



UNIVERSITY OF CENTRAL FLORIDA

UCF Stands For Opportunity

2008-2009 Undergraduate Catalog

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The UCF Creed

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

Integrity

I will practice and defend academic and personal honesty.

Scholarship

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

Community

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

Creativity

I will use my talents to enrich the human experience.

Excellence

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



UNIVERSITY OF CENTRAL FLORIDA

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

UCF Stands For Opportunity



Office of the President

Welcome to the University of Central Florida – the university that stands for opportunity!

I hope you share my excitement about what the academic year promises. How well it turns out for you will depend primarily on the effort you invest in your own intellectual and professional development. Invest wisely, and be assured that UCF faculty and staff pledge their best efforts in helping you attain your educational goals.

As you pursue your studies, please remember that a college education is not totally academic. It extends beyond the classroom, laboratory, or studio to campus clubs and organizations, concerts, plays, speeches, and athletic events. I hope that you will become involved in UCF campus life and that you will also make some commitment to serving your community. Besides being a force for campus and community improvement, the effort can be educationally rich and personally fulfilling.

Finally, I hope that you will take pride in your university. Like the Pegasus, our symbol, UCF is on the ascent, truly standing for opportunity. In over forty years of service, we have risen from promise to prominence: our students excel in national competitions and organizations; members of our faculty are known internationally for their research and teaching; a number of our men's and women's athletic teams are conference champions; and our football team competes in Division I-A. We have much to be proud of.

You have my best wishes for success and my assurance that UCF faculty and staff are committed to helping you complete your degree so that you can join a proud group of over 156,000 alumni.

Cordially yours,

A handwritten signature in black ink that reads "John C. Hitt".

John C. Hitt
President

An Equal Opportunity and Affirmative Action Institution



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 Chair, English . . . Dawn Trouard
 Director, School of Film and Digital Media . . . Stephen Schlow
 Interim Chair, History . . . Rosalind Beiler
 Chair, Modern Languages and Literatures . . . Paolo Giordano
 Chair, Music . . . Johnny L. Pherigo
 Chair, Philosophy . . . Shaun Gallagher
 Interim Chair, Theatre . . . Steven Chicurel
 Director, Academic Programs . . . Lynn Hepner

College of Business Administration

Dean . . . Thomas L. Keon
 Associate Dean, Graduate and External Programs . . . Jaishankar Ganesh
 Associate Dean, Graduate Programs Student Placement
 and Accreditation . . . Djehane E. Hosni
 Associate Dean, Undergraduate Programs . . . Taylor Ellis
 Chair, Dr. Phillips Institute . . . David F. Scott
 Director, Kenneth G. Dixon School of Accounting . . . Robin W. Roberts
 Chair, Economics . . . Wally Milon
 Chair, Finance . . . Anthony K. Byrd
 Chair, Management . . . Foard F. Jones
 Chair, Management Information Systems . . . Paul H. Cheney
 Chair, Marketing . . . Ronald E. Michaels
 Endowed Chair and Director, Sports Management . . . Richard Lapchick
 Director, Administration and Budget . . . Hubert Jacques
 Director, Business Undergrad Programs & Student Support . . . Randall Brumfield
 Director, Executive Development Center . . . Michael Sheahan
 Director, Human Resources . . . Ann Roberts

College of Education

Dean . . . Sandra L. Robinson
 Executive Associate Dean for Academic Affairs . . . Jennifer C. Platt
 Associate Dean, Graduate Studies . . . B. Grant Hayes
 Associate Dean, Research . . . Rex Culp
 Chair, Child, Family and Community Sciences . . . Anne Culp
 Chair, Educational Research, Technology and Leadership . . . Conrad G. Katzenmeyer
 Chair, Educational Studies . . . Karen L. Biraimah
 Chair, Teaching and Learning Principles . . . Robert Williams
 Executive Director for Administration . . . Allison G. Jefferson
 Executive Director of Student Affairs . . . Tina M. Smilie
 Director, Assessment, Accreditation, and Data Management . . . Lance Tomei
 Director, Clinical Experiences . . . Carolyn Walker-Hopp
 Director, Community and College Relations . . . Richard Sloane
 Director, Development . . . Anthony C. Thompson
 Director, Student Services . . . Andrea Withington

College of Engineering and Computer Science

Dean . . . Neal C. Gallagher
 Associate Dean, Academic Affairs . . . Jamal F. Nayfeh
 Associate Dean, Research . . . Debra Reinhart
 Assistant Dean, Technology . . . Samuel M. Richie
 Director, Academic Support Services . . . Melissa D. Falls
 Director, Development . . . Wayne Weinberg
 Director, Electrical Engineering and Computer Science . . . Issa Batarseh
 Director, Minority Engineering and
 Computer Science Program . . . Bruce Furino
 Chair, Civil, Environmental and Construction Engineering . . . Lakshmi N. Reddi
 Chair, Engineering Technology . . . Ronald Eaglin
 Chair, Industrial Engineering and
 Management Systems . . . Waldemar Karwowski
 Chair, Mechanical, Materials and Aerospace Engineering . . . Ranganathan Kumar
 Chair, Air Force ROTC . . . Col. William G. Palmby
 Chair, Army ROTC . . . LTC Bryce Christensen

College of Health and Public Affairs

Dean . . . Michael Frumkin
 Associate Dean, Graduate Studies and Technology . . . Stephen Holmes
 Associate Dean, Research . . . Thomas Wan
 Associate Dean, Student Affairs/Personnel . . . Melvin Rogers
 Associate Dean, Undergraduate Studies . . . Pamela E. Kirby
 Executive Director, Undergraduate Student Services . . . Judith A. Sindlinger
 Chair, Communication Sciences and Disorders . . . R. Jane Lieberman
 Chair, Criminal Justice and Legal Studies . . . Robert Langworthy
 Chair, Health Professions . . . Diane Jacobs
 Chair, Health Management and Informatics . . . Aaron Liberman
 Chair, Public Administration . . . Mary Ann Feldheim
 Director, School of Social Work . . . John Ronna

College of Medicine

Dean . . . Deborah German
 Assistant Vice President, Development . . . Chip Roberts
 Associate Dean, Faculty and Academic Affairs . . . Richard Pepler
 Associate Dean, Finance and Administration . . . Steven Sumner
 Associate Dean, Planning and Knowledge Management . . . Julia Pet-Armacost
 Assistant Dean, Graduate Medical Education . . . Diane Davey
 Assistant Dean, Undergraduate Medical Education . . . Lynn Crespo

Burnett School of Biomedical Sciences

Director and Chair, Molecular Biology and Microbiology . . . P. E. Kolattukudy
 Associate Director . . . Roseann White
 Associate Director . . . Robert Gennaro
 Director, Biotechnology program . . . Henry Daniell
 Director, Medical Laboratory Sciences program . . . Dorilyn Hitchcock

College of Nursing

Dean . . . Jean Leuner
 Associate Dean . . . Linda Henning
 Associate Dean . . . Jean Kijek

College of Optics and Photonics

Dean and Director . . . Eric W. Van Stryland
 Director, Research and Administration . . . James E. Pearson

Rosen College of Hospitality Management

Dean . . . Abraham Pizam
 Associate Dean . . . Stephen LeBruto
 Interim Chair, Hospitality Services . . . Fevzi Okumus
 Chair, Tourism, Events & Attractions . . . Deborah Breiter
 Chair, Foodservice & Lodging Management . . . H.G. Parsa

College of Sciences

Dean . . . Peter Panousis
 Associate Dean . . . Michael Johnson
 Associate Dean . . . Jack M. McGuire
 Associate Dean . . . Haven C. Sweet
 Interim Chair, Anthropology . . . Arlen Chase
 Interim Chair, Biology . . . C. Ross Hinkle
 Chair, Chemistry . . . Kevin D. Belfield
 Interim Chair, Mathematics . . . Piotr Mikusinski
 Chair, Physics . . . Talat Rahman
 Chair, Political Science . . . Roger B. Handberg
 Chair, Psychology . . . Robert Dipboye
 Chair, Sociology . . . Harold Corzine
 Interim Chair, Statistics & Actuarial Sciences . . . David M. Nickerson
 Director, Nicholson School of Communication . . . Mary Alice Shaver

SUMMER 2008 ACADEMIC CALENDAR

| Summer 2008 | Session A | Session B | Session C | Session D |
|---|---|---------------------------------|-------------------|-------------------|
| | 6 Weeks | 6 Weeks | 12 Weeks | 9 Weeks |
| Application deadline for all New Undergraduate | | | | |
| Freshmen Applicants and Transfers | March 1 | March 1 | March 1 | March 1 |
| Application deadlines for readmission | April 15 | April 15 | April 15 | April 15 |
| Registration and Add/Drop | Mar. 24 - May 11 | Mar. 24 - June 22 | Mar. 24 - May 11 | Mar. 24 - May 11 |
| Graduation Application | | | | |
| (online Intent to Graduate on myUCF) | Mar. 5 - April 21 | Mar. 5 - April 21 | Mar. 5 - April 21 | Mar. 5 - April 21 |
| Registration for UCF Employees, State Employees, Non-degree, Transients and Audits | | | | |
| (begins 3:00 p.m.) | May 9 | June 20 | May 9 | May 9 |
| Registration for Senior Citizen Audits, and STEP | | | | |
| (begins 3:30 p.m.) | May 9 | June 20 | May 9 | May 9 |
| On-campus Housing open (1:00 p.m.) | May 11 | June 21 (11:00 a.m.) | May 11 | May 11 |
| Classes begin | May 12 | June 23 | May 12 | May 12 |
| Late Registration ² and Add/Drop ¹ | May 12-16 | June 23-27 | May 12-16 | May 12-16 |
| Last day for full refund | May 16 | June 27 | May 16 | May 16 |
| Grade Forgiveness deadline | May 16 | June 27 | May 16 | May 16 |
| Payment Deadline ² | May 23, 2008 - Students registering from 3/24/08 through 5/16/08 July 3, 2008 - Students registering for Summer B only 5/17/08 through 6/27/08 | | | |
| CLAST test (register by May 9) | June 7 | | | |
| Withdrawal deadline | May 30 | July 11 | June 20 | June 13 |
| VA deferral payment deadline ² | July 25 | July 25 | July 25 | July 25 |
| Classes end; last day to remove incomplete ³ | June 20 | August 1 | August 1 | July 11 |
| Final Examination Period | | Given during last class meeting | | |
| On-campus Housing close (noon) | June 21 | August 2 | August 2 | N/A |
| Grades due in Registrar's Office | June 25 | August 6 | August 6 | July 16 |
| Grades Available on myUCF (begins 9:00 a.m.) | June 26 | August 8 | August 8 | July 17 |
| Commencement | August 2 | August 2 | August 2 | August 2 |

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

All 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 (12424 Research Parkway, Suite 169) at 407-823-6479.

¹ Ends at 5:00 p.m. on last day.

² \$100 Late Registration Fee applies to students who enroll following the close of Add/Drop or who enroll for the first time that term during Late Registration and Add/Drop.

\$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

Memorial Day Holiday May 26, 2008

Independence Day Holiday July 4, 2008

2008 - 2009 FALL/SPRING ACADEMIC CALENDAR

| | Fall 2008 | Spring 2009 |
|--|----------------------|--|
| Application deadline for Graduate International students | Jan. 15 | July 1, 2008 |
| Application deadline for Undergraduate International students | March 1 | Sept. 1, 2008 |
| Application deadline for all New Undergraduate Freshmen Applicants | May 1 | Nov. 1, 2008 |
| Application deadline for New Undergraduate Transfers | July 1 | Nov. 1, 2008 |
| Application deadline for readmission | July 1 | Oct. 31, 2008 |
| Graduation Application (online Intent to Graduate on myUCF) | June 23 - Aug. 1 | Oct. 20 - Dec. 5 |
| Enrollment Appointments available on myUCF | Mar. 3 | Oct. 13, 2008 |
| Registration and Add/Drop | Mar. 24 - Aug. 24 | Mar. 24 - Jan. 6, 2009 and Oct. 27 - Jan. 6, 2009 |
| On-campus Housing open | Aug. 21 (11:00 a.m.) | Jan. 5 (1:00 p.m.) |
| Registration time for State Employees,UCF Employees, Non-degree, Transients and Audits (begins 3:00 p.m.) | Aug. 22 | Jan. 6 |
| Registration for Senior Citizen Audits, and STEP (begins 3:30 p.m.) | Aug. 22 | Jan. 6 |
| Classes begin | Aug. 25 | Jan. 7 |
| Late Registration ² and Add/Drop | Aug. 25-29 | Jan. 7-13 |
| Last day for full refund | Aug. 29 | Jan. 13 |
| Grade Forgiveness deadline ¹ | Aug. 29 | Jan. 13 |
| Payment deadline ² | Sept. 5 | Jan. 16 |
| CLAST test (register by Sept. 5-Fall / Jan. 23-Spring) | Oct. 4 | Feb. 21 |
| Withdrawal deadline | Oct. 17 | Mar. 6 |
| VA deferral payment deadline ² | Nov. 21 | Apr. 3 |
| Classes end; last day to remove incomplete ³ | Dec. 6 | Apr. 27 |
| Final Examination Period | Dec. 8-13 | Apr. 28-May 4 |
| On-campus Housing close (noon) | Dec. 14 | May 5 |
| Commencement | Dec. 15-16 | May 7-9 |
| Grades Due in Registrar's Office (noon) | Dec. 17 | May 7 |
| Grades Available on myUCF (begins 9:00 a.m.) | Dec. 19 | May 9 |

NOTE: Dates are subject to change. Consult the *Web Enrollment Guide* and online Academic Calendar (<http://www.registrar.sdes.ucf.edu/calendar>) for information.
All 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 (12424 Research Parkway, Suite 169) at 407-823-6479.

¹ Ends at 5:00 p.m. on last day.

² \$100 Late Registration Fee applies to students who enroll following the close of Add/Drop or who enroll for the first time that term during Late Registration and Add/Drop.

³ \$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."

University Holidays and Special Events

| | |
|--|------------------|
| Labor Day Holiday | Sept. 1, 2008 |
| Homecoming Week (classes still held) | Nov. 1-9, 2008 |
| Veteran's Day Holiday | Nov. 11, 2008 |
| Thanksgiving Holiday | Nov. 27-29, 2008 |
| Martin Luther King Jr. Holiday | Jan. 19, 2009 |
| Spring Break | March 9-14, 2009 |
| Founders Day Honors Convocation (classes still held) | April 1, 2009 |

Administrative Procedures Act Policy Statement

The University of Central Florida, under applicable rules of the Administrative Procedures Act, may change any of the announcements, information, policies, rules, regulations, or procedures set forth in this *Undergraduate Catalog*. The *Undergraduate Catalog* is published once a year and cannot always reflect new and modified regulations. Statements in this *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 this *Undergraduate Catalog*. Additional information or clarification of any policy or procedure may be obtained from the specified office.

Non-Discrimination Policy (including sexual harassment)

The University of Central Florida values diversity in the campus community. Accordingly, discrimination on the basis of race, sex, national origin, religion, age, disability, marital status, parental status, or veteran's status is prohibited.

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

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

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-1EEO. Policies and guidelines are available online at <http://www.eeo.ucf.edu/>.

Drug-Free Workplace/Drug-Free Schools Policy Statement

Standards of conduct and disciplinary sanctions will be imposed for the unlawful possession, misuse or distribution of illicit drugs and alcohol by UCF students and employees on UCF property or as part of any of its activities. The unlawful manufacture, distribution, dispensation, 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.

Guidelines

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

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

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

Student organizations may develop more stringent regulations regarding alcohol use.

Locations

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

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

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

Approval Procedures: Student Groups

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

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

Approval Procedures: Non-Student Groups

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

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

Academic Behavior Standards

The University of Central Florida is committed to a policy of honesty in academic affairs. Conduct that comprises a breach of this policy may result in academic action and/or disciplinary action. Academic action affects student assignments, examinations or grades. Disciplinary action affects student enrollment status. Examples of conduct for which students may be subject to academic and/or disciplinary penalties including expulsion are:

- Cheating, whereby non-permissible written, visual, electronic or oral assistance including that obtained from another student is utilized on examinations, course assignments, or projects. The unauthorized possession or use of examination or course related material shall also constitute cheating.
- Plagiarism, whereby another's work is used or appropriated without any indication of the source, thereby attempting to convey the impression that such work is the student's own. Any student failing to properly credit ideas or materials taken from another has plagiarized.
- Unauthorized assistance: communication to another through written, visual, or oral means. The presentation of material which has not been studied or learned, but rather was obtained solely through

someone else's efforts and used as part of an examination, course assignment or project. The unauthorized possession or use of examination or course related material may also constitute cheating.

- **Commercial Use of Academic Material:** Selling notes, handouts, etc. without authorization or using them for any commercial purpose without the express written permission of the University and the Instructor is a violation of this rule.

Note: A student who has assisted another in any of the aforementioned breach of standards shall be considered equally culpable. In cases of cheating or plagiarism, the instructor may 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 Use of Technology

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

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

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

Students wishing to acquire a personal computer are strongly advised to consider a laptop equipped with a wireless network adaptor. Recommended configurations can be found on the University's Web site at http://www.cstore.ucf.edu/info.php?name=PC_Standards.

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

To communicate in a more expedient manner, UCF uses e-mail as the primary means of notifying students of important university business and information dealing with registration, deadlines, financial assistance, scholarships, tuition and fees, etc.

To avoid missing important communications from the University, students must ensure that the University has an up-to-date primary and emergency e-mail address, as well as both permanent and mailing (local) addresses.

It is critical that students maintain and regularly check their primary and emergency e-mail account for official announcements and notifications. Communications sent to an address on record will be deemed adequate notice. The University does not accept responsibility if official communication is rejected or fails to reach a student who has not notified the University of a change of preferred e-mail or postal mailing address.

Please ensure that your primary and emergency e-mail address, as well as your permanent and mailing (local) addresses and telephone number, are current with the University at all times.

Students can update their contact information online through the myUCF portal at <https://my.ucf.edu/>.

Complaint Policy

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

In most cases, the recommended strategy for complaints of any nature is to ask the concerned individual to first contact the person or office

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

Accreditation

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

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

| College/Discipline | Accrediting Body |
|--|---|
| Arts and Humanities Music, Music Education | National Association of Schools of Music (NASM) |
| Business Administration (all disciplines) | The Association to Advance Collegiate Schools of Business (AACSB) |
| Education (all disciplines) | State Accreditation - Florida Department of Education; National Council for Accreditation of Teacher Education (NCATE) |
| Engineering and Computer Science Aerospace, Civil, Computer, Electrical, Environmental, Industrial, and Mechanical Eng Computer Science | Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET) Computing Accreditation Commission (CAC) of ABET |
| Engineering Technology (Electrical Engineering Technology and Engineering Technology) | Technology Accreditation Commission (TAC) of the Accreditation Board for Engineering and Technology (ABET) |
| Health and Public Affairs Athletic Training | Committee 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 (JRCERT) |
| Social Work | Council on Social Work Education (CSWE) |
| Hospitality Management Hospitality Management | Accreditation Commission for Programs in Hospitality Administration |
| College of Medicine - Burnett School of Biomedical Sciences Medical Laboratory Sciences | National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) |
| Nursing Nursing | Commission on Collegiate Nursing Education (CCNE), Florida Board of Nursing |
| Sciences Chemistry | American Chemical Society (ACS) Committee On Professional Training |

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

The University

The University of Central Florida is one of the most dynamic universities in the country. Offering 223 degree programs, it has become an academic and research leader in numerous fields, such as optics, modeling and simulation, engineering and computer science, business administration, education, the sciences, hospitality management and digital media.

UCF's 1,415-acre main campus provides modern facilities, most of which have wireless abilities, with 600 acres set aside for lakes, woods and an arboretum. UCF now has 11 colleges, including the newly established College of Medicine, the College of Nursing, the Rosen College of Hospitality Management and the Burnett Honors College. More than 48,000 students attend classes on UCF's main campus and its 11 regional campuses located throughout Central Florida. UCF recently granted its 171,659th degree in its 39th year of offering classes.

The incoming freshmen class for the academic year 2007-08 of 4,032 students continues UCF's rise in academics with an average SAT score of 1217 and a high school grade-point average of 3.73. The Burnett Honors College incoming class has an average SAT score of 1361 and a grade-point average of 4.1.

The UCF Libraries offer more than 1.9 million volumes, 17,038 periodical subscriptions and 10,515 electronic journals, most of which are available online.

UCF has an 85,000-square-foot Recreation and Wellness Center complete with a three-story climbing wall, an indoor track and fitness equipment. The Student Union has computer labs, study lounges, ballrooms and meeting rooms, popular eating establishments and a small shopping mall. A new Health Center is a full-service health clinic with on-site professionals, X-ray capabilities, a pharmacy, a medical laboratory and physical therapy services. The 10,000-seat UCF Arena and a 45,000-seat on-campus football stadium were opened in Fall 2007. Housing includes on-campus residence halls and affiliated apartments for more than 10,000 students.

UCF promotes a diverse and inclusive environment. UCF students come from 64 Florida counties, 50 states, and 141 countries. Study abroad programs allow UCF students to study and conduct research with 98 institutions in 36 countries.

In 2006-07, UCF professors received \$121.4 million in research funding, topping \$100 million for the third consecutive year. Research contracts and grants come from esteemed institutions. Undergraduate Research offers seven different research programs, including paid research positions for undergraduates and graduate students.

Online@UCF, The Virtual Campus

<http://online.ucf.edu>

The UCF Virtual Campus provides opportunities for students to enroll in credit courses and select degree and certificate programs delivered over the Internet. The instructional design of these courses maintains a high-quality learning environment for nontraditional and campus-based students. The course materials and methods were developed by UCF faculty to maximize the learner's achievement of course and program objectives.

Online courses are identified in the online Class Schedule Search (<https://my.ucf.edu>). Select the Advanced Search dialog and use the drop-down list next to the Mode of Instruction to search for the descriptive value of "World Wide Web (W)." Complete listings of all fully and partially Web-based classes from the class schedule are also excerpted and available on the Virtual Campus Web site at <http://online.ucf.edu>. Web-related instruction modes are:

MIXED-MODE/REDUCED SEAT TIME (M): These courses include electronic media-based instruction that substitutes for some classroom time (reduced seat time).

WORLD WIDE WEB (W): These courses are delivered entirely over the Internet. They may require proctored examinations and may include opportunities for face-to-face orientations, but there will be no class attendance requirements.

These types of courses will require access to the Internet, Web-browsing knowledge, ability to use email, and basic computer skills such as word processing. Students can also expect to encounter similar Internet requirements in any course offered by UCF, regardless of the specified instruction mode. For information about degree and certificate programs available online, visit <http://online.ucf.edu>, or write to online@ucf.edu.

Center for Distributed Learning

3100 Technology Parkway, Suite 234
Orlando, 32826

Director: Randall Upchurch;
407-823-4910; rupchurc@mail.ucf.edu

UCF's virtual campus is supported and facilitated by the Center for Distributed Learning. 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 a clearinghouse for processes and resources, providing planning and marketing support for off-campus and distributed learning credit programs. The Center also coordinates the University's standards and accreditation changes resulting from Web-based instruction. For information about degree and certificate programs available online, visit <http://online.ucf.edu>, or write to online@ucf.edu.

Regional Campuses

<http://www.regionalcampuses.ucf.edu>

The University of Central Florida also 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 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 20 Bachelor's programs, 19 minors, 11 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, and UCF South Lake. 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 Community 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 Web site at <http://www.regionalcampuses.ucf.edu>.

Administration

UCF Regional Campuses Administration

12201 Research Parkway, Suite 101
Orlando, 32626; 407-823-4547

| | |
|--|------------------|
| <i>Vice Provost, UCF Regional Campuses</i> | David Harrison |
| <i>Senior Administrative Assistant</i> | Dania Suarez |
| <i>Assistant Vice President, Executive Director,</i> <i>Academic Initiatives</i> | Bernard Jensen |
| <i>Assistant Director, Academic Initiatives</i> | Cyndi Thomas |
| <i>Facilities Scheduler</i> | Denise Devlin |
| <i>Coordinator, Statistical Research</i> | Jeanne Walker |
| <i>Assistant Vice President, Student Services</i> | A.J. Range |
| <i>Administrative Assistant</i> | Gloria Jimenez |
| <i>Assistant Vice President, Regional Campus Transfer</i> <i>Admission & Enrollment/Marketing</i> | Angé Peterson |
| <i>Associate Director, RC Enrollment Services</i> | Deborah Bradford |
| <i>Marketing Account Executive</i> | Michelle Fuentes |
| <i>Coordinator, Web Administrator</i> | Tony Recascino |
| <i>Coordinator, Computer Technology</i> | Kirk Henry |
| <i>Senior Broadcast Technologist</i> | Calston Llwellyn |

Director, Academic AdvisingHelen Hill
 Director, Business AffairsDavid Laney
 Administrative AssistantJeanette Holder
 Associate Director, Academic Support ServicesJoe Schofield
 Coordinator, Administrative ServicesThomas Drake
 Associate Director, Head of Partnership,
 Library ServicesCynthia Kisby
 Senior Art SpecialistMary Lou Wade

Central Region

UCF West Orlando, UCF South Orlando, UCF Osceola

Director, Academic Support ServicesEdgar Martinez
 Coordinator, Enrollment ServicesNalini Allesandri
 Coordinator, Academic Support ServicesCarolyn Obexer
 Coordinator, Academic Support ServicesRebecca Morales

Eastern Region

UCF Daytona

Assistant Vice President and Director,
 Daytona Beach CampusLinda Bradley
 Associate Director, Academic Support ServicesTena Harris
 Director, Regional Campus Student ServicesDiana Weidman
 Assistant Director, Enrollment ServicesRaphel Robinson
 Senior Admissions/Registrar OfficerSheri Newble-Dunn
 Coordinator, Financial AidHeidi Shaw
 Coordinator, Academic Support ServicesTina Davis
 Coordinator, Academic Support ServicesDarryl Greeley
 Coordinator, Academic Support ServicesKevin Snyder
 Coordinator, Computer TechnologyJason Mayer

UCF Sanford/Lake Mary, UCF Heathrow, UCF Altamonte

Associate VP and Director, UCF Sanford/Lake Mary,
 UCF Heathrow, and UCF Altamonte SpringsDavid Mealar
 Associate Director, Academic Support ServicesSean Armstrong
 Coordinator, Enrollment ServicesPamela Williams
 Coordinator, Academic Support ServicesTBA
 Coordinator, Academic Support ServicesMichelle Camden
 Computer SpecialistRussell Crudgington

Southern Region

UCF Cocoa, UCF Palm Bay

Associate VP Academic Affairs
 and Interim Campus Director, Cocoa/Palm BayDenise Young
 Director, Academic Support ServicesLauren Miller
 Director, Regional Campus Student ServicesTerry Exum
 Coordinator, Regional Campus Student Services James C. Smith, Jr.
 Assistant Director, Enrollment ServicesTBA
 Assistant Director, Academic Support ServicesMarilyn Borges
 Coordinator, Academic Support ServicesNick Pantioni
 Coordinator, Academic Support ServicesAngel Edgecombe
 Coordinator, Academic Support ServicesAngela Jones
 Coordinator, Academic Support ServicesPatty O'Neal
 Coordinator, Academic Support ServicesShakira Guice
 Coordinator, Academic Support ServicesJohn King
 Coordinator, Academic Support ServicesSheryl Schagen
 Coordinator, Computer TechnologySue Sorenson

Western Region

UCF South Lake, UCF Ocala, UCF Leesburg

Assistant Vice President, Academic AffairsCecelia Rivers
 Associate Director, Academic Support ServicesTanya Armstrong
 Director, Regional Campus Student ServicesPamela Brady
 Assistant Director, Regional Campus
 Enrollment ServicesChristy Pasnisin
 Coordinator, Regional Campus Enrollment Services Kecia Osbourne
 Coordinator, Regional Campus Enrollment Services
 (Financial Aid)Shellie Thomas-Small
 Coordinator, Academic Support ServicesSelena Forrester
 Coordinator, Academic Support ServicesRebecca McCarson
 Coordinator, Academic Support ServicesRobin Tinsley
 Coordinator, Academic Support ServicesBethany Larson
 Coordinator, Academic Support ServicesScott Larson
 Coordinator, Computer TechnologyMei Wong

UCF Cocoa

321-433-7821

(In partnership with Brevard Community College)

Undergraduate Degree Programs

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

Aerospace Engineering (3rd year B.S.A.E.) College of Engineering
 and Computer Science
 Business Administration (B.A.) College of Business Administration
 Communication Sciences and Disorders (B.A., B.S.) College of
 Health and Public Affairs
 Criminal Justice (B.A., B.S.) College of Health and Public Affairs
 Elementary Education (B.S.) College of Education
 Engineering Technology: Operations (B.S.E.T.) College of
 Engineering and Computer Science
 Exceptional Student Education (B.S.) College of Education
 History (B.A.) College of Arts and Humanities
 Interpersonal/Organizational Communication (B.A.) College of
 Sciences
 Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies
 Legal Studies (B.A., B.S.) College of Health and Public Affairs
 Mathematics Education (B.S.) College of Education
 Nursing (B.S.N., R.N. to B.S.N.) College of Nursing
 Political Science (B.A.) College of Sciences
 Psychology (B.S.) College of Sciences
 Sociology (B.A.) College of Sciences
 Social Science (B.S.) College of Sciences
 Social Science Education (B.S.) College of Education

Undergraduate Minors

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

Graduate Degree Programs

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

UCF Daytona Beach

386-506-4021

(In partnership with Daytona Beach College)

Undergraduate Degree Programs

Applied Science (B.A.S.) Office of Undergraduate Studies
 Tracks: Early Childhood Education, Criminal Justice, Health
 Services Administration, Industrial Operations, Information
 Technology, Legal Studies, and Supervision and Administration
 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
 Mathematics Education (B.S.) College of Education
 Nursing (B.S.N., R.N. to B.S.N.) College of Nursing
 Photography (B.S.) College of Arts and Humanities
 Political Science (B.A.) College of Sciences
 Psychology (B.S.) College of Sciences
 Social Science Education (B.S.) College of Education

University of Central Florida/Campuses

Social Sciences (B.S.) *College of Sciences*
 Sociology (B.A.) *College of Sciences*
 Technical Education and Industry Training (B.S.) *College of Education*

Undergraduate Minors

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

Graduate Degree Programs

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

UCF Heathrow

407-531-5450

(In partnership with Seminole County Community College)

Graduate Degree Programs

Industrial and Organizational Psychology (M.S.) *College of Sciences* (Cohort)

Reading Education (M.Ed.) *College of Education* (Cohort)

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

UCF Leesburg

352-536-2113

(In partnership with Lake Sumter Community College)

Undergraduate Degree Programs

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

Undergraduate Minors

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

UCF Ocala

352-854-2322, ext. 1818

(In partnership with Central Florida Community College)

Undergraduate Degree Programs

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

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

Elementary Education (B.S.) *College of Education* (Cohort)

Interdisciplinary Studies (B.A., B.S.) *Office of Interdisciplinary Studies* (limited in scope, see an advisor for details)

Mathematics Education (B.S.) *College of Education*

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

Psychology (B.S.) *College of Sciences*

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

Undergraduate Minors

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

UCF Osceola

407-856-6585

(In partnership with Valencia Community College)

Undergraduate Degree Programs

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

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

Elementary Education (B.S.) *College of Education*

Interdisciplinary Studies (B.A., B.S.) *Office of Interdisciplinary Studies* (limited in scope, see an advisor for details)

Mathematics Education (B.S.) *College of Education*

Psychology (B.S.) *College of Sciences*

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

Undergraduate Minors

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

UCF Palm Bay

321-433-7995

(In partnership with Brevard Community College)

Undergraduate Degree Programs

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

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

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

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

Mathematics Education (B.S.) *College of Education*

Psychology (B.S.) *College of Sciences*

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

Undergraduate Minors

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

UCF Sanford/Lake Mary

407-328-2471

(In partnership with Seminole Community College)

Undergraduate Degree Programs

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

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

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

Criminal Justice (B.A., B.S.) *College of Health & Public Affairs*
 Early Childhood Education (B.S.) *College of Education*
 Elementary Education (B.S.) *College of Education*
 Interdisciplinary Studies (B.A., B.S.) *Office of Interdisciplinary Studies*
 Legal Studies (B.A., B.S.) *College of Health and Public Affairs*
 Mathematics Education (B.S.) *College of Education*
 Nursing (R.N. to B.S.N.) *College of Nursing (concurrent with SCC A.S.N.)*
 Psychology (B.S.) *College of Sciences*
 Social Science Education (B.S.) *College of Education*
 Social Sciences (B.S.) *College of Sciences*

Undergraduate Minors

Business (For non-business majors only)
 Criminal Justice
 English - Writing
 Health Services Administration
 History
 Interpersonal Communication
 Legal Studies
 Organizational Communication
 Political Science
 Psychology
 Social Sciences - Interdisciplinary
 Sociology

UCF South Lake

352-536-2113

(In partnership with Lake Sumter Community College)

Undergraduate Degree Programs

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

Undergraduate Minors

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

UCF South Orlando

407-856-6585

7300 Lake Ellenor Drive, Orlando, FL 32809

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

UCF West Orlando

407-582-5500

(In partnership with Valencia Community College)

Undergraduate Degree Programs

Applied Science (B.A.S.) *Office of Undergraduate Studies*
 Tracks: Criminal Justice, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration
 Business Administration (B.A.) *College of Business Administration*
 Electrical Engineering (third year) (B.S.E.E.) *College of Engineering and Computer Science*
 Interdisciplinary Studies (B.A., B.S.) *Office of Interdisciplinary Studies (limited in scope, see an advisor)*
 Psychology (B.S.) *College of Sciences*

Graduate Degree Programs

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

Undergraduate Minors

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

General Regional Campus information:

Website: <http://www.regionalcampuses.ucf.edu>

Programs are offered via multiple delivery methods: web, video-streaming, face-to-face, and ITV. Delivery methods vary by location.

Bachelor of Applied Science: A degree option for transfers with an Associate of Science degree. Availability of tracks varies by location.

Central Florida Research Park

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

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

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

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

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

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 international-

University of Central Florida/Campuses

ly recognized scholar in laser and optical sciences. *Chair:* George I. A. Stegeman.

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 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.

Lockheed Martin Academy in Math and Science Education: Created in 1992 to stress content enhancement and problem solving approaches in the teaching of science and mathematics. *Chair:* Lisa A. Dieker.

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

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

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

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

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. *Interim Chair:* Edward H. Robinson, III.

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

Orange County Eminent Scholar: 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 services for 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.

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

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 Chair in Real Estate: Created in 2005, as a key component of the Philips School of Real Estate. *Chair:* TBA.

University Ombuds Office

Ombuds Officer: Vicky Brown; MH 243; 407-823-6440

The Office of the Ombuds Officer provides members of the University community assistance and advice regarding concerns related to the University. These services are available to every member of the University community: students, staff, faculty, and others.

Any type of concern may be brought to the attention of this office: academic, financial, housing, consumer, work-related, or personal. The University Ombuds Officer is a neutral facilitator, and will listen to concerns, help individuals explore options, offer suggestion and advice, and assist in the resolution of the concern. Referral and direction to appropriate individuals and offices, and clarification of University policies and procedures are services of the office. All proceedings in individual cases will be held confidential by the Ombuds Officer unless otherwise authorized by the complainant, or otherwise required by applicable law, including without limitation, Chapter 119, Florida Statutes. The University Ombuds Office is located in Millican Hall, Suite 243, room 247. Appointments may be made by calling 407-823-6440.

Office of Undergraduate Studies

Dean: Alison Morrison-Shettlar; MH 218; 407-823-2373

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 programs such as the Bachelor of Applied Sciences are part of this office as is the Office of Academic Services. Also reporting to the Dean of Undergraduate studies are the Office of Experiential Learning, the Faculty Center for Teaching and Learning, The Bridges Office and the Office of Undergraduate Research, The Dean serves as the final appeal for all undergraduate academic appeals.

Academic Services

Associate Dean: Elliot Vitte; MH 210; 407-823-2691

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

International Services Center

Director: Nataly Chandia; CMMS (Building #81); 407-823-2337

The International Services Center (ISC), a unit of the Division of Graduate Studies, offers assistance and information to the University of Central Florida international community. The ISC provides leadership, advocacy and support services for current international students, scholars, and employees at the University of Central Florida, as well as assistance in adjusting to a new academic environment and culture. Furthermore, ISC has and will devote its efforts, plans and processes to ensure legal compliance with federal regulations, so international populations can maintain their status. Services provided by ISC include issuing necessary documents to facilitate visa issuance abroad for international student applicants, transfer procedures, employment authorization for students and scholars, H1B visa holders' immigration advice by professional lawyers, and international taxation assistance. The ISC is committed to providing accurate, updated and timely information on issues and needs pertinent to international students, scholars, and employees. Another important role of the Center is to enhance international awareness and cross cultural understanding through educational, cultural and social programs and activities.

UCF Public Safety and Police

Chief: Richard Beary; Building #49, Libra Drive; 407-823-5242

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

The Communications Center (407-823-5555) provides a mechanism for persons to receive assistance in the event of an immediate threat, danger, injury, fire, or criminal occurrence by calling 9-1-1. University Police are part of the county-wide "Enhanced 9-1-1" system and automatically receive calls related to campus. The system ensures that the correct emergency responder - police, medical or fire - is directed to the right place in the shortest amount of time. Since telephone numbers appear on the police computer screen, callers who are either too young or too incapacitated to give their number or location can still

receive emergency assistance. Communications Operators are on duty 24 hours a day. Blue light emergency phones are located at various locations on campus to allow persons in need of assistance to contact the Police Department. All Blue Light Emergency phones dial into the Communications Center to ensure a swift response if needed.

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

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

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

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

The University Police Department publishes an annual brochure entitled "Annual Report & Safety Guide." The Annual Report & Safety Guide presents an overview of all police services and offers crime prevention safety tips and campus crime statistics in compliance with the Federal Crime Awareness and Security Act of 1990. A copy of the Annual Report & Safety Guide is available at the Undergraduate Admissions Office, Human Resources Office, John T. Washington Center Police Office, Welcome Center, Housing Office and the University Police Department. For further information visit the University Police website at <http://www.police.ucf.edu>.

Information Technologies and Resources

Vice Provost: Joel L. Hartman; MH 350; 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. Units within the Division include the Library, Computer Services, Telecommunications Services, Instructional Resources, Course Development and Web Services, the Research Initiative for Teaching Effectiveness, 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; 407-823-2564

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

Associate Director for Collections and Technical Services: Jeannette A. Ward; LIB 502; 407-823-2575

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

Librarians: Barbara J. Alderman, Michael A. Arthur, Buenaventura B. Basco, Penny M. Beile, Corrine J. Bishop, Timothy J. Bottorff, Mary Dee Bozeman, Lyn S. Case, Linda K. Colding, Eda M. Correa, Denise Lee Dotson, Douglas D. Dunlap, John R. "Rich" Gause, Jr., Melinda A. Gottesman, Richard H. Harrison, Carole S. Hinshaw, Athena R. Hoepfner, Aysegul Kapucu, Elizabeth K. Killingsworth, Marcus D. Kilman, Cynthia M. Kisby, M. Jason Martin, Hal D. Mendelsohn, Kimberly K. Montgomery, Renee C. Montgomery, Jeanne M. Piascik, Meredith C. Semones, Kristine J. Shrauger, Marilyn R. Snow, Peter Spyers-Duran II, Catherine L. Steffens, Terrie K. Sypolt, Andrew D. Todd, Min Tong, John T. Venecek, Rachel G. Viggiano, Jack L. Webb, Ying Zhang.

University Libraries offers a variety of information resources and services. An extensive resource collection includes 1.8 million volumes, 17,000 journal subscriptions, 3 million microforms and 45,000 media titles. The Libraries' rapidly growing electronic resources include 377 databases, 186,000 e-books, and 10,500 electronic journals. UCF Libraries is a partial depository for United States and Florida government publications.

The main library is open 105 hours per week. Operating hours are available on the Web site: <http://library.ucf.edu> or by calling 407-823-2756. Over 200 computer workstations are available for public use on all five floors of the main campus library, including 40 laptops equipped with wireless cards that 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. Over 20 group study rooms are available for students. The main library also has two classrooms outfitted with 41 computer workstations for hands-on instruction in the use of electronic resources. Infusion, the Libraries' newest learning space, offers food and beverage items, 34 desktop PCs, comfortable seating areas, closed caption television, and a browsing collection for leisure reading.

The Libraries' web-based catalog can be accessed from any public or home PC, and offers a gateway to hundreds of electronic databases, catalogs of other state university libraries and the community college system libraries. For help and advice in the use of resources and materials, the Reference Desk is open most library hours. Librarians are on duty for assistance with selection and use of online and traditional resources. Individual appointments can also be made for in-depth research consultation. The web site <http://library.ucf.edu/ask/> connects students with Ask a Librarian, where questions are submitted and answered in a real time chat session, by email, telephone at 407-823-2562, or toll-free at 866-271-7589.

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

Services are provided for students with disabilities. In collaboration with the University's Office of Student Disability Services, library staff will assist students in the use of library resources. Students may request assistance with retrieval of materials by contacting the Circulation Desk. A workstation equipped with Jaws and Zoomtext software is available, as well as a Kurzweil reading 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 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. The Libraries partners with other university libraries and local institutions through Central Florida Memory, Florida Heritage, 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 (COE). The CMC provides representative K-12 curriculum materials for preview, review, analysis and circulation. Although the CMC primarily serves COE 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. Though the facility primarily serves the students, faculty, and staff of the Rosen College, the library is open to the entire UCF community as well as to hospitality industry professionals. The Library is fully staffed and users have access to most of the services and resources provided by the main campus library. For additional information go to <http://library.ucf.edu/Rosen> or call: 407-903-8100.

Regional Libraries collections and services are available at the Brevard Community College/UCF Joint-Use Libraries in Cocoa and Palm Bay, the Daytona Beach College Joint-Use Library in Daytona Beach, the UCF South Lake (Clermont) Joint-Use Library, UCF Sanford/Lake Mary located at the main campus of Seminole Community College, and UCF West Orlando located at Valencia Community College West. The university partners with local community colleges to provide complete information services, including materials processing and checkout at these regional sites.

University of Central Florida/Campuses

All locations provide electronic access to library and University resources on the Web. Courier and intercampus loan services make the main 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

Director: Ruth Marshall; Classroom Building 1, Room 203; 407-823-2571; Fax 407-823-2109
<http://www.oir.ucf.edu>

The Office of Instructional Resources (OIR) supports UCF administrators, faculty, and staff with multimedia design and production, digital media, Web casting, video streaming, video over IP, interactive video course delivery (ITV), video production, audio production, digital photography, graphics, Electronic Theses and Dissertation software training and support for graduate students, and a full range of online integrated multimedia classroom support services. OIR manages UCF's interactive video network. OIR's Faculty Multimedia Center (CL1 202) provides multimedia production and training resources for faculty using Macintosh and Windows personal computer systems. Services include digital image processing, high speed document scanning, DVD and CD-ROM production, HD and DV video production to support UCF events, and webcasting UCF events (<http://webcast.oir.ucf.edu>) such as Commencement ceremonies and UCF Presidential speeches. OIR's interactive video classroom (CL1 320) is used for videoconferencing and ITV course origination. The room provides faculty with an excellent location for training in ITV production and delivery skills. OIR supports more than 430 advanced multimedia classrooms throughout the UCF campus system. Approximately 95% of all classrooms at UCF are multimedia equipped.

OIR also provides IP-based videoconferencing services. All Regional Campus sites, the Center for Distributed Learning in the Partnership II building, the Rosen College campus, and several locations on the Orlando campus have videoconference rooms. Contact OIR for further details.

Course Development and Web Services

Director: Barbara Truman; LIB 107; 407-823-3718
<http://cdws.ucf.edu>

Course Development and Web Services (CDWS) is responsible for supporting UCF's online initiative: Online@UCF (<http://online.ucf.edu>), the main Web site (<http://www.ucf.edu>), the myUCF portal (<http://my.ucf.edu>), and enterprise applications such as AskUCF (<http://ask.ucf.edu>), and eCommunity (<http://ecomunity.ucf.edu>). CDWS also conducts faculty development for online course delivery. Examples of faculty development include IDL6543 (<http://reach.ucf.edu/~idl6543>), ADL5000 (<http://reach.ucf.edu/~adl5000>), and Essentials (<http://reach.ucf.edu/~essentials>). CDWS offers support for students taking online courses through the Learning Online Web site (<http://learn.ucf.edu>), and offers support for faculty through the Teaching Online Web site (<http://teach.ucf.edu/index.html>).

CDWS sponsors events, professional development activities through the Partnership for the Advancement of Distributed Learning located in the Partnership II building in the Central Florida Research Park. CDWS employs talented students to work on a variety of projects that support UCF's mission.

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

Graduation Rate Disclosure

The completion or graduation rate is the rate at which full-time, certificate-seeking or degree-seeking undergraduate students who are

enrolling for the first time at the institution, and who have not previously enrolled at any other institution of higher education, graduate from their programs. The 6-year graduation rate for the Summer-Fall full-time 2001-2002 cohort is 59 percent. The retention rate for Summer-Fall full-time 2006 students is 84 percent. The information is public and available for review on the Institutional Research website.

The UCF Arena

<http://www.ucfarena.com>

The new 10,000 seat UCF Arena, which opened Fall 2007, is home to UCF Men's and Women's Athletic events, competitions, tournaments and major University occasions including graduations and convocations. The Arena showcases major name talent, concerts, and touring shows.

The original UCF arena located behind and adjacent to the new Arena is now called "Backstage at UCF." An extensive renovation has been completed transforming it into a more intimate performance space featuring established, regional, and up-and-coming individual talent, bands, shows, special events and selected athletic events, including volleyball, men's and women's basketball practices, and basketball and cheerleading camps. Depending upon configuration, the facility can seat up to 2,500.

Please visit our website at <http://www.ucfarena.com>. For event, retail, or rental information, call 407-823-3070.

University Bookstore

<http://www.ucf.bncollege.com>

The UCF Bookstore, a Barnes and Noble College division bookstore, located in the John T. Washington Center, is the text book and course material destination. It offers a complete line of UCF clothing, logo gift items, convenience and snack items, as well as a full service Starbucks cafe. Operating hours when classes are in session are Monday through Thursday 8:00 a.m. to 7:00 p.m., Friday 8:00 a.m. to 5:00 p.m., and Saturday 10:00 a.m. to 2:00 p.m. For more information call 407-823-2665 or visit the Web site at <http://www.ucf.bncollege.com>.

Transportation Services

Through the efforts of the Department of Parking and Transportation Services, UCF constituency has varied transportation options to, from, and around the campus. The UCF Shuttle provides transit needs for students residing in fifteen (15) 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 (9) round-trip runs between 6:45 A.M. and 9:00 P.M., Monday through Thursday, during the Fall and Spring semesters.

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, and Valencia Community College, East campus. Commuters may connect to most anywhere in the Greater Orlando area. The LYNX buses normally operate at 30 to 60 minute intervals at a per-trip cost of \$1.50. Special passes are available at discounted rates. Route maps may be obtained at the UCF Visitors Information Center and the Information Kiosk at the Student Union. Further details may be obtained by calling LYNX at 407-841-8240, or from their Web site, <http://golynx.com>.

Orlando Shakespeare Theater in Partnership with UCF

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

The Orlando Shakespeare Theater, in partnership with UCF, is Central Florida's professional classical theater. An AEA union company, the theater presents a signature series of Shakespeare and other plays, a theater for young audiences series, The Harriett Lake Festival of New

Plays, and innovative educational programming that includes summer camps, a summer high school performance group, and the K-12 "Shakespeare Alive" and Shakesperience" programs. Performances are presented in Margeson, Goldman and Mandell Theaters at the Lowndes Shakespeare Center in Loch Haven Park.

Now celebrating its 20th Anniversary Season, the theater has achieved a position of national recognition, attracting artists from across the country. The theater has been featured in such national publications as Southern Living, Theater Week, Backstage, American Theater, Stage Directions and Southern Theater. The third year of UCF's Acting MFA in Theatre is spent in residence at the theater. Internships and independent studies for UCF undergraduates are also available with the theater in many departments. \$10 tickets are available for UCF students through the box office. To purchase tickets, contact the box office at 407-447-1700. For internship information and other questions, contact Artistic Director Jim Helsing.

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>

Staying in touch with your inner Knight is really about keeping connected with UCF: your school, your people, your traditions. The University of Central Florida Alumni Association develops and maintains alumni awareness and supplies the resources for members to stay connected. While UCF alumni comprise the core member group, membership in the UCF Alumni Association is offered during all phases of UCF life. Students can join the 4EVER KNIGHTS (4EK) Student Alumni Association and parents of UCF students can stay connected through parent memberships with the alumni association.

Membership in 4EK provides many benefits, including:

- FREE STUFF - membership key card, T-shirt, 1-year subscription to Pegasus magazine, Student Connection e-newsletter and discounts including 15% off all UCF logo merchandise at the UCF Bookstore
- FUN - Family Weekend, BBQ's, Homecoming, Oozeball, 4EK T-shirt days and more
- CONNECTIONS - Networking with UCF Students & alumni
- LEADERSHIP OPPORTUNITIES - Eligible to become a student ambassador
- SCHOLARSHIP OPPORTUNITIES - the alumni association awards more than \$40,000 in scholarships to eligible UCF students every year.

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

UCF Foundation, Incorporated

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



DIVISION OF MARKETING, COMMUNICATIONS, AND ADMISSIONS

Office of the Vice President for Marketing, Communications, and Admissions

Vice President for Marketing, Communications, and Admissions:
Thomas Huddleston, Jr., Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-2232;
<http://www.mca.ucf.edu>

Purpose Statement

Create, coordinate and deliver strategic communications and quality enrollment that add value to the university.

Overview

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

As one of the nation's largest public universities, UCF is compelled to share its rich story and significant achievements in academics, campus life, research, economic development, and partnerships to its many audiences.

These important publics include the UCF academic community, prospective students, corporate partners, alumni, donors, media representatives, and elected officials.

News and Information

Assistant Vice President: Grant J. Heston, Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-5988
<http://www.news.ucf.edu>

News and Information is the primary media and public relations office for the University of Central Florida. The department is responsible for disseminating news about the university's academic programs, research, administration and other activities to the media, university community, and public.

The office's services and activities also include advising faculty, staff, and students on media and public relations; responding to media requests for experts and information; arranging interviews and media visits; and coordinating news conferences and other media events.

News and Information also provides content for the main UCF Web site, <http://www.ucf.edu>, and the news site, <http://www.news.ucf.edu>.

Regional Campuses Transfer Admission, Enrollment Services and Marketing

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

The Office of Transfer Admission, Enrollment Services and Marketing works in partnership with the Division of Marketing, Communications, and Admissions to provide services to the Regional Campus students. The Office centralizes multiple functions with multiple sites to accommodate the access, convenience and value of attending the UCF Regional Campuses for degree completion.

Student Financial Assistance

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

The Office of Student Financial Assistance manages resources for all students. Once financial aid eligibility is determined, the office provides options to help students meet their educational goals. Comprehensive counseling is available by appointment. Due to confidentiality, counseling by phone and e-mail is limited.

Student Outreach Programs

Director: Rhonda Hall; Orlando Tech Center, 12443 Research Parkway, Suite 600, Orlando 32826; 407-823-5580
<http://www.reachout.ucf.edu>

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

The College Reachout Program (CROP) is supported by the Florida Department of Education and provides campus and school-based programs to strengthen the success skills of students in grades 6-12, and the UCF McKnight Center of Excellence offers direct access to community-based programs for students at each grade level.

Television Services

Assistant Vice President: Richard Payne; Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-1601
<http://www.ucftv.ucf.edu>

Television Services strengthens the UCF brand by developing and distributing enrichment programs that help differentiate UCF as a leading metropolitan research university. The programming highlights the university's academic achievements, economic development, cultural contributions, and community relationships.

Television Services serves as a strategic integrated communication vehicle through its video production, television program development, and distribution services units. Video production and distribution capabilities include studio and on-location video production, editing, plus video uplink services. Through strategic community partnerships with Bright House Networks, WBCC-TV, local county government cable channels, and WMFE-TV, viewers in the Central Florida region are able to watch UCF television programs via antenna, cable, and satellite TV. Internet distribution expands the university's reach across the globe.

Undergraduate Admissions

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

The Office of Undergraduate Admissions coordinates the admission and enrollment of all undergraduate first-time-in-college, transfer, non-

degree, and non-Florida state university transient students to the Orlando, Cocoa, South Lake, and Daytona campuses. The office's primary mission is to identify, attract, and enroll talented, diverse, and academically qualified students who will contribute to and achieve growth and success at the University of Central Florida.

Please contact the office at 407-823-3000 or visit our Web site for further information. Office hours are: Monday/Thursday 9 a.m. to 7 p.m., Tuesday/Wednesday/Friday 9 a.m. to 5 p.m.

University Marketing

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

University Marketing is a full-service integrated communications and marketing department whose staff is comprised of award-winning graphic design and copywriting professionals.

University Marketing works with UCF clients to help them reach their goals. As marketing professionals we work alongside customers to build important, reputation-building materials.

In addition to working with internal clients, University Marketing extends its reach to metro Orlando and beyond through its branding efforts. Under the umbrella-themed "UCF Stands For Opportunity," the unit increases the university's visibility and enhances its reputation by distributing key UCF messages in various media including print, television, radio, and Internet.





Division of Student Development and Enrollment Services

Vice President for Student Development and Enrollment Services:
 Maribeth Ehasz; MH 282; 407-823-4372
Associate Vice President: Mark Allen Poisel; MH 282;
 (407) 823-4625
Associate Vice President: Sharon Ekern; MH 282; 407-823-3167
<http://www.sdes.ucf.edu>

Introduction

The Division of Student Development and Enrollment Services (SDES) is responsible for the administration and management of programs, services, facilities and activities designed to promote and support student learning both inside and outside the classroom. Our goals are guided by student learning outcomes that insure student success.

The SDES Vision is: "Building collaborative partnerships that empower students to succeed!"

Student Development and Enrollment Services, in collaboration with university and community partners, empowers students to succeed by providing opportunities and support to develop integrity, scholarship, community, creativity and excellence. These values of "The UCF Creed" guide our conduct, performance and decisions.

Goals of the division are to:

- Provide quality programs, services and learning environments that promote progression to graduation, graduate school, and productive employment;
- Create opportunities for students to strengthen life skills and develop purpose, integrity, ethical standards and civic responsibility;
- Embrace diversity and foster engagement in the global community.

Academic Services for Student-Athletes (ASSA)

Director: Mark Gumble; WDSC 104, SABRE Centre; 407-823-5896
<http://www.assa.sdes.ucf.edu>

The Office of Academic Services for Student-Athletes 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;
- Leading student-athletes in their personal development through participation in the NCAA CHAMPS Life-Skills Program;
- 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 Sciarrino; SU 215; 407-823-5548
<http://www.asf.ucf.edu>

The Activity & Service Fee Business Office provides a variety of services to UCF students. The office processes purchase requests for most Activity & Service Fee Agencies and all Student Government allocations. We provide financial training workshops to student organization officers and their faculty/staff advisors. The office also provides 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, which is located in SU 209. The Student Government Computer Lab has 42 computer stations available and is the only lab that provides FREE printing to currently enrolled students. Our office also manages the Student Government Ticket Center which sells a variety of discounted tickets to local amusement parks and movie theaters, and is also an authorized *TicketMaster* Retail Outlet.

Alcohol and Other Drug Prevention Programming

Director: Tom Hall; COUN; 407-823-0879
<http://www.aod.sdes.ucf.edu>

The Alcohol and Other Drug Prevention (AOD) Programming Office offers a wide variety of services, including education, prevention, alcohol and other drug assessment/evaluation, short term intervention, and referrals for treatment. The AOD Office partners with other campus and community programs to create a healthy environment for stu-

Division of Student Development And Enrollment Services

dents to study, work and play. Programs, activities and support services are provided to students to encourage low risk, responsible choices; ones that will optimize their personal and academic success and enhance their time at UCF.

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

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

AOD Policy Information: Standards of conduct and disciplinary sanctions will be imposed for the unlawful possession, misuse or distribution of illicit drugs and alcohol by UCF students and employees on UCF property or as part of any of its activities. The unlawful manufacture, distribution, dispensation, possession or misuse of a controlled substance, prescription medication or the unlawful possession and use of alcohol is harmful and prohibited in and on UCF owned 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.

The sale, service, possession and consumption of alcoholic beverages shall comply with state and federal laws, city and county ordinances, and the licensing agreement with on-campus distributors which allows for the sale and service of alcoholic beverages. In addition, the university has formulated the following policies governing the sale, service, possession and consumption of alcoholic beverages on campus. For more information regarding Alcohol/Drug Policy, visit http://www.goldenrule.sdes.ucf.edu/14_Drug_Free.html.

Assessment and Planning

Director: Ronald H. Atwell; MH 282; 407-823-2628
<http://www.assess.sdes.ucf.edu>

This office provides the Vice President and units of Student Development and Enrollment Services assistance in assessment, research and planning functions. The office also is responsible for the development of division-wide publications.

Campus Faiths and Ministries

Director: Brad Crawford; SU 305; 407-823-5336
<http://www.cfm.sdes.ucf.edu/>

The Campus Faiths and Ministries program is a combined effort of a wide variety of religious faiths and denominations providing students with professional personnel who will encourage spiritual, moral, and social opportunities in a spiritual context within the University community. In addition to mission and service opportunities, Campus Faiths and Ministries offers counseling, scripture study, public lecture and discussion programs, fellowship, recreation, and worship services.

Career Services

Director: TBA; FC 185; 407-823-2361
<http://www.career.ucf.edu>

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

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

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

Counseling Center

Director: TBA; COUN; 407-823-2811
<http://www.counseling.sdes.ucf.edu>

The Counseling Center serves UCF enrolled students who seek assistance with developmental and 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 of licensed (or license-eligible) psychologists, mental health counselors and social workers 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. Services offered by the Center include:

- Short-Term Individual Counseling
- Group Counseling and Workshops
- Crisis Intervention
- Couples Counseling
- Professional Consultation
- Outreach and Presentations
- Referral

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

Creative School for Children

Director: Marcia Diebler; CSC; 407-823-2726
<http://www.csc.sdes.ucf.edu>

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

First Year Advising and Exploration (FYAE)

Director: Gloria Laureano; PH 116; 407-823-3789
<http://firstyear.sdes.ucf.edu>

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

To fulfill this mission, each student is assigned a specific academic advisor who connects with the student through various activities such as orientation, individual appointments, outreach programs, email and phone communication, and small group advising sessions. 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 off-campus facilities. FYAE also offers academic advising at their satellite office located in the Pegasus Landing affiliated housing area. 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.

Fraternity and Sorority Life

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

The Fraternity and Sorority Life office is committed to providing the best possible fraternity and sorority experience for students and the university community. This office fosters and promotes the develop-

ment of national fraternities and sororities by providing advice, 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, 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 source of job contacts, a scholastic support system, an organization for community service, hands-on experience in running a working entity, and a foundation for long-lasting friendships. Currently, 40 fraternities and sororities involve more than 2,700 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 that governing body. Whether or not 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 life at the University of Central Florida.

Health Services

Director: Bob Wirag; HC 309; 407-823-2094
<http://hs.ucf.edu>

Every health fee paying student is entitled to the benefits provided through UCF Health Services, which are outlined in printed material available at the Health Center or on its website at <http://hs.ucf.edu>.

The nationally accredited primary care program is staffed by Board-certified physicians, advanced registered nurse practitioners, physician assistants, registered nurses, licensed practical nurses, pharmacists, 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 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 Health Services on the Orlando campus.

Medical conditions that require specialty care services are referred to specialists in the greater Orlando area or to specialists according to the patient's preference. Most office consultations and programs are provided without charge. However, 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.

An optional health and accident insurance plan by Aetna Student Health Insurance that is endorsed by UCF may be purchased by response to periodic mailers or by contacting the UCF Health Services Business Office (407-823-1087). 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 and also provides for health coverage needs 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.

In addition to access for clinical care services, the health fee entitles UCF students to use the Wellness Center located in the Recreation and Wellness facility. The Wellness Center recognizes the role of lifestyle in health and disease prevention by offering a wide range of health promotion services provided by professional health educators and peer health educators/advocates...including HIV confidential blood testing and oral HIV testing, biofeedback, nutrition and weight management, massage and physical fitness and lifestyle assessment. Opportunities for student development include: Student Health Advisory Committee, Student Wellness Advocate Team (SWAT), Graduate Assistantships or becoming a Wellness Peer Educator or Health Advocate.

When the Health Center is closed, students may obtain information and help from Health Services telephone message at 407-823-2701, its website (see above), FreeMD (the web-based interactive system to help make decisions about health needs) or the Wellness Center at 407-823-5841. If the situation is urgent, students should call 911.

Wellness Center

Assistant Director for Health Promotion: Peter Mastroianni;
RWC 111; 407-823-5841
<http://www.hs.sdes.ucf.edu/wellness.htm>

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

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

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

Many participants can earn "LINK Loot."

Housing and Residence Life

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

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

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

Housing choices range from suite style residence halls to single 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 Apartments.

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

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

LEAD Scholars Program

Director: Gary Morgan; SU 207; 407-823-2223
<http://www.lead.sdes.ucf.edu>

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

The primary goal of the LEAD Scholars Program is to prepare students to be effective leaders in personal, professional, and civic communities. This goal is achieved through three venues: academic excellence, leadership, and community service. Students are integrated with faculty in the colleges of Arts and Humanities, Business Administration, Education, Engineering and Computer Science, Health and Public Affairs, and Sciences. These Colleges hosts two

Division of Student Development And Enrollment Services

credit Foundations of Leadership courses providing the primary means of facilitating the focus for study, advisement and educational activities as it relates to leadership, academic excellence and community service. First time in college students from any major are eligible to apply to the LEAD Scholars Program.

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

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

LINK - First Year Experience Program

Assistant Director of Transition Leadership: Edwanna Andrews; SU 207; 407-823-2223
<http://www.link.ucf.edu>

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

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

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

Last Fall semester, over 200 programs were LINK-connected, giving freshmen numerous opportunities to earn points and get connected to UCF. In the five years since its inception, LINK has awarded \$11,700 in tuition scholarships and over \$25,000 in other prizes. No need to sign up for LINK-as long as you are a first time in college student, you can start earning points NOW!

Multicultural Academic and Support Services (MASS)

Director: Wayne Jackson; PH 102; 407-823-2716
<http://www.mass.sdes.ucf.edu>

The Office of Multicultural Academic and Support Services provides comprehensive academic support, cultural enrichment, consultation, and referral services that promote the recruitment, admission, 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); 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 (OCSS)

Assistant Vice President and Director: Jimmy Watson; HAB 101; 407-823-6505
<http://www.housing.ucf.edu/offcampus/>

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

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

Office of Student Involvement

Director: Kerry Welch; SU 208; 407-823-6471
<http://www.GetInvolvedUCF.com>

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

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

Orientation Services

Director: Joe Ritchie; PH 218; 407-823-5105
<http://www.orientation.sdes.ucf.edu>

The orientation program (combining pre-enrollment orientation with extended first year transition programs for academic credit) assists entering freshmen and transfer students with their transition to the University of Central Florida by providing information about student services, campus life, academic support, academic advising, and registration. Every freshman and transfer student is required to attend an orientation session prior to registering for classes. Students register for the program and get further information by visiting the Orientation Services website at <http://www.orientation.sdes.ucf.edu>.

Recreation and Wellness Center

Director: James Wilkening; RWC; 407-823-2408
<http://www.rec.ucf.edu>

The Recreation and Wellness Center (RWC), an integral and active service of the diverse university community, supports and strengthens the mission of the University of Central Florida. Our mission 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 five different programs: Intramural Sports, Sport Clubs, Outdoor Adventure, Fitness, and Aquatics. The Recreation and Wellness Center is open to all students with a valid UCF ID. Memberships are available for non-students.

The Recreation and Wellness Center staff also operates the Lake Claire recreation area, located just north of Greek Row. Lake Claire offers picnic facilities and watercraft usage. The facilities can be reserved for group activities by filling out the reservation request form online at the RWC Web site.

RWC Indoor Facilities:

- Four indoor multipurpose courts
- 1/8 mile indoor track
- 12,000 sq. ft. weight floor
- 3,000 sq. ft. Cardio floor
- 41 ft. Climbing Tower

- Group exercise studio
- Spinning studio

RWC Outdoor Facilities:

- 230,000 gallon 6 lane outdoor pool
- 181,000 gallon Leisure pool ranging from zero to five ft. deep
- Eight sand volleyball courts
- Three basketball courts
- Seven tennis courts

RWC Park:

- Three lighted artificial turf fields
- Softball/baseball field
- Nine acre multipurpose field

Challenge Course:

- High Elements; 10 total; on two levels between 25-45 ft.
- Low Elements; 11 total

Intramural Sports

Assistant Director: Gary Cahen; RWC; 407-823-2408
<http://www.rec.ucf.edu>

The Intramural Sports program offers the opportunity to participate in more than fifty action-filled team, dual, and individual sports, including perennial favorites flag football, basketball, soccer, and floor hockey. Several competition divisions are offered to accommodate various skill levels.

A unique aspect of the UCF program is referee development, in which students can be trained to officiate sports, earn money on campus, and have an opportunity to work in the Orlando community. Contact the Recreation and Wellness Center to sign up for a team or as an individual, or for more information, visit <http://www.rec.ucf.edu> or call 407-823-2408. Get involved and remember to take a little time each day to play.

Regional Campus Student Services

Assistant Vice President: A.J. Range; University Tower, Suite 101, 12201 Research Parkway, Orlando, FL 32626
 407-823-2609;

Director, Student Services, Eastern Region: Diana Weidman
Director, Student Services, Southern Region: Terry Exum
Director, Student Services, Western Region & Central Region: Pamela Brady

The UCF Eastern Region (Daytona; 386-506-4024 or erss@mail.ucf.edu), UCF Southern Region (Cocoa; 321-433-7950 or srss@mail.ucf.edu), and UCF Western Region and Central Region (352-536-2219 or wrss@mail.ucf.edu) Student Services offices provide student services at the regional campuses, which include 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: Dennis J. Dulniak; MH 161; 407-823-3100;
 Registration HelpLine: 407-823-3533; E-mail: registrar@mail.ucf.edu
<http://www.registrar.ucf.edu>

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

Veteran Services

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

Veteran Services serves all veteran students and eligible dependents who are using VA educational benefits to further their education. The office provides information concerning entitlements, filing claims to the Department of Veterans Affairs (DVA), certifying enrollment at the

University, and deferring tuition and fee payments. The office also provides related counseling for personal and academic concerns and referral to various community agencies. Veterans and eligible dependents must be certified through Veteran Services each term to receive VA educational benefits. The office monitors the academic progress of all those receiving VA educational benefits. All veterans and eligible dependents are urged to consult Veteran Services early in the UCF admissions process.

Students eligible for VA educational benefits must certify each term with Veteran Services after they enroll for classes. To maintain eligibility for VA educational benefits, students must adhere to the policies and procedures VA educational benefits. A copy of the "Student Veteran Handbook" can be obtained on the GI Bill website.

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

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

For Fall and Spring semesters, undergraduates must carry at least 12 credit hours for full-time VA benefits, 9-11 credit hours for three-quarter time benefits, and 6-8 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. For students who fail to maintain satisfactory academic progress, benefits will be terminated once the required credit hours of course work for the program of study are completed, regardless of the GPA or eligibility for graduation. Veterans and eligible dependents also may draw VA benefits during the periods of eligibility while on Cooperative Education assignments. Payment is received during both the on-campus and off-campus work terms. Contact Veterans Services for more specific benefit information on Cooperative Education.

Rosen College of Hospitality Management Campus Life

Director: Tony Perry; 9907 Universal Blvd., Suite 204, Orlando, FL 32819; 407-903-8072

Student's campus life needs are met on the new Rosen College of Management Hospitality campus through the Student Administrative Services Office. Staffing and services provided through this office include: undergraduate and graduate student advising, student financial assistance, co-op planning and placement, career services, student club and organization support, student counseling, student disability services, off-campus student housing information, student activities programming guidance and support, and *UCF Golden Rule* interpretation.

Division of Student Development And Enrollment Services

Sophomore and Second Year Center

Director: Robert Snow; PH 215; 407-823-3375
<http://www.sophomore.sdes.ucf.edu>

The Sophomore and Second Year Center has been developed to guide students toward declaration of a major, retention to the next year, and eventual graduation from the University of Central Florida. The center has primary responsibility for connecting sophomores and second year students to campus resources, academic advising, career development, academic support services, and transition assistance to the appropriate college advising office or department.

The center also provides advising support to undeclared (no major) students after their first year at UCF; accelerated FTIC's (first time in college students entering UCF with 45 or more college credits earned from AP, IB, CLEP, and/or dual enrollment courses); and sophomores and second year freshmen who are changing their majors or need assistance in transitioning to the appropriate college advising support office.

Student Academic Resource Center (SARC)

Director: Jennifer Wright; PH 113; 407-823-5130
<http://www.sarc.sdes.ucf.edu>

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

The Supplemental Instruction (SI) program focuses on providing assistance to students in historically difficult courses such as anatomy, biology, chemistry, microbiology, molecular biology, 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, chemistry, economics, 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, reading effectiveness, and memory improvement. Additionally, preparatory workshops are offered for the math portions of the College Level Academic Skills Test (CLAST) and General Knowledge exam. Computer-assisted learning programs are also available for the GRE, GMAT, and CLAST exams.

SARC's professional academic advisors provide support for students in the Pegasus Success Program, the College Achievement Program (CAP) and the Supporting Teacher Education Pre-professionals (STEP) Program.

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

Student Disability Services (SDS)

Director: Pam Rea; FC 132; 407-823-2371
<http://www.sds.sdes.ucf.edu>

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

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

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

After admission to the university, students who have a disability that may require academic accommodations must contact Student Disability Services for an intake interview to be eligible to receive academic accommodations. The student will be required to provide disability documentation during the intake interview at Student Disability Services. 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

OSI/SGA Advisors: Director Kerry Welch & Assistant Director Christa Coffey; SU 214; 407-823-2191
<http://www.sga.ucf.edu>

The Student Government Association's purpose is to represent student views on issues affecting UCF and to promote progressive changes that improve campus life. In advocating better communication and understanding among the UCF family, the Student Government Association also provides numerous services that affect student life. These services currently include computer labs, discount tickets to movie theaters and theme parks, free local calling on campus telephones, funding for legal services, recreational services and agency (Campus Activities Board, Homecoming, Volunteer UCF, Late Knights, and the Multicultural Student Center) programming. 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, projects and travel to conventions. SGA coordinates its efforts with the Florida Student Association in lobbying for students' rights on local, state and national government 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, composed of the Student Body President, Vice President, and staff, oversees the daily administrative operation of SGA. The legislative branch funds campus student organizations and also passes bills and resolutions benefiting the student body. The judicial branch oversees hearings concerning constitutional and legislative issues.

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

Student Rights and Responsibilities

Assistant Vice President and Director: Patricia A. MacKown; FC 155; 407-823-6960
<http://www.osrr.sdes.ucf.edu>

By offering a wide range of services designed to assist as well as educate students in resolving their disputes, the Office of Student Rights and Responsibilities (OSRR) combines Student Legal Services, Dispute Resolution Services, and the Office of Student Conduct. OSRR provides a forum that contributes to the individual growth and development of the student's knowledge of community responsibilities, due process, conflict resolution skills, and university student conduct rules. Our resources are more effectively used by combining and referring within the judicial knowledge base that exists within these three services. The Office of Student Rights and Responsibilities publishes the Student Handbook, The Golden Rule, which contains more detailed information on student life. Copies of The Golden Rule can be obtained at OSRR, or can be viewed on the Web at <http://www.goldenrule.sdes.ucf.edu>.

Dispute Resolution Services

Coordinator: Patty Farris; FC 154; 407-823-3477
<http://www.dr.sdes.ucf.edu>

Dispute Resolution Services enhances the university community by offering mediation training and services directed at resolving interpersonal disputes while promoting individual responsibility. Mediation is a private, voluntary, decision-making process in which one or more impartial persons (mediators) assist people, organizations, and communities in conflict to work toward a variety of goals. This service is available to the university community and is encouraged for those who have been unsuccessful in resolving their differences. Mediation training is conducted several times each semester and is offered at two different levels: 1) a basic introduction to conflict resolution skills and mediation techniques session; and 2) as an advanced mediation techniques session. Mediation services are provided to UCF students, fac-

ulty, and staff at no charge. Mediation training is provided to students at no charge, and to faculty and staff at cost. Dispute Resolution Services also offers educational workshops and outreach programs to foster understanding and promote harmony within the university community.

Student Conduct

Associate Director: Dana Juntunen; FC 142; 407-823-2851
<http://www.osc.sdes.ucf.edu>

The Office of Student Conduct addresses alleged violations of the "Rules of Conduct" contained within the student handbook, The Golden Rule. This office is also responsible for advising students of their rights during the Student Conduct Review Process, dean's certification, and student eligibility checks. The rules of conduct can be found in the Golden Rule handbook and copies may be obtained at the Student Conduct office, or can be viewed on the Web at <http://www.goldenrule.sdes.ucf.edu>.

Students are urged to take advantage of the many services and educational programs available through the Office of Student Conduct and the Office of Student Rights and Responsibilities.

Student Legal Services

Assistant Vice President and Director: Patricia A. MacKown; FC 155; 407-823-2538
<http://www.stulegal.sdes.ucf.edu>

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

Student Success Center (SSC)

Assistant Vice President: DeLaine Priest; PH 216; 407-823-2137
<http://ssc.sdes.ucf.edu>

The Student Success Center provides seamless articulation, programs and services that support, motivate, and encourage first-year students to more effectively transition into their new UCF environment while minimizing threats to their success. This unit offers academic advising, learning support services, testing administration, and outreach programming.

Academic Exploration Program (AEP)

PH 116; 407-823-3789
<http://aep.sdes.ucf.edu>

The Academic Exploration Program has been developed to provide structured experiences to assist students who have not declared a major. Students are provided major exploration and career development connections as primary advising initiatives so they can assess, explore, plan, and decide on their future major at UCF. AEP 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 is also available to first-year students who are unsure about their major choice and to those changing their majors.

Student Union

Director: Suzanne Halpin; SU 312; 407-823-2117
<http://www.studentunion.ucf.edu>

The Student Union is the meeting place on campus and provides the campus community with a variety of meeting places, offices, programs, and services. The Union is home to a great variety of restaurants including Joffrey's Coffee, Smoothie King, Subway, Sbarro, Mrs. Field's, Pretzel Time, Wackadoo's Grub and Brew, Qdoba Mexican Grill and Burger King. An expanded food court will include Phat Philly, Asian Chao and Corner Cafe. Retail stores include Park Avenue CD's, Greek Unique, KnightStop Convenience Store, College Optical, and the UCF Computer Store. Other services located in the Union are the SGA Ticket Center, Kaplan Test Services, and ATMs from SunTrust, Bank of America, and the UCF Credit Union. 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;
 - o Available at Brevard, Lake Sumter, Seminole, and Valencia Community Colleges;
 - o A.A. and A.S. graduates guaranteed admission to UCF;
- 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;
- Articulation workshops and conferences involving instructional, advising, and administrative personnel from the university, community colleges, and other institutions.

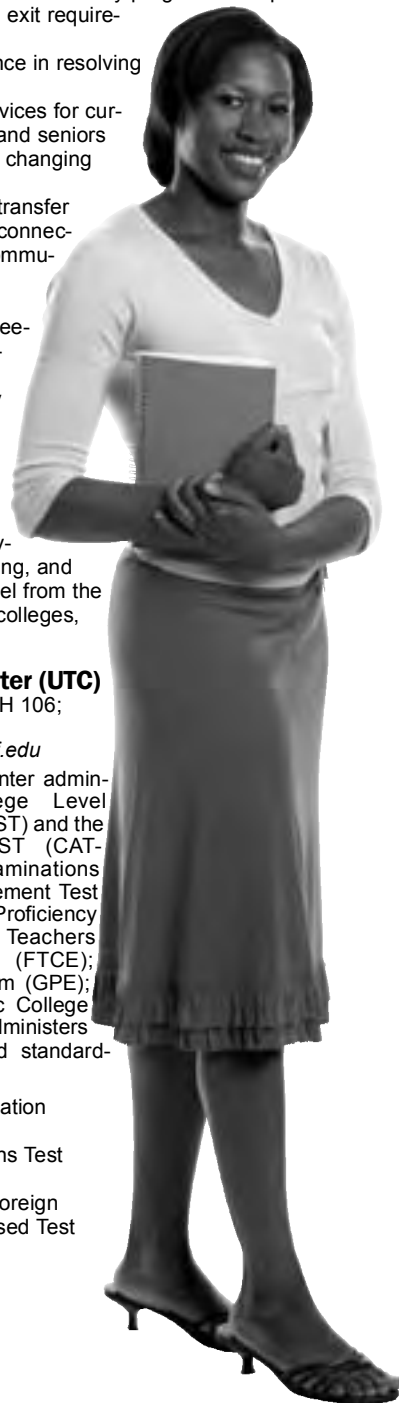
University Testing Center (UTC)

Director: Rebecca Piety; PH 106; 407-823-5109

<http://www.testing.sdes.ucf.edu>

The University Testing Center administers the state College Level Academic Skills Test (CLAST) and the Computer-Adapted CLAST (CAT-CLAST); placement examinations such as the College Placement Test (CPT); Foreign Language Proficiency Exam (FLPE); Florida Teachers Certification Examination (FTCE); Grammar Proficiency Exam (GPE); and Institutional Academic College Test (ACT). UTC also administers the following national and standardized exams:

- College Level Examination Program (CLEP)
- Law School Admissions Test (LSAT)
- Test of English as a Foreign Language, Internet-based Test (TOEFL iBT)



UNDERGRADUATE ADMISSIONS



Undergraduate Admissions

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

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

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

The office administers several programs for prospective students and parents, including daily tours and information sessions, open houses, area receptions for admitted students, and high school and communi-

ty 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 Undergraduate Admissions office 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" and include the \$30 in U.S. Currency, non-refundable application fee. Students may also apply online at our web site, <http://www.admissions.ucf.edu>. Students should apply **several** months in advance of an anticipated start date. Mail admission applications to: Undergraduate Admissions Office, University of Central Florida, P.O. Box 160111, Orlando, FL 32816-0111. Questions concerning admission requirements and applications can be forwarded to admission@mail.ucf.edu.

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

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

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

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

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

Reactivation

Students who have submitted an application for admission to UCF as a degree-seeking student and do not attend, may reactivate the original application **within one year** of the term for which they first applied. To update the application, students should complete the Reactivation Form online at

https://www.admissions.mca.ucf.edu/secure/react_app_login.asp by the published application deadline date. This process reactivates the 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 students offered admission to the University or may be viewed on the website at <http://www.orientation.ucf.edu>.

Admission Categories

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

- Freshman (First-Time-In-College: FTIC)
 - Dual Enrollment (includes early admission and dual enrollment, on- or off-campus)
 - Transfer
 - Second Bachelor's Degree
 - Transient (one term enrollment only, not from a Florida public university)
 - Limited Non-Degree Seeking
- Upper Division Transfer students may also apply to one of many Regional Campus sites. Please refer to the application.

Freshman Applicants

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

High School Diploma

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

Entrance Examination Scores

All applicants for admission must submit test scores from the SAT I 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) score.

High School Academic Units and Grade Point Average

All applicants must have earned a minimum number of high school academic units (year-long courses that are not remedial in nature) to be considered for admission. A grade point average (GPA) will be computed only on academic courses. Grades in International Baccalaureate, 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) | 3 |
| ■ 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 Assn. of School Administrators, or other groups, and courses recommended by the Articulation Committee and approved by the Department of Education | 3 |
| Total Units | 18 |

Undergraduate Admissions

Applicant Eligibility

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

| If the High School GPA is: | Minimum SAT | test scores must be: or | ACT |
|----------------------------|-------------|----------------------------|-----|
| 2.0 | 1140 | | 25 |
| 2.1 | 1110 | | 24 |
| 2.2 | 1090 | | 23 |
| 2.3 | 1060 | | 22 |
| 2.4 | 1030 | | 22 |
| 2.5 | 1010 | | 21 |
| 2.6 | 1000 | | 21 |
| 2.7 | 990 | | 21 |
| 2.8 | 980 | | 20 |
| 2.9 | 970 | | 20 |
| 3.0 | * | | * |

*No minimum score required.

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

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

Dual Enrollment Applicants

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

1. Early Admission is for students who have completed their junior year in high school and would like to enroll at the University as full-time students for their senior year of high school. Students must submit an application for admission by the published application deadline date. In addition, the following information is required:

- official copy of high school transcript(s);
- official copy of SAT I or ACT;
- written letter of recommendation from high school counselor or school district permission form;
- written permission from parents or legal guardian.

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

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

Transfer Applicants

UCF welcomes transfer applications to the University. Students should apply online at <http://www.admissions.ucf.edu> and arrange to have official transcripts sent from all colleges attended. The Undergraduate Admissions Office computes a grade point average (GPA) for each

institution attended, as well as a cumulative GPA on all college courses attempted. This computation does recognize plus or minus grades effective Fall 2001, but only recognizes grade forgiveness when it is used as part of an awarded State articulated Associate in Science degree or an Associate in Arts degree from a Florida public community college or Florida public university. Applicants must have a current minimum GPA of 2.0, and must have a cumulative minimum GPA of 2.0 and be in good standing as a degree seeking student at the last institution attended to be considered for admission to UCF. Meeting these minimum requirements **does not** guarantee admission.

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

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

Transfer Applicants With Fewer Than 60 Credit Hours

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

Transfer Applicants With an A.A. Degree From a Florida Public Institution

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

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

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

- Admission to one of the eleven state universities, except to "limited access" programs (programs that have additional admission requirements);
- Acceptance of at least 60 credit hours by the state universities toward the baccalaureate degree;
- Transfer of equivalent courses under the statewide Course Numbering System;
- Acceptance by the state universities of credit earned in accelerated programs (e.g., CLEP, AP, PEP, Dual Enrollment, Early Admission, and International Baccalaureate);
- No additional General Education Core requirements;
- Advanced knowledge of selection criteria for limited access programs; and

7. Equal opportunity with native university students to enter limited programs.

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

Transfer Applicants - More Than 60 Hours, Have Not Received an A.A. Degree From a Florida Public Institution

Undergraduate transfer applicants who desire to be admitted as upper division students must have met, at least, all of the following requirements:

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

Meeting these minimum requirements does not guarantee admission.

Second Bachelor's Degree Applicants

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

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

Credits From a Previous Baccalaureate Degree

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

Transient Student Applicants

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

Limited Non-Degree Seeking Applicants

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

Programs using the Limited Non-Degree Seeking status include:

- High school Dual Enrollment
- Soldiers-to-Scholars
- Continuing Education
- Regional Campuses
- Off-campus credit
- Teacher Certification or re-certification

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

1. Students are required to provide evidence of their educational qualifications for attending classes in order to meet the intent of this enrollment classification;

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

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

International Applicants

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

- Submit the completed UCF admissions application form with the required \$30.00 application fee (check or money order in U.S. currency). An online application is available on our Web site at <http://www.admissions.ucf.edu>.
- Students who attended an international secondary school that uses a grading and evaluation system different from the U.S. system will need a document-by-document evaluation 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) **may** be required of students whose first language is not English. Information about this examination can be obtained from TOEFL, P.O. Box 6151, Princeton, New Jersey, 08541-6151.
- 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), P.O. Box 592, Princeton, NJ, 08540 or from ACT, P.O. Box 414, Iowa City, Iowa, 52243. While there are no specific minimum score requirements on these examinations for admission, they are used in conjunction with other required credentials, and students should prepare sufficiently to achieve the highest possible score on these exams.

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.

Undergraduate Admissions

Educational Translations and Evaluations

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

| | | |
|---|--|---|
| Josef Silny and Associates 7101 SW 102 Ave. Miami, FL 33173 (305) 273-1616 | World Education Services P.O. Box 5087 Bowling Green Station New York, NY 10274 (212) 966-6311 | AACRAO's International Education Services One Dupont Circle, NW Suite 520 Washington, DC 20036-1135 (202) 296-3359 |
|---|--|---|

Mandatory Health Insurance for International Students on F-1 and J-1 Visas

Each international student on a F-1 or J-1 visa offered admission shall, **prior** to registration for classes, submit proof of required health insurance coverage with UCF Health Services to comply with the State of Florida mandatory health insurance requirement for F-1 and J-1 students. Minimum coverage limits can be obtained from UCF Health Services. 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 visas 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, or avoids in any way the responsibility to comply with the insurance requirement. For questions, call UCF Health Services at 407-823-3707 or go to their Web site at <http://www.hs.sdes.ucf.edu/healthcenter/insurance.html>.

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. 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 AACRAO's International Education Services, 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 "SASS Degree Audit," which applies earned credits to the intended degree program. The "SASS Degree Audit" provides the student with an assessment of which degree requirements have been met and what remains to be satisfied. Although all college-level course work transferred from a regionally accredited institution is shown on the TSR and the UCF transcript, applicability of the course toward a degree requirement is **determined by the college/school/department of the major**.

General Education Transfer Credits

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

Credits From Private and Out-of-State Institutions

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

Credits From Military Service School Courses

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

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

Baccalaureate Honors

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

STUDENT FINANCIAL ASSISTANCE



Office of Student Financial Assistance

Executive Director: Mary H. McKinney; Millican Hall, Room 120;
Switchboard: 407-823-2827; Appointment: 407-823-5285;
Fax: 407-823-5241; E-mail: finaid@mail.ucf.edu
<http://finaid.ucf.edu>

Office Hours:

Monday: 9:00 a.m. - 6:00 p.m.
Tuesday, Wednesday, Friday: 9:00 a.m. - 5:00 p.m.
Thursday: 1:00 p.m. - 6:00 p.m.

(Hours subject to change during holidays and semester breaks.)

The Office of Student Financial Assistance manages resources for all students. Once financial aid eligibility is determined, the office provides options to help students meet their educational goals. Comprehensive counseling is available by appointment. Due to confidentiality, counseling by phone and e-mail is limited.

Student Rights and Responsibilities

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

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

Student Eligibility

To receive aid from most federal and state financial aid programs, students must meet certain requirements. All students are encouraged to complete the Free Application for Federal Student Aid (FAFSA) annually, before March 1, to determine eligibility. The FAFSA results are required for many programs. The federal processor, using a standard-

ized formula, calculates financial need. Those results are then forwarded to the schools that were identified on the form as considered for attendance. UCF must be listed on the FAFSA in order to receive the data. UCF's Title IV code is 003954. Regulations are subject to change at any time.

Application Priority Date

All students must apply or reapply yearly for financial aid.

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

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

Application Procedures

- The FAFSA can be filed electronically at <http://www.fafsa.ed.gov>. A link is provided on the Web site and on myUCF.
- Messages from the federal processor should be reviewed thoroughly;
- Review all correspondence, follow instructions on the Student Aid Report, and follow through promptly. Delays can be costly as well as frustrating;
- Federal Regulations require that some students be selected for verification. If selected, students will be required to provide docu-

Student Financial Assistance

ments 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;
- To ensure enrollment in sufficient hours for the various financial aid programs, please refer to the Program Eligibility Charts on the Web site;
- Students must maintain UCF's Standards for Satisfactory Academic Progress;
- Students are required to inform financial aid of any additional sources of aid they expect to receive beyond those listed on the award notification or award information provided on the Student Center on myUCF. Any subsequent awards or income may necessitate a revision of the financial aid award(s). This includes, but is not limited to, any private scholarships or third party tuition payment/waivers;
- 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 complete an entrance interview for a Federal Stafford Loan if they are a first time borrower 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-688 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;
- A male applicant must be registered with Selective Service, if applicable.

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.);
- Maintain a current e-mail and mailing address on myUCF at all times at <https://my.ucf.edu>;
- 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. Choosing a lender does not obligate the student to accept a loan, but will make it easier if additional funds are needed;
- Respond promptly to all information requests;
- If there are extenuating circumstances or problems at anytime, call the appointment line, 407-823-5285, to meet with a counselor;
- Comprehensive information can be found on the Web site: <http://finaid.ucf.edu>.

School Costs

Estimated student budgets have been developed as a guide to help students anticipate their costs at UCF.

Estimated Cost of Attendance for 2008-2009 Undergraduate Students

Fall/Spring based on 14 hours per term

| Living Arrangement | Florida Residents | | Non-Florida Residents | |
|--------------------|-------------------|-----------------|-----------------------|-----------------|
| | On/Off Campus | Parent/Relative | On/Off Campus | Parent/Relative |
| Tuition and Fees | \$3,614 | \$3,614 | \$17,530 | \$17,530 |
| Books | 924 | 924 | 924 | 924 |
| Room & Board | 8,140 | 4,450 | 8,140 | 4,450 |
| Transportation | 1,800 | 1,800 | 1,800 | 1,800 |
| Personal Expenses | <u>2,276</u> | <u>2,276</u> | <u>2,276</u> | <u>2,276</u> |
| Total Costs | \$16,754 | \$13,064 | \$30,670 | \$26,980 |

Financial Aid Programs Available at UCF

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

Grants are considered gift aid and do not have to be repaid. Only undergraduate students who have not previously received a bachelor's degree and who demonstrate financial need are 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 receive federal loans.

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

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

Award Notification

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

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

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

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

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

Deferrals of Tuition and Fees

Financial aid awards will normally result in a deferment of tuition and fee payments. Deferments allow for the time lag that normally occurs between the date that tuition and fees are due and the date on which financial aid disbursements are made, which is normally two to three weeks after the term begins. Students are responsible to pay any amount owed to the university that is not covered by estimated aid and/or other resources by the payment deadline. The deferment process occurs automatically if the student is meeting all general eli-

| | Deadline | Minimum Credit Hrs. Required | Available to Graduate Students | Second Undergraduate Degree Seeking |
|--|-------------------|------------------------------|----------------------------------|-------------------------------------|
| Federal Pell Grant Students must be considered for a Federal Pell Grant before other forms of aid will be offered; covers a maximum of two full-time semesters a year. | Varies | Prorated based on hours | No | No |
| Federal ACG (Academic Competitiveness Grant) | Varies | 12 | No | No |
| Federal SMART (National Science and Mathematics Access to Retain Talent) Grant | Varies | 12 | No | No |
| Federal SEOG (Supplemental Educational Opportunity Grant) | March 1 | 12 | No | No |
| UCF Grant | March 1 | 6 | No | No |
| FSAG (Florida Student Assistance Grants) | March 1 | 6 | No | No |
| Federal College Work Study On-campus jobs; award earned as hourly wage. Not available to post-baccalaureate students. | March 1 | 6 | Yes | Yes |
| FWEP (Florida Work Experience Program) Off-campus jobs directly related to a student's major or career goal. Students work from 25-40 hrs/week and are paid an hourly wage. Program is administered by the Cooperative Education Office. | Varies | 6 | No | No |
| Federal Stafford Loan Program Repayment may be deferred. Loan amounts vary as well as interest rates and repayments options. | Posted each term | 6 at UCF in UCF classes | Yes At least half-time at UCF | Yes |
| Federal Perkins Loans Currently are made at 5% interest rate; loans deferred until 6 or 9 months after the student graduates or drops below 1/2-time. Not available to post-baccalaureate students. | March 1 | 6 | Yes At least half-time at UCF | Yes |
| Scholarships A broad range of scholarships are available through federal, state, institutional, and private sources. Each has different eligibility criteria. Consult the "Scholarship" online listing for more information. Inquire about ROTC scholarships at the ROTC office. | Varies year round | Varies | Yes | Yes |
| Federal Unsubsidized Stafford Loans These loans operate under the same terms as subsidized Federal Stafford Loans except that financial need is not necessary. In addition, the student is responsible for the payment of interest as it accrues, (alternatively the interest can be capitalized into the loan balance). | Posted each term | 6 at UCF in UCF classes | Yes At least half-time at UCF | Yes |
| Federal Parent Loans for Undergraduate Students (PLUS) These are loans that parents take out on behalf of their children (student must be dependent for financial aid purposes). | Varies | 6 at UCF | No | Yes |

gibility requirements and has enrolled in sufficient hours for the financial aid program/s. Please refer to the Program Eligibility Charts on the Web site for more information. Students should use myUCF to obtain up-to-date information. Since awards are subject to change, deferments are also subject to change. Deferments based on estimated Stafford loans will be canceled prior to the beginning of the semester if the student has not completed the loan application process. Students must drop classes prior to the end of add/drop in order to not be fee liable for those classes. *If students do not drop their classes, a financial aid deferment may keep the classes active even if they are never attended.*

Disbursements

Financial aid disbursements begin the second week of each term. Students should be aware of this, so they are prepared to use their personal savings for anticipated expenses such as books and supplies at the beginning of the term. The Short Term Advance for Books is available for students to help with these expenses. The 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. Students who apply late for financial aid should be prepared to cover their own living expenses, out-of-pocket, well into the term. When financial aid disburses, the funds first apply towards university debts. The remaining balance is refunded to the student one of two ways. If a student has set up Direct Deposit on myUCF, then the refund is deposited into the student's bank account. Otherwise, a check is mailed to the student's current mailing address listed on myUCF.

Satisfactory Academic Progress (SAP)

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

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

- Complete a minimum of 70% of the attempted hours taken during the course of the year. Compliance of this requirement is checked at the end of each spring term. If students fail to meet this requirement or were not enrolled during the last monitoring period (Fall/spring), a review of total hours taken at UCF will occur to determine if a 70% completion rate was attained for all attempted UCF course work. If a student fails to pass both of these reviews, the student will be placed on Satisfactory Academic Progress cancellation status, effective the following academic year, beginning Fall term. Students on probation must meet standards each term.
- Graduate within the number of hours allowed by the Satisfactory Academic Progress policy. Students are allowed a specific number of UCF attempted hours, based on their academic level at the time of admission to UCF. *(see chart next page)*
- For detailed SAP policy information, please refer to the Office of Student Financial Assistance Web site at: <http://finaid.ucf.edu>.

| CLASSIFICATION | Time Limit Allowed For Completing Degree |
|---|--|
| Undergraduate Freshman Transfer Sophomores Transfer Juniors Transfer Seniors | 180 Attempted UCF Hours 135 Attempted UCF Hours 90 Attempted UCF Hours 45 Attempted UCF Hours |
| Second Degree | 60 Attempted Hours |
| Masters | 70 Attempted Hours |
| Specialist | 100 Attempted Hours (Including all Graduate hours) |
| Doctoral | 120 Attempted Hours (Including all Graduate Hours) |

Re-establishing Eligibility after Cancellation

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

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

To appeal, the student must:

- Complete the Satisfactory Academic Progress Appeal Form; (available on the Office of Student Financial Assistance Web site at: <http://finaid.ucf.edu>, under forms).
- Attach documentation that supports specific circumstance(s) to the appeal form; and,
- Submit the appeal and the supporting documentation to the Office of Student Financial Assistance.

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

Transfer Students

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

Independent Students

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

- you are 24 years of age or older by December 31 of the award year;
- you are married at the time the original FAFSA was filed for the year;
- you are or will be enrolled in a master's or doctoral program (beyond a bachelor's degree) during the school 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 an orphan or ward of the court (or were a ward of the court until age 18);
- you are currently serving on active duty in the U.S. Armed Forces for purposes other than training; or
- 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.)

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. 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. Advisor Certification Form with all required signatures;
2. A copy of the Fee Invoice and class schedule confirming that the classes and hours enrolled match the Transient Student Form;
3. A completed Consortium Agreement Form to be completed by the transient school financial aid office.

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 UCF with academic transcripts, confirming that the attempted hours are completed. Transcripts or grades should also be submitted to the Office of Student Financial Assistance. 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. 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 Office of Student Financial Assistance is required to notify lenders 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. The situation will be reviewed and a decision will be made through the Professional Judgment process.

STUDENT TUITION AND FEES

Student Accounts Office

Associate Controller: Dan Mayo,
MH 107, 407-823-2433

General Information

The Office of Student Accounts is here to serve the students who attend the University of Central Florida by maintaining accurate financial records and communicating with students concerning their accounts.

The Student Accounts Office is responsible for:

- Tuition and Fee Assessment/Refunds (Student Accounts, MH 107)
- Processing Payments (Cashier's Office)
- Overdue payment and institutional loans collection (Loans and Collections)

Schedule of Fees*

(http://www.iroffice.ucf.edu/character/current_tuition.html)

***Note: 2008-2009 tuition and fees had not been established at the time of this publication. Rates for the 2008-2009 academic year will be available in early July 2008. 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 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.

Fee Payment Deadlines: All University tuition and fees must be paid by the published dates. Tuition and fees not paid by the payment deadline date for each term will result in late fees and could result in the cancellation of all classes.

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

Student Financial Responsibility Statement

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

2007-2008 Fee Schedule*

| Fees Per Credit Hour | Florida Resident | | Non-Florida Resident | |
|--------------------------------|---------------------------|----------------------|---------------------------|----------------------|
| | Undergraduate (0000-4999) | Graduate (5000-7999) | Undergraduate (0000-4999) | Graduate (5000-7999) |
| Tuition | \$77.39 | \$217.95 | \$77.39 | \$217.95 |
| Out-of-State | 0.00 | 0.00 | \$450.84 | \$692.63 |
| Building Fee | \$2.32 | \$2.32 | \$2.32 | \$2.32 |
| Capital Improvement Fee | \$2.44 | \$2.44 | \$2.44 | \$2.44 |
| Financial Aid Fee | \$3.86 | \$10.89 | \$3.86 | \$10.89 |
| Non-Resident Financial Aid Fee | 0.00 | 0.00 | \$22.54 | \$34.63 |
| Activity and Service Fee | \$9.65 | \$9.65 | \$9.65 | \$9.65 |
| Athletic Fee | \$11.72 | \$11.72 | \$11.72 | \$11.72 |
| Health Fee (per hour) | \$8.11 | \$8.11 | \$8.11 | \$8.11 |
| Transportation Access Fee | \$7.09 | \$7.09 | \$7.09 | \$7.09 |
| Total Per Hour Fees | \$122.58 | \$270.17 | \$595.96 | \$997.43 |

2007-2008 Repeat Course Schedule*

| Fees Per Credit Hour | Florida Resident | | Non-Florida Resident | |
|--------------------------------|---------------------------|----------------------|---------------------------|----------------------|
| | Undergraduate (0000-4999) | Graduate (5000-7999) | Undergraduate (0000-4999) | Graduate (5000-7999) |
| Tuition | \$77.39 | 0.00 | \$77.39 | 0.00 |
| Non-Resident Fee | 0.00 | 0.00 | \$450.84 | 0.00 |
| Building Fee | \$2.32 | 0.00 | \$2.32 | 0.00 |
| Capital Improvement Fee | \$2.44 | 0.00 | \$2.44 | 0.00 |
| Financial Aid Fee | \$3.86 | 0.00 | \$3.86 | 0.00 |
| Non-Resident Financial Aid Fee | 0.00 | 0.00 | \$22.54 | 0.00 |
| Activity and Service Fee | \$9.65 | 0.00 | \$9.65 | 0.00 |
| Athletic Fee | \$11.72 | 0.00 | \$11.72 | 0.00 |
| Health Fee (per hour) | \$8.11 | 0.00 | \$8.11 | 0.00 |
| Transportation Access Fee | \$7.09 | 0.00 | \$7.09 | 0.00 |
| Repeat Course Fee | \$179.88 | 0.00 | \$179.88 | 0.00 |
| Total Per Hour Fees | \$302.46 | \$0.00 | \$775.84 | \$0.00 |

Other Fees: Resident and Non-resident*

| | |
|---|-------------------------------------|
| UCF Campus Card Fee (per academic year) | \$10.00 |
| Campus (ID) Card Replacement Fee | \$15.00 |
| Material and Supply Fee (per term; approved courses only – varies per course) | \$5.00-\$45.00 |
| International Student Service Fee (per term) | \$5.00 |
| Equipment Fee (per term, for use of equipment) | up to: \$90.00** |
| **These fees are subject to change by action of the Board of Trustees. | |
| Late Registration Fee (per term) | \$100.00 |
| Late Payment Fee (per term) | \$100.00 |
| Returned Check Fees: | |
| Check amounts up to \$50.00 | \$25.00 |
| Check amounts over \$50.00 up to \$300.00 | \$30.00 |
| Check amounts over \$300.00 | \$40.00 or 5%; whichever is greater |

Zero Hour Registration: Students registering for zero credit hours pay for a minimum of one credit hour at the level they are classified. Fees are subject to change without notice.

Note: 2008-2009 tuition and fees were not available at the time of this publication. Rates for the 2008-2009 academic year will be available in early July 2008.

Payment Procedures

Payment must be received or postmarked no later than the fee payment deadlines specified to be considered on time.

Non-cash payments (checks and money orders) placed in the 24-Hour Depository by the official fee payment deadline will be considered on time. **Payments cannot be transacted by telephone.**

Acceptable forms of payment:

Cash (Main Cashier's Office)
Checks
Credit cards

E-Pay — <https://my.ucf.edu> — E-Check or credit card — nonrefundable \$10 convenience fee per transaction. Payments made at anytime on the date of the published fee payment deadline will be considered on time.

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

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

Student Tuition and Fees

Payment Locations (refer to <http://fa.ucf.edu> for office hours):

- Cashier's Office - Main Campus - MH 110 - 407-823-2614
- Cashier's Office - Brevard Campus (BCC Cocoa Campus) - BLDG 11 Room 204 - 321-433-7615
- Cashier's Office - Daytona Beach Room 105 (no cash) - 386-506-4073
- Cashier's Office - Palm Bay Room 115 (no cash) - 321-433-5187/5188
- 24-Hour Depository - Millican Hall at Reflection Pond Entrance (no cash)
- Cashier's Office - Rosen College Campus Room 201A (no cash) - 407-903-8187

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

Other Forms of Payment

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

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

Florida Prepaid College Plan

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

The standard plan will pay \$86.01 per credit hour (graduate or undergraduate level) for the 2007-2008 academic year. The plan does not cover the local fees of \$36.57 per credit hour, material/supply fees, equipment fees or the UCF ID Service and Access fee. Florida Prepaid with the local fee plan, which is indicated on the Florida Prepaid Tuition Plan card, will cover \$115.49 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 2008-2009 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 be 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's, 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 Office (MH 107) by each term's fee payment deadline. See the Academic Calendar <http://www.registrar.sdes.ucf.edu/calendar/academic/> for each term for the fee payment deadlines. **Prior to enrolling** into courses each term, refer to the Registrar's Office website at http://www.registrar.ucf.edu/State_UCF.html for eligibility requirements, course restrictions, and the waiver application form. Students may list alternate courses on their waiver form to substitute for preferred courses that are completely filled. Courses that are not listed on the waiver form cannot be waived.

UCF Employees Tuition Waiver

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's, third-attempt repeat courses and surcharges, co-ops, or applied individualized instruction in music, art, or dance, etc. Any UCF employee who uses an Employee Tuition Waiver for approved courses must submit a completed and signed Tuition Waiver Form to the UCF Student Accounts Office (MH 107) by each term's fee payment deadline. See the Academic Calendar <http://www.registrar.sdes.ucf.edu/calendar/academic/> for each term for the fee payment deadlines. **Prior to enrolling** into courses each term, refer to the Human Resources web site at <http://www.hr.ucf.edu/web/forms/benefits/tuitionwaiver.pdf> for eligibility requirements, course restrictions, and the waiver application form. Students are encouraged to list alternate courses on their waiver form to substitute for preferred courses that are completely filled. Courses that are not listed on the waiver form cannot be waived.

Tuition and Fees for Senior Citizens

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

Refund of Fees

A refund of fees will be processed under the conditions noted below. The student must submit a written appeal for a refund or other appeal action to the University within six months of the close of the semester/term 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 Add/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.

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 their checking accounts. Funds are usually available within 24-48 hours after disbursement, and enrollment only takes a few minutes. To enroll, sign in at my.ucf.edu and click on Student Self Service. Click on the Student Accounts icon, 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 Add/Drop for the term, who re-register, or who enroll for the first time that term during Late Registration and Add/Drop 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 fa.ucf.edu. Click Forms, Student Services, and Fee Appeals Petition. Students must submit their petitions to Student Accounts (MH 107) and may appear before the Committee (not mandatory). Forms faxed to Student Accounts should be addressed: Attn: Fee Appeals Coordinator, 407-823-6476.

Holds

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

Administrative Procedures Act

The University of Central Florida, under applicable rules of the Administrative Procedures Act, may change any of the announcements, information, policies, and rules, regulations or procedures set forth in the online *Web Enrollment Guide*. Statements in the *Web Enrollment Guide* may not be regarded in the nature of binding obligations on UCF 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 term or in day and evening sessions. Students should refer to the current *Undergraduate Catalog* or the *Graduate Catalog* for the complete Policy Statement.

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

3. No contrary evidence establishing residence elsewhere;
4. Documentation of dependent/independent status (notarized copy of most recent IRS tax return)

Or

Be married to 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,

Or

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

Or

Student Tuition and Fees

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

Or

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

Or

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

Or

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

Or

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

Or

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

Or

Be a qualified beneficiary under the Florida Pre-paid Post-secondary Expense Program per s.240.551(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 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. The Registrar's Office cannot review student requests for residency reclassification to be effective with the student's first term of enrollment.

To request a residency review, the student must submit a completed "Residency Reclassification Application and Affidavit" and supporting documents to the Registrar's Office (MH 161). This form is available

either at the Registrar's Office or online at <http://registrar.ucf.edu>. This form must be accompanied by all documents that support the student's Florida residency claim. Residency reclassification requests are subject to Florida Statute 1009.21, Florida State Board of Education Administrative Code 6A-10.044, and State Board of Education rule 6C-7.005. In addition, University policy requires students requesting residency reclassification to provide documentation establishing that they have income or personal sources to meet financial obligations of attendance and living expenses. Contact the Registrar's Office at 407-823-3100 for additional information regarding all residency reclassification requirements.

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

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

Students seeking residency reclassification should understand that living in or attending college in Florida does not automatically establish residency in Florida for tuition purposes. The student who comes to Florida to enroll in a Florida post-secondary educational institution as an out-of-state resident and continuously enrolls in a Florida institution normally will not meet the Florida residency requirement for in-state tuition regardless of the length of time enrolled. Living or attending school

in Florida merely 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) prior to the close of "Late Registration and Add/Drop" for the term in which Florida residency is requested. Documentation received after the last day of "Late Registration and Add/Drop" will not be used to determine residency for the current term. Approved residency reclassification **will not** be applied retroactively to previous terms.

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



ACADEMIC ADVISING

Responsibilities

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

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

Freshman (First Time in College - FTIC)

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

New FTIC Students can expect to:

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

These offices provide students with general education advising, academic exploration for undeclared students, academic support, registration assistance, and on-going information about University policies and procedures throughout the first year 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*.

- Participate in programs and advising activities that will promote a successful transition from high school to the university.
- Transition to an academic advising office within the college of the student's chosen major at the beginning of the sophomore year.

The Burnett Honors College

New students will:

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

Continuing students will:

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

College of Arts and Humanities

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

New students will:

- 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.

Continuing students will:

- 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;
- Access their SASS Degree Audit at least every term and understand all degree requirements;
- 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,
- Meet with their major/minor advisor to conduct a graduation review of major/minor requirements in the semester prior to the intended semester of graduation. After seeing the major/minor advisor and in the semester prior to the term of graduation, eligible students will receive an email from CAHSA indicating how to file their "Intent to Graduate" forms and in order to conduct a graduation review. Please refer to the academic calendar for the deadline to file your Intent to Graduate.

College of Business Administration

The College of Business Administration 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:

- Meet college advising representatives in a **group** setting during Orientation to discuss college policy, procedures, and degree programs;
- Review degree requirements at Orientation using SASS Degree Audit and catalog to better understand degree requirements and learn how to read a SASS Degree Audit;
- Meet with your advisor in the Office of Undergraduate Student Support (USS; BA2 101) during their first enrolled term to petition transfer work into their degree program;
- Meet with a faculty advisor in the department of their major to understand the career options of your major; and,
- Be advised in the USS if your major is Business Pending.

Continuing students will:

- Meet with a faculty advisor or advisors in the USS to review their academic progress and develop an academic plan. This plan should be reviewed prior to registration each term;

Academic Advising

- Pick up your SASS Degree Audit from myUCF. Check myUCF or the TV monitors for registration dates each term;
- Register at your scheduled appointment time. Register in myUCF if you are in your major. All changes to your schedule must be completed by the end of the Add/Drop period;
- Complete all prerequisites prior to admission to upper division classes; and,
- Meet with your advisor in USS during the semester/ term prior to your graduation term. File your "Intent to Graduate Form" by the end of the term prior to the term in which you plan to graduate.
- Submit a written schedule plan signed by their AAO advisor each term if you have been placed on an engineering advisement hold. This plan must be submitted in person to the CECS Academic Affairs Office each time a student uses the registration process. and,
- 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 Education

New students will:

- Meet college advising representatives in a **group** setting during Orientation to:
 - Discuss College of Education admission requirements needed for enrollment in 3000/4000 level classes
 - Review degree program requirements
 - Understand expectations and responsibilities associated with a career in education;
- Be advised by the College of Education Office of Student Affairs (ED 110) if their major is Education Pending. An appointment is recommended (407) 823-3723; and,
- Be assigned to an academic advisor in the area of their major upon completion of College of Education admission requirements. The academic advisor's name and telephone number appear on the SASS Degree Audit to assist students in making an advising appointment.

Continuing students will:

- Set up an appointment with an academic advisor **if accepted in a major** or the Office of Student Affairs, **if a "Pending" major**, to review academic progress and to develop an academic plan. Review this plan each term with an advisor prior to registration;
- View a SASS Degree Audit through myUCF;
- Register at scheduled appointment time in myUCF. Students must complete any changes to their schedules by the end of the published Add/Drop period; and,
- File an on-line "Intent to Graduate Form" by the end of the term prior to the term in which graduation is intended.

College of Engineering and Computer Science

New students will:

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

Continuing students will:

- Meet with an advisor in the CECS Academic Affairs Office or the department of their major during each term. Computer Science majors will be assigned a faculty advisor once they have passed the Computer Science Foundation Exam. Until that time, Computer Science majors will be advised by the CECS Academic Affairs Office or Computer Science Undergraduate Advising Office in HEC 246;
- 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;
- Use the flow diagram or four year plan received during Orientation to progress through the degree requirements;
- View a SASS Degree Audit, the registration time, and search for classes (once the class schedule is available) through myUCF at <https://my.ucf.edu>;
- 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/Drop period;

College of Health and Public Affairs

New students will:

Meet college advising representatives in **group** settings during Orientation to:

- Discuss degree program requirements;
- Understand career options of the major program of study;
- Plan an appropriate first semester class schedule; and,
- Meet with an advisor in the COHPA Undergraduate Student Services during the first few months of the first term to be advised toward the major.

Continuing students will:

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

College of Medicine Burnett School of Biomedical Sciences

New students will:

Meet with the Office of Student Services and Advisement (OSSA) advisors in group settings during Orientation to:

- Discuss degree program requirements;
- Understand career options of the major program of study; and,
- Plan an appropriate first semester class schedule.

Continuing students will:

- Meet with an advisor in the Office of Student Services and Advisement (OSSA) in HPA 2, room 335 every semester to check progress toward graduation and selection of program courses;
- See their faculty advisor each semester to check on possible career and research opportunities;
- 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;
- View a SASS Degree Audit, the registration time, and search for classes (once the class schedule is available) through myUCF;
- Register at the scheduled appointment time. Complete all schedule changes by the end of the published add/drop 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,
- Pre-health professional students: See Pre-Health Professions Advisor in HPA 124, 407-823-2670.

Pre-Health Professions Advisement

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

Pre-Health Professional Planning

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

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

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

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

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

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

Dates of Importance

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

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

College of Nursing

New students will:

Meet college advising representatives in **group** settings during Orientation to:

1. Discuss degree program requirements;

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

Continuing students will:

1. If **accepted in a nursing program**, students should 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, Student Support Office during the first few weeks of each semester to check progress toward eligibility for application to the major.
3. View a SASS 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, after registering for final semester courses.

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 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 SASS 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 SASS audit regarding GEP, CLEP, AP credit, Gordon Rule, university credit hour requirements, as well as policies and procedures. Questions about major requirements in the SASS audit should be directed to the department; and,
6. Check their "Fee Invoices" to ensure accuracy of their class schedule.

Graduating students will:

1. Do all of the following steps during the term prior to your term of graduation:
2. Review the COS graduation instructions available at <http://undergrad.cos.ucf.edu> (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/>.

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 SASS Degree Audit through myUCF.

Continuing students should:

1. See their faculty advisor during the first few weeks of each semester to check progress and to select a program of study;

Academic Advising

2. See a program advisor prior to registration to select courses and to make sure you are on track for graduation;
3. View a SASS 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.

Office of Undergraduate Studies Office of Interdisciplinary Studies

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

New students will:

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

Continuing students will:

1. Meet with a member of the Interdisciplinary Studies Advising Team prior to registration and/or before the beginning of each term to review progress and selection of courses and address any questions pertaining to the program;
2. Access the class schedule and SASS Degree Audit and register online during their scheduled appointment time at <https://my.ucf.edu>;

3. Meet with an advisor in the department of their minor to review progress and prior to graduation, confirm that the minor requirements have been met;
4. File an "Intent to Graduate" online through myUCF by the end of the term prior to the term in which graduation will occur; and,
5. Check their "Fee Invoices" to ensure accuracy of their class schedule.

Regional Campus System

New transfer students are given the opportunity to meet with a Professional or Faculty Advisor prior to applying to UCF and at any time while enrolled to discuss programs and requirements. Students are asked to meet in a pre-advising session prior to Orientation to determine if the student is a Regional Campus or Orlando Campus student. Orlando Campus students are asked to attend Orientation on the Orlando Campus with the College of their choice. Regional Campus students are required to attend Orientation on the Regional Campuses they plan to attend. The student will receive:

1. Information about the degree programs offered at the Regional Campus;
2. An understanding of the career options associated with their major program of study; and,
3. An appropriate program of study along with the first term class schedule.

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



TRANSFER AND TRANSITION SERVICES



Transfer and Transition Services

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

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

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

Where Can I Go For Help?

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

Transfer and Transition Services provides the following services and resources:

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

How Can a Community College Counselor or Advisor Help Me?

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

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

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

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

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

If you do not complete an A.A. at a Florida public community college or university, you must complete UCF's general education requirements, which may be considerably different from your previous institution's requirements. In addition, no grade forgiveness will be honored. All attempted credits will be averaged into your GPA for admission purposes. If you have met all the A.A. requirements except the CLAST, you should have "General Education Requirements Met" placed on your transcript to assure getting credit for meeting General

Transfer and Transition Services

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 CLAST?

Students may be admitted without completing the College Level Academic Skills Test. However, without the CLAST completed, you **are not** awarded the A.A.; privileges provided by the A.A. **are not** granted, (e.g., grade forgiveness, Gordon Rule, and the completion of general education requirements).

If you have not met the CLAST requirement, you **must** take the exam in your first term of enrollment; you **must** satisfy all four parts of the CLAST by the time you have completed 36 hours of upper-division course work. UCF accepts the CLAST 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 CLAST will continue to be an admission option for students, but does not satisfy graduation requirements. For additional information concerning the CLAST, contact the Student Academic Resource Center: 407-823-5130.

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 SASS Degree Audit, which applies earned credits toward your intended degree program. The audit provides you with an assessment of which degree requirements have been met and which remain to be satisfied. You will use the audit to schedule courses that meet your remaining requirements.

Common Program Prerequisites: To view generic course substitutions for Common Program Prerequisites that may be offered at the community colleges or other state universities, please go to: <http://files.facts.usf.edu/CommonPrereq/catalog2008/index2.htm>.

Transfer Checklist

Before Completing the A.A. or Articulated A.S.

- Y___ N___ met with a DirectConnect advisor
Y___ N___ met with counselor or advisor for graduation check
Y___ N___ completed application for graduation

Application for Admission

- ___/___/___ date submitted
Y___ N___ checked admission status at <https://my.UCF.edu>
___/___/___ date of acceptance

Transcripts

(original transcript from all institutions attended)

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

Financial Aid/Scholarship

- ___/___/___ date financial aid application (FAFSA) sent
___/___/___ date SCHOLARSHIP application sent
Y___ N___ "to do" list checked on myUCF

Housing

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

Immunization

- ___/___/___ date Student Health Form submitted
Y___ N___ need immunizations

Foreign Language Requirements (Admission)

- Y___ N___ 2 years/units earned in high school
Y___ N___ 8-10 credits earned at the college level
Y___ N___ credits to be taken at the university

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

Program (Major) Requirements

- Y___ N___ selected a major
Y___ N___ completed major prerequisites
Y___ N___ submitted limited access application
Y___ N___ met grade point average (GPA) requirements
Y___ N___ met cumulative GPA for admission to program of study
Y___ N___ met cumulative GPA in courses taken for program of study
Y___ N___ met grade requirements for designated courses
Y___ N___ met audition/portfolio/additional admission requirements
Y___ N___ completed CLAST exam or alternatives

Orientation:

- ___/___/___ Orientation date at UCF

click on II. A., and then select the individual program. Usually these courses will be substituted automatically in your audit to fulfill the correct requirement.

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

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

When Do I Pay My Bill?

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

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

Can Transfer Students Participate in The Burnett Honors College?

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



Transfer Tips:

Office Visits for Transfer Advising

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

Students should:

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

UNDERGRADUATE DEGREE REQUIREMENTS

Requirements for Graduation

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

- Fulfill the requirements for the chosen major;
- Earn a minimum of 120 unduplicated credit hours with at least a "C" average (2.0 GPA) for all UCF course work attempted. Some majors require more than 120 hours;
- Earn at least 48 of these 120 credit hours in 3000-level courses or above (upper-division);
- Earn a minimum of 30 of their last 36 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 CLAST requirement;
- Earn a minimum of nine credit hours during Summer terms, if applicable; and
- Be registered at UCF during the semester of graduation.

Degrees Awarded Posthumously

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

Choice of Catalog (Catalog Year) and Continuous Enrollment

A student must graduate under the provisions of any UCF *Undergraduate Catalog* in effect since the student began continuous enrollment at UCF. New Catalog policies and requirements take effect with the Summer term. A student transferring from Florida public community colleges 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 (including the Rosen College of Hospitality Management) must adopt the most current catalog. Additional information is included in the program descriptions. Students pursuing a single degree (including double majors and/or minors) must use a single catalog and cannot use a combination of catalogs for graduation. In cases when required courses are no longer taught by the University, the appropriate department, college, or Academic Services (MH 210) may designate a reasonable substitute. If a student desires to change the catalog for graduation, the student should first discuss with the advisors how such a change would affect University, college, and major requirements. If a student decides to request a change, he or she must submit a "Catalog Year Change Request Form" to the Registrar's Office (MH 161). This form is available at the Registrar's Office or online at <http://www.registrar.ucf.edu>.

General Education Program (GEP)

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

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

General Education Program Learning Objectives

Communications Foundation

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

Cultural and Historical Foundation

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

Mathematical Foundation

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

Social Foundation

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

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 1600C Fundamentals of Oral Communication 3(3,0)
- SPC 1016 Fundamentals of Technical Presentation 3(3,0)
- COM 1000 Communication 3(3,0)

B. Cultural and Historical Foundation 9 hours

- 1. EUH 2000 Western Civilization I ² 3(3,0)
- EUH 2001 Western Civilization II ² 3(3,0)
- HUM 2210 Humanistic Tradition I ² 3(3,0)
- HUM 2230 Humanistic Tradition II ² 3(3,0)
- AMH 2010 U.S. History: 1492-1877 ² 3(3,0)
- AMH 2020 U.S. History: 1877-present ² 3(3,0)
- WOH 2012 World Civilization I ² 3(3,0)
- WOH 2022 World Civilization II ² 3(3,0)
- 2. ARH 2050 History of Western Art I 3(3,0)
- ARH 2051 History of Western Art II 3(3,0)
- MUL 2010 Enjoyment of Music 3(3,0)
- THE 2000 Theatre Survey 3(3,0)
- FIL 1000 Cinema Survey 3(3,0)
- REL 2300 World Religions 3(3,0)
- PHI 2010 Introduction to Philosophy 3(3,0)
- LIT 2110 World Literature I PR: ENC 1102 ² 3(3,0)
- LIT 2120 World Literature II PR: ENC 1102 ² 3(3,0)

3. Take one additional course from either B1 or B2.

C. Mathematical Foundation 6 hours

- 1. MAC 1105 College Algebra ² 3(3,0)
- MGF 1106 Finite Mathematics ² 3(3,0)
- 2. CGS 1060C Introduction to Computer Science ² 3(3,0)
- STA 1060C Basic Statistics using Microsoft Excel ² 3(3,0)
- STA 2014C Principles of Statistics ² 3(3,0)

D. Social Foundation 6 hours

- 1. ECO 2013 Principles of Macroeconomics 3(3,0)
- ECO 2023 Principles of Microeconomics 3(3,0)
- POS 2041 American National Government 3(3,0)
- 2. PSY 2012 General Psychology 3(3,0)
- SYG 2000 General Sociology 3(3,0)
- ANT 2000 General Anthropology 3(3,0)

E. Science Foundation 6 hours

- 1. AST 2002 Astronomy 3(3,0)
- PSC 1121* Physical Science PR: MAC 1105 or MGF 1106 3(3,0)
- PHY 2053C College Physics I: MAC 1105 and MAC 1114 4(3,3)
- CHM 1020 Concepts in Chemistry PR: High School Algebra 3(3,0)
- 2. BSC 1005* Biological Principles 3(3,0)
- BSC 1050* Biology and Environment 3(3,0)
- GLY 1030 Geology & Its Applications 3(3,0)
- GEO 1200* Physical Geography 3(3,0)
- ANT 2511 The Human Species 3(3,0)
- MCB 1310 Intro to Biotechnology and Genetic Engineering 3(3,0)

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

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

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

Effective Date: Summer 2008

Science Foundation

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

Substitution of Courses: General Education Program and Other Requirements

The Student Academic Support System (SASS) 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 SASS Degree Audit system and then is available to the colleges and departments through the University's computer network and for the student online access through myUCF at <https://my.ucf.edu>. Appeals of transfer credit decisions should be directed to Academic Services (MH 210). Substitution requests for college or major requirements are processed within those administrative offices.

Alternate Courses: General Education Program

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

| GEP Requirement | Acceptable Substitutions |
|---|--|
| MAC 1105 (College Algebra) ¹ | MAC 1114, MAC 1140, MAC 2233, MAC 2253, MAC 2254, MAC 2311, MAC 2312, MAC 2313 |
| MGF 1106 (Finite Mathematics) | MGF 1107 |
| ECO 2013 (Macroeconomics) | Any higher level ECO course which has ECO 2013 as a prerequisite |
| ECO 2023 (Microeconomics) | |
| PHY 2053C (Physics) | PHY 2048, PHY 2049, PHY 2054C, PHY 2014C, PHY 5015C |
| CHM 1020 (Chemistry) | CHM 2045C, CHM 1032, CHS 1440, CHM 2040C & CHM 2041C |
| BSC 1005 or BSC 1050 (Biology) ¹ | BSC 2010C |
| GEO 1200 (Geography) | GEO 2370 |
| CGS 1060C (Intro to Computer) ¹ | CGS 2100C, COP 2200, COP 2500C, COP 3502C, COT 3100C; |
| STA 2014C (Statistics) | STA 2023, STA 3032 |
| THE 2000 (Theatre) | THE 2020 |
| FIL 1000 (Cinema Survey) | FIL 2030, FIL 3401, FIL 3402 |
| MUL 2010 (Enjoyment of Music) ¹ | MUH 2017, MUH 2019, MUH 3212, MUL 2016, MUL 2720 |

¹For all of the acceptable substitutions in this GEP requirement, a grade of "C-" (1.75) or better satisfies three hours of the Gordon Rule requirement.

Diversity Requirement

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

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

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

DEGREE REQUIREMENTS

Undergraduate Degree Requirements

Education Courses:

| | |
|-----------|------------------------------------|
| ENC 1102 | Composition II |
| SPC 1600C | 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 |
| AML 3283 | Contemporary American Women's Fiction |
| AML 3615 | Harlem, Haiti, and Havana |
| ANT 3245 | Native American Religions |
| ASH 4304 | Women China |
| CCJ 4463 | Cultural Diversity in Criminal Justice |
| CCJ 4670 | Women and Crime |
| CJE 4174 | Comparative Justice Systems |
| COM 4014 | Gender Issues in Communication |
| COM 4461 | Intercultural Communication |
| CPO 3034 | Politics of Developing Areas |
| EDG 2701 | Teaching Diverse Populations |
| GEO 3471 | World Political Geography |
| JST 3401 | History of the Jewish People I |
| JST3402 | History of the Jewish People II |
| LIN 4643 | Cross Cultural Communication |
| LIN 4XXX | African-American Styles of Communication |
| LIT 3682 | Ethnic Literature in America |
| LIT 3192 | Caribbean Literature |
| MMC 4300 | International Media |
| MUL 2720 | Music of the World |
| NUR 3805 | Transitional Concepts in Nursing I |
| PAD 4446 | Multiculturalism in Public Administration |
| PLA 4020 | Law and Society |
| PLA 4830 | World Legal Systems |
| PLA 4XXX | Employment Discrimination |
| POS 3627 | Cultural Pluralism and Law |
| PUP 3325 | Women and Politics |
| POS4622 | Politics and Civil Rights |
| PUP 3314 | Minority Politics |
| PUP 4204 | Sustainability |
| SOW 3620 | Social Work with Minorities |
| SPW 4772 | Black Presence in Contemporary Latin America |
| SYD 3800 | Sex Roles in Modern Society |
| SYP 4732 | Minority Aging |
| THE 3230 | Commonality within Cultural Diversity Experienced through Theater |
| WST 3561 | Third Wave Feminism |
| WST 3015 | Introduction to Women's Studies |

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

Exit Exams

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

Foreign Language Proficiency Requirement (Bachelor of Arts Degree)

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

Placement in Language Course

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

- Native speakers or students who have completed appropriate advanced foreign language education abroad will be considered to have satisfied the requirement.

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

- This requirement is for proficiency and not a requirement for a particular number of hours of course work. For example, successful completion of only SPN 1121C (Elementary Spanish Language and Civilization II) would satisfy the B.A. requirement. Appropriate scores on Advanced Placement and CLEP examinations will also satisfy the requirement.
- This is a University-wide requirement for all B.A. majors.
- The Testing Administrator of the University Testing Center will offer the Foreign Language Proficiency Examination throughout each term. Students must register in advance with that office to take the examination (PH 106).
- The foreign language proficiency requirement does not apply to students seeking a second baccalaureate degree.
- 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) Statistics or computer science |

Any 3000-level or above course in mathematics, statistics, or computer science also may be used toward fulfillment of the mathematics portion of the "Gordon Rule" Requirement.

| | |
|--|--|
| 2. Six hours of English coursework and six hours of additional coursework with significant college level writing | (1) Six hours of English Composition (2) Specifically identified courses and those from the following list: |
|--|--|

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

| | |
|----------|----------------------------|
| ENC 1101 | Composition I |
| ENC 1102 | Composition II |
| LIT 2110 | World Literature I |
| LIT 2120 | World Literature II |
| AMH 2010 | U.S. History: 1492-1877 |
| AMH 2020 | U.S. History: 1877-Present |
| EUH 2000 | Western Civilization I |
| EUH 2001 | Western Civilization II |
| HUM 2210 | Humanistic Tradition I |
| HUM 2230 | Humanistic Tradition II |
| WOH 2012 | World Civilization I |

| | |
|---|---|
| WOH 2022 | World Civilization II |
| BSC 2010C | Biology I |
| Non-Gen Ed courses that also apply to the Gordon Rule Writing Requirement: | |
| All Courses with an AML, ENC, ENG, ENL, and LIT prefix | |
| AMH 3402 | History of the South to 1865 |
| AMH 3403 | History of the South Since 1865 |
| AMH 3441 | History of the Frontier: Eastern America |
| AMH 3442 | History of the Frontier: Western America |
| AMH 3541 | U. S. Military History To 1900 |
| AMH 3561 | Women in American History I |
| AMH 3571 | Black American History I |
| AMH 3800 | Canadian History |
| AMH 4110 | Colonial America, 1607-1763 |
| AMH 4130 | The Age of the American Revolution, 1763-1789 |
| AMH 4140 | Jeffersonian America |
| AMH 4160 | Jacksonian America |
| AMH 4170 | Civil War and Reconstruction |
| AMH 4201 | The Gilded Age and Progressivism |
| AMH 4231 | United States History: 1914-1939 |
| AMH 4270 | United States History: 1939-1960 |
| AMH 4311 | American Culture I |
| AMH 4313 | American Culture II |
| AMH 4510 | Rise of the United States to World Power, 1776-1914 |
| AML 3031 | American Literature I |
| AML 3041 | American Literature II |
| ANT 3163 | Mesoamerican Archaeology |
| ARH 4450 | 20th Century Art |
| ARH 4800 | Theory and Criticism of the Visual Arts |
| ASH 4404 | China in 19th and 20th Centuries |
| ASH 4442 | Modern Japan, 19th and 20th Centuries |
| BUL 3130 | Legal and Ethical Environment of Business |
| DAN 3134 | Dance History I |
| EAS 4700C | Aerospace Design I |
| EGN 4412C | Interdisciplinary Design I |
| EML 4501C | Engineering Design I |
| EUH 3122 | Medieval Society and Civilization |
| EUH 3142 | Renaissance and Reformation |
| EUH 3235 | Romanticism and Realism |
| EUH 3242 | Modern Europe and the First World War |
| EUH 3281 | Second World War and Rebirth of Europe |
| EUH 3411 | Ancient Rome |
| EUH 3451 | History of Modern France |
| EUH 3651 | War and Society |
| EUH 4284 | Fascism and the Totalitarian Dictatorships |
| EUH 4465 | Hitler's Third Reich |
| EUH 4500 | English History to 1485 |
| EUH 4501 | English History: 1485-1815 |
| EUH 4502 | British History: 1815-Present |
| EUH 4571 | History of Russia to 1801 |
| EUH 4574 | History of Russia: 1801-1917 |
| EUH 4576 | History of Russia in the 20th Century |
| EUH 4620 | European Great Powers: 1815-1914 |
| HIS 4150 | History and Historians |
| HUM 3320 | Contemporary Multicultural Studies |
| HUM 3394 | Representations of Place and Space |
| HUM 3401 | Asian Humanities |
| HUM 3431 | Ancient Humanities |
| HUM 3460 | Latin American Humanities |
| HUM 3553 | Moses, Jesus and Muhammad |
| JOU 2100C | News Reporting |
| JOU 3101 | Advanced Reporting |
| JOU 4181 | Public Affairs Reporting |
| JOU 4300 | Feature Writing |
| JOU 4306C | Critical Writing |
| JOU 4308 | Freelance Writing |
| LAH 3130 | Latin American History I |
| LAH 3200 | Latin American History II |
| LAH 3400 | History of Mexico and Central America |
| LAH 3470 | History of the Caribbean |
| NUR 3165 | Nursing Research |
| NUR 3805 | Transitional Concepts in Nursing I |
| PAD 4034 | The Administration of Public Policy |
| PAD 4720 | Survey Research in Public Administration |
| PHH 3100 | Ancient Philosophy |
| PHH 3200 | Medieval Philosophy |
| PHH 3460 | Modern Western Philosophy |
| PHH 3600 | Contemporary Philosophy |
| PHH 3700 | American Philosophy |
| PHI 3083 | Research Methods in Philosophy |
| PHI 3320 | Philosophy of Mind |

| | |
|-----------|---|
| PHI 3323 | Minds and Machines: Philosophy of Cognitive Science |
| PHI 3451 | Philosophy of Psychology |
| PHI 3670 | Ethical Theory |
| PHI 3800 | Aesthetics |
| PHI 3803 | Philosophy and Creativity |
| PHI 3805 | Contemporary Aesthetics |
| PHI 3941 | Philosophy Practicum |
| PHI 4221 | Philosophy of Language |
| PHI 4321 | Philosophies of Embodiment: Mind/Body/Self |
| PHI 4341 | Ways of Knowing |
| PHI 4804 | Critical Theory |
| PHI 4931 | Philosophy in the News |
| PHM 3401 | Philosophy of Law |
| PHP 3781 | African-American Philosophy |
| PHP 4782 | Phenomenology |
| PLA 3155 | Legal Writing |
| PLA 4935 | Capstone: Legal Issues |
| REL 3131 | Religion in America |
| REL 3432 | Roots of Western Mysticism |
| RTV 4403 | Electronic Media, Technology, and Society |
| SOW 4232 | Social Welfare Policies and Issues |
| SOW 4341 | Micro-Level Roles and Interventions in Social Work |
| THE 2304 | Script Analysis |
| TPA 4940 | Technical Theatre/Design Internship |
| TPP 3310C | Directing for Theatre I |
| TPP 4940L | Theatre Internship |

College Level Academic Skills Test (CLAST)

The College Level Academic Skills Test (CLAST) is designed to ensure that students have achieved communication and computation skills commensurate with successful completion of the lower-division coursework. All students seeking an Associate of Arts or baccalaureate degree from a state of Florida institution are required by the state of Florida to satisfy the CLAST requirement. There are several methods by which students may meet this requirement. Students who have completed 18 or more credit hours are eligible to take the CLAST. Students must complete the CLAST requirement prior to the end of their sophomore year in college. An appeal to continue enrollment may be submitted to the CLAST Petition Committee (PH 106). CLAST is given 3 times per year (February, June, and October) as established by the Commissioner of Education. Additionally, students may retake the English Language Skills, Reading, and/or Mathematics subtests of CLAST on computer at the University Testing Center, PH 106. A fee will be charged for the computer-adapted CLAST (CAT-CLAST). Information regarding preparation for the CLAST may be obtained from the Student Academic Resource Center (PH 115) at 407-823-5130. Academic advising offices can answer questions students may have regarding the CLAST. **There are several methods by which students may meet this requirement, but applicants for teacher certification must check with the College of Education to determine if they are eligible for alternatives.** Additional information regarding the CLAST 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 taken the CLAST may be restricted from future registration. Students who have not passed all four subtests of the CLAST may enroll in 36 credit hours of upper division credit. If the CLAST requirement has not been satisfied and the 36 hours of upper division credit have been registered for and/or earned, enrollment in future semesters/terms at UCF will be prohibited until the CLAST requirement has been met.

Transfer Students with more than 60 credit hours who have not taken the CLAST or who have not met the CLAST requirement may be admitted, but they must take the CLAST exam during their first term at UCF. If the CLAST requirement has not been satisfied and the 36 hours of upper division credit have been registered for and/or earned, enrollment in future semesters/terms at UCF will be prohibited until the CLAST requirement has been met.

CLAST Alternatives

Beginning January 1, 1996, the following alternatives have been approved to meet statewide requirements of the Florida CLAST. **Students who plan to major in a teacher education program must check with the College of Education to determine if they are eligible for alternatives.** Additional information regarding alternative criteria for meeting the CLAST requirement may be obtained from the University Testing Center (PH 106) or online at <http://www.testing.sdes.ucf.edu>.

Undergraduate Degree Requirements

A student who earns a cumulative grade point average of 2.5 or above, on a 4.0 scale, in postsecondary-level in English and Mathematics coursework identified by the Postsecondary Education Planning Commission, shall be exempt from the requirement for passing the CLAST subtest in question.

SAT Scores: A student who earns a quantitative score of 500 or above is exempt from the Math section of CLAST; any student who earns a verbal score of 500 or above is exempt from the English Language Skills, Reading, and Essay sections of CLAST.

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

CLAST Waiver Petitions for Student with Disabilities

Students with disabilities may request reasonable accommodations while taking the CLAST. Those who are unable to pass a subtest of the CLAST due to disability can request that a subtest be waived. The student must be registered with the Student Disability Services Office (FC 132) and have on file documentation of his or her disability. Contact the Student Success Center (PH 216) to complete a petition to waive a CLAST subtest. The CLAST 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. For CLAST Waiver petition information and forms, visit <http://www.ssc.sdes.ucf.edu>.

Summer Attendance Requirement

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

Admission to the Upper Division

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

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

Graduation Application Deadline

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

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

Correspondence Courses

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

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

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

Double Majors

Students working toward a single bachelor's degree (B.A. or a B.S. degree) may concurrently satisfy the requirements for two majors under the same catalog year and will be awarded **one** diploma with both majors indicated on the transcript. Since the requirements for Bachelor of Arts and Bachelor of Science degrees are different, a student completing a major with a B.A. **and** a major with a B.S. must satisfy the requirements for **both** the B.A. and the B.S. degrees and must use the same catalog year for both majors. Students **may not** pursue a BA/BS double major in the same major. Although both majors will be indicated on the transcript, only **one** diploma (B.A. or a B.S., at the student's option) will be awarded. A double major does not require a minimum number of hours beyond those necessary for completing degree requirements (120 or more hours), while a second baccalaureate degree has specific minimum requirements.

Double Degrees/Second Baccalaureate Degree

Any UCF student desiring to obtain two or more baccalaureate degrees must meet the requirements for each degree and earn a minimum of 150 credit hours. A separate diploma will be awarded for each degree.

Transfer 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 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.

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.

Catalog Year Requirements for Double Degrees and Double Majors

Students earning two degrees may use different catalog years for each degree. Students earning a double major must use the same catalog year for both majors.

Dual Usage of Credit Hours

Courses used to meet the requirements of an undergraduate degree typically cannot also be used to meet the requirements of a graduate program. At the discretion of the program and college, graduate programs are permitted to accept up to nine hours of graduate course work taken at UCF while an undergraduate student as part of an undergraduate program of study. Departments can provide information regarding the Accelerated Undergraduate to Graduate degree programs and the Senior Scholars program. See the *Graduate Catalog* for further information.

ACADEMIC REGULATIONS AND PROCEDURES

Registration Policies

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

Registration is available 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.sdes.ucf.edu/calendar/>

Web Enrollment Guide

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

Terms and Credit Hours

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

Undergraduate Enrollment Status

Full Time
Three Quarter Time
Half Time
Less Than Half Time

Credit Hours

12 or more
9-11
6-8
less than 6

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

Credit Hour Limits

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

Excess Hours

All students should make every effort to enroll in and complete only once those courses that are required for their major. Although educationally beneficial, selected courses, minors, (unless required for a specific major) and additional majors or degrees may require students to take excess hours. Excess hours may require students to pay an additional surcharge/fees or negatively impact eligibility for certain financial aid programs. Students should regularly review their SASS Degree Audits and consult with an academic advisor to make sure they are not enrolling in excess courses.

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 an immediate release for financial Holds, payment to the Cashier's Office must be made either in cash, credit card, cashier's check, or money order.

Add/Drop Policy

Add/Drop is the period following their initial registration when students may make class schedule adjustments (as listed in the "Academic Calendar"). Add/Drop may be done using the myUCF system (<https://my.ucf.edu>) and in the college advising offices. After the Add/Drop period, no course may be added. Courses meeting for the first time after the end of Add/Drop may be dropped the next business day in the Registrar's Office, MH 161. If a student drops courses for an entire term with the intent of not returning to UCF, they must also drop courses for any future terms. For withdrawal after the Add/Drop period, refer to the "Withdrawal Policy" of this *Undergraduate Catalog*.

Audit Registration

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

Senior Citizen Audit

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

State of Florida & UCF Employee Registration

State of Florida & UCF employee enrollment into courses for which the employee will seek a tuition waiver will occur on a space-available only basis on the last day of Registration each term at the time specified on the "Academic Calendar," online at <http://www.registrar.ucf.edu/calendar>. For waiver eligibility and application information, see "Tuition Waivers" within "Financial Information" of this *Undergraduate Catalog*.

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

State Tuition Exemption Program (STEP-National Guard) students register on a space-available basis only. Registration is on a space-available basis during the last hours of registration as noted in the "Academic Calendar" online at <http://www.registrar.ucf.edu/calendar>. STEP students must present a "Certification" letter to the Student Accounts Office (MH 107) to receive waiver of eligible fees.

Registration before the time specified in the "Academic Calendar" online at <http://www.registrar.ucf.edu/calendar> will result in the student being assessed regular fees. The tuition fee waiver cannot be used for courses that require increased costs, including, but not limited to courses offered through the Center for Continuing Education, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, co-ops, practicums, or applied, individualized instruction in music, art, or dance. Eligible members of the active Florida National Guard may receive a waiver of 50% of tuition and material and supply fees.

State University System (SUS) Florida Transient Students

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

UCF Students Attending Another Florida Public Institution

UCF students who desire to attend another Florida Public institution as a Transient Student are encouraged to complete the "Transient Student Form" online, which is available on the FACTS website at <http://www.facts.org> under Transfer Services. Students wanting to attend a Florida private institution or an institution outside the state of Florida may obtain a printed form from the UCF Registrar's Office. The prior permission of the department, school, and college advising office

Academic Regulations and Procedures

is required to ensure that the courses attempted at another institution will transfer and meet the UCF Degree/General Education Program requirements.

UCF Students Attending a Non-SUS Institution

A UCF degree-seeking student desiring to earn credit at another college or university for transfer back into a UCF degree program must obtain prior transient approval for specific courses from the Dean or Department Chair of his/her respective college or school. Transient approval of courses to be applied to the UCF General Education Program must be obtained in advance from Academic Services (MH 210). Credit earned without prior transient approval may not be accepted. Plus/minus grades will be transferred for course work earned Fall 2001 and after using UCF's grade point system. Because of graduation certification, students may not take courses in transient status during the term in which they expect to graduate. Student seeking transient status must complete the "Transient Approval Form," available from the college or school advising office or at <http://www.facts.org> and must submit the completed, approved and signed form to the Registrar's Office (MH 161). Transient credit cannot be used to reduce the last 30 semester hour residency requirement for a baccalaureate degree, the last 20 semester hour residency requirement for an Associate of Arts degree, or any departmental residency requirements.

Enrollment and Degree Certifications

Students may obtain their enrollment verification online through myUCF at <https://my.ucf.edu>. **Enrollment certification is free to currently enrolled students.** Parents, employers, background checking firms, and other third party agencies may request enrollment and degree verifications online at <http://www.degreechk.com>. A fee will be assessed for all such requests. UCF has contracted with Credentials, Inc. to provide current enrollment, degree and past attendance verifications online 24 hours a day, seven days a week. Credentials, Inc. Customer Service is available at 1-800-646-1858 between 7:00 a.m. and 7:00 p.m. CST/CDT Monday through Friday.

Withdrawal Policy

Withdrawal for each term begins after "Late Registration and Add/Drop" ends. Students may withdraw from a class and receive the notation of "W" until the date noted in the "Academic Calendar" online at <http://www.registrar.ucf.edu/calendar>. A student may withdraw from courses using myUCF at <https://my.ucf.edu>, or by visiting the Registrar's Office (MH 161), certain college advising offices, or a Regional Campus records office. Students may withdraw by fax at 407-823-5652. 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) to be dropped and his or her signature. Students 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) to be dropped 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.

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 deadline except in extraordinary circumstances such as serious medical problems. Unsatisfactory academic performance is not an acceptable reason for withdrawal after the deadline. Students seeking to petition for a late withdrawal should consult Academic Services (MH 210). At the time of the request, Academic Services will ascertain from the instructor whether the student was passing or failing 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. Medical and late withdrawals normally are for all courses taken in the term.

Students who seek late withdrawal because they are ill must apply for the withdrawal within six months of the term from which the withdrawal is sought. Students seeking a late withdrawal because of medical conditions must follow the medical withdrawal procedure. The student's physician provides the University with the appropriate medical information, using the forms available in the Office of Academic Services. A medical withdrawal must be for all classes in the term.

If a medical withdrawal is approved, a "WM" will be recorded for each course. Students who receive a medical withdrawal may be placed on hold until the University can determine that the student is ready to return. If a medical withdrawal is approved, it is expected that the student not enroll at the University in the immediately subsequent term, but will use that time to address the medical condition that necessitated the withdrawal. 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.

Following the close of Late Registration and Add/Drop each term, students withdrawing from courses will incur both grade and fee liability. Students with circumstances determined by the University to be exceptional and beyond their control may apply for a cancellation of enrollment and an elimination of fee liability. Exceptional circumstances include, but are not limited to documented sickness, death, involuntary call to military service, or administrative errors created by the University. Students must submit a petition and all supporting documentation for a Late Drop of courses to Academic Services (MH 210; 407-823-2691) within six months of the end of the term for which the Late Drop is sought.

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

Withdrawal and Academic Behavior Violations

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

Grade System

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

| Grades | Grade Points Per Semester Hour of Credit |
|----------------|--|
| A | 4.00 |
| A- | 3.75 |
| B+ | 3.25 |
| B | 3.00 |
| B- | 2.75 |
| C+ | 2.25 |
| C | 2.00 |
| C- | 1.75 |
| D+ | 1.25 |
| D | 1.00 |
| D- | 0.75 |
| F | 0.00 |
| NC - No Credit | * |

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

| Legend | Action | Grade 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.

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.** 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 |
| | | = | 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. The student is responsible to arrange with the instructor for the completion of the requirements of the course. Effective with incomplete grades assigned in the Fall semester 1997 and thereafter, a student cannot graduate from the University with an "I" on the transcript. The incomplete must be changed within one year of the last day of the term attempted or prior to graduation from the University, whichever comes first. Unresolved incomplete grades automatically will be changed to "F" by the Registrar's Office. Unresolved "I" grades in courses graded with "S" or "U" will be converted to "U."

Grade Change

A grade change is the change of any originally assigned grade to another grade, including grades of "I" and grades earned by administrative withdrawals. 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 when 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 155; 407-823-6960) or, for athletic events only, Academic Services for Student-Athletes, Saber Center 123B; 407-823-3761.

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 155) for disciplinary action.

Student Conduct

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

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

Religious Observances

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

The student will be held responsible for any material covered during the excused absence, but will be permitted a reasonable amount of

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time to complete any work missed. Where practicable, major examinations, major assignments, and University ceremonies will not be scheduled on a major religious holy day.

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

Student Classifications

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

Freshman: 0-29 credit hours.

Sophomore: 30-59 credit hours.

Junior: 60-89 credit hours.

Senior: 90 or more credit hours, prior to completion of baccalaureate requirements.

Post-Baccalaureate:

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

Graduate:

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

Other Student Classifications:

Auditor:

A student registered for any credit course who is not seeking credit.

Co-op Student:

A student enrolled in the Center for Cooperative Education and Applied Learning Program remains a registered student during all off-campus assignment semesters. Furthermore, there is no lapse in continuity in the co-op academic calendar: a co-op student either is on assignment or attending class during each term.

Special Student:

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

Temporary:

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

Transient:

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

Limited Non-Degree Seeking:

A student earning credit, but not working on a degree program.

Provisional:

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

Academic Honors

President's Honor Roll Certificate (Full-Time Award)

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

President's Honor Roll Certificate (Part-Time Award)

The President's Honor Roll Certificate (Part-Time Award) is awarded in recognition of scholastic honors to degree-seeking undergraduate students who maintain a 4.0 GPA in two consecutive part-time terms. The student must complete at least 15 hours, with no more than 11 in each

consecutive term, excluding satisfactory/unsatisfactory course work, and not earn any "I," "U," "N," "NC" or "WF" grades during a term. Hours utilized in the awarding of a President's Honor Roll Certificate may not be utilized in the determination of a subsequent certificate.

Dean's List

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

Baccalaureate Honors and Diplomas

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

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

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

Consult the Academic Honors list at

<http://www.iroffice.ucf.edu/character/honorscutpoints.html> for the most up-to-date UCF Honors minimum GPA requirements.

Diplomas are mailed 6 to 10 weeks after Commencement to the address indicated in the online "Intent to Graduate."

Honors in the Major

Please see "Honors in the Major" in the The Burnett Honors College portion of this *Undergraduate Catalog*.

Grade Forgiveness

Grade Forgiveness offers a student the opportunity to retake a course and earn a higher grade that will be substituted for the previous lower grade and thus raise the GPA. "Grade Forgiveness Request Forms" are available in the Registrar's Office (MH 161) or on the Registrar's Web site, <http://www.registrar.ucf.edu>. Requests must be submitted no later than the **last day of Late Registration and Add/Drop** for the term/session in which the student has registered for the course being repeated. 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 always 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.

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).

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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 can 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 normally expected to complete the Florida AA degree 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. The total record will be reviewed and action on readmission will be taken by the University Registrar. **Any Disqualified student whose UCF grade point deficiency is equal to or greater than 15 grade points is not eligible for readmission.** For readmission purposes only, "grade point deficiency" is defined as the number of UCF credit hours earned with a "B" (3.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0.

Exclusion (Second Suspension or more)

A student readmitted following Disqualification who fails to achieve a minimum 2.0 GPA is excluded from the University. Exclusion is most serious and **students are not eligible for readmission after**

Exclusion (unless in the opinion of the Admissions and Standards Committee there are documented extenuating circumstances).

Earning Credit While Disqualified or Excluded

A student disqualified or excluded while a freshman or sophomore who subsequently receive an A.A. degree with a minimum "C" average (2.0 GPA) on all college work attempted from a Florida public community college has the right to 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 on the web 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 this *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 15 Grade Points

A student who has been academically Disqualified by UCF (with a grade point deficiency less than 15 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).

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- b. A "Readmission Application Form" not accompanied by the required written statement **will not** be reviewed;
2. Contact the major's department/school/college to establish a plan to complete the program of study. The student **must** obtain the department/school/ college's favorable recommendation of this plan in writing; 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 15 or more Grade Points) or Exclusion

Students who are disqualified (with a grade point deficiency of 15 grade points or more) or who have been Excluded **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.

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 limited to **one** appeal for an exception to University policy to the Admissions and Standards Committee **per 12-month period**.

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 CLAST requirements; and 4) student appeals of University academic actions, policies or standards.

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 typed page; it must be signed and dated, and include the student's UCF Personal Identification number (PID).
 - b. A "Application for Readmission as an Exception to University Policy" form not accompanied by the required written statement **will not** be forwarded to the Admissions and Standards Committee;
3. Provide documents which support and/or verify the extenuating circumstances (if applicable);
4. Supply official transcripts from all other schools attended during the suspension (if applicable);
5. Order **one** official copy of the UCF official transcript (**\$10 per copy**). The Registrar's Office will forward this transcript to the Admissions and Standards Committee;
6. Submit **ten** stapled packets of appellant materials to the Registrar's Office (MH 161) by 12:00 p.m. (noon) Monday prior to the scheduled Admissions and Standards Committee meeting. The packet **must** contain the following documents, arranged in the following order:
 - a. A completed "Application for Readmission as an Exception to University Policy Form";
 - b. Written statement indicating the extenuating reasons for the previous academic difficulties and a plan for ensuring success in future terms;
 - c. Any supporting documentation as directed by the college, school or other University personnel;
 - d. Any additional supporting documentation (optional); and
 - e. SASS 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. There is no appeal of an Admissions and Standards Committee decision.

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.); and
 - d. Complete and submit an Academic Amnesty Agreement to the Admission and Standards Committee.
- 2) The UCF Admissions and Standards Committee will determine a student's eligibility for entrance into the Academic Amnesty Program. The student will be required to appear before the Admissions and Standards Committee.

Obtain the Academic Amnesty form at <http://www.registrar.ucf.edu>.

Athletic Eligibility and Retention Committee

The Athletic Retention and Eligibility 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 twelve 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 407-648-5022. Written requests must be signed and the student identification number provided.

Transcript Requests

Requests for official transcripts are made through the Registrar's Office (in person, by mail, or by fax). "Transcript Request Forms" are also available on the Registrar's Office website at <http://www.registrar.ucf.edu>. 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 cash, check or money order (made payable to UCF), credit card, or UCF Card. Requests received by mail must be accompanied by a check, money order, or credit card information (i.e., card type, card number, 3-digit Security Number, expiration date, and the name to which the card is registered.) Cash payments can be accepted only by the Cashier's Office during that office's regular business hours. The UCF Card payment option is available only at the main Orlando campus and must be made in person at the Registrar's Office (MH 161). Mail written requests for transcripts to: Registrar's Office, Attn: Transcripts, P. O. Box 160114, Orlando, FL 32816-0114. For fax request information and payment procedures, refer to <http://www.registrar.ucf.edu> or call 407-823-3100. Transcripts may be sent electronically to other Florida public institutions. 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 1999 term and beyond are subject to an additional surcharge fee when they enroll in the same undergraduate college credit course three or more times. Completed courses, withdrawals, and courses with incomplete grades are counted as attempts, including courses repeated in order to raise the GPA or to achieve a specific grade. Courses that specify they may be repeated for credit are exempt. Students seeking exemptions for extenuating circumstances or financial hardship may submit a written petition with documentation to the Fee Appeals Committee, Student Accounts Office (MH 107).

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

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

Extenuating Circumstances

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

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

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

Financial Hardship:

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

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

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

Major, Minor, Undergraduate Certificate Policies

Policy for Undeclared Students

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

Majors

The University assigns the major that the student indicated on the "Application for Admission or Readmission." It is the student's responsibility to make appropriate major changes. Students who change majors between different colleges must adopt the most current catalog. Students changing from a declared major to an "Undeclared" or "Undecided" major also must adopt the most current catalog. For each of these students, the University automatically will update the catalog year when processing the change in major. Students may retain their catalog when changing tracks/concentrations within the same major (e.g., English: Literature to English: Creative Writing), or when moving from a "Pending" category to the equivalent major (e.g., "Business Pending" to "Accounting"). If the new major is a different subject from the "pending" major (e.g., "Business Pending" to "History"), the student must adopt the most current catalog and the University automatically will update the catalog year when processing the change in major. If they have not interrupted 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 "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. Effective Summer 2005 students may receive an undergraduate Certificate by completing all requirements for an undergraduate Certificate program. Students must be admitted in a degree seeking program to be eligible to receive an undergraduate Certificate. Certificate programs may not be taken independently of a degree program. All graduation requirements (i.e. the certificate and major/minor) must be from the same UCF *Undergraduate Catalog* for which a student is eligible. Certificates may be certified at any time during the student's undergraduate career. Some certificates may restrict awarding the certificate to time of degree completion. The undergraduate Certificate is awarded upon completion of the certificate requirements as determined by college for each specific certificate. The Undergraduate Certification form is available at the college advising offices.

Student Records

Student records submitted become the property of the University and cannot be returned to the student or released to a third party. Copies of student records will be released only upon receipt of a written request signed by the student. Student records are stored in paper form or are digitally scanned. Once the student has been absent from the University for three academic years, all records are 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, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility; and
4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by a State University to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

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

Directory Information

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

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

All other student information will be released in accordance with FERPA; in most cases this requires the student's prior written and signed consent. The University extends to students the opportunity to withhold any or all information, including "directory information." Students can do this online at myUCF or complete the "Directory Disclosure/Release Authorization" form available at the Registrar's Office (MH 161) or online at <http://www.registrar.ucf.edu>, requesting

that this information be withheld. *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/fpc/o/>.

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 bachelors and Master's degree listed in the *Undergraduate Catalog*.

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

Advanced Placement Program (AP) (see table below)

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

Advanced Placement Language (all modern languages)

A score of 3 earns a minimum of one semester (min. 3 credits - XXX 2230 or 2200) of 2000-level language. A score of 4 or 5 earns a minimum of two semesters (min. 6 credits XXX 2230 and 2231 or XXX 2200 and 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 either study Vergil, or follow a "Latin Literature" syllabus that includes Catullus and either Horace, Ovid, or Cicero. A minimum of one semester (min. 3 credits) should be awarded for a score of 3 or higher.

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

ADVANCED PLACEMENT (AP)

| Exam | Score of 3 | GEP Usage | Score of 4 | Score of 5 | GEP Usage |
|--|---|-------------------|---------------------------------|--------------------------------|---|
| Art History | ARH 1000 | | ARH 2050 and 2051 | Same as 4 | CUL & HIS Found 2 |
| Biology | BSC 1005/1005L | SCI Found 2 | BSC 2010C | BSC 2010C and BSC 2011C | SCI Found 2 |
| Calculus AB | MAC 2311 | MAT Found 1 | Same as 3 | Same as 3 | MAT Found 1 |
| Calculus BC | MAC 2311 | MAT Found 1 | MAC 2311 and 2312 | Same as 4 | MAT Found 1 |
| Chemistry | CHM 1020 & 1020L | SCI Found 1 | CHM 2045C or CHM 2045 and 2045L | CHM 2045C and CHM 2046 & 2046L | SCI Found 1 |
| Chinese Language & Culture | CHI 2200 | | CHI 2200 and 2201 | Same as 4 | |
| Computer Science A | CGS 1075 | MAT Found 2 | Same as 3 | Same as 3 | MAT Found 2 |
| Computer Science AB | CGS 1076 | MAT Found 2 | Same as 3 | Same as 3 | MAT Found 2 |
| Economics: Macro | ECO 2013 | SOC Found 1 | Same as 3 | Same as 3 | SOC Found 1 |
| Economics: Micro | ECO 2023 | SOC Found 1 | Same as 3 | Same as 3 | SOC Found 1 |
| English Language and Composition | ENC 1101 | COM Found 1 | ENC 1101 and 1102 | Same as 4 | COM Found 1 and 2 |
| English Literature and Composition | ENC 1101 | COM Found 1 | ENC 1101 and LIT 1005# | Same as 4 | COM Found 1 and 2 or COM Found 1 and CUL and HIST Found 2 |
| Environmental Science | ISC 1051 | SCI Found 2 | Same as 3 | Same as 3 | SCI Found 2 |
| European History | EUH 1009 | | EUH 2000 and 2001 | Same as 4 | CUL and HIS Found 1 and 3 |
| French Language | FRE 2200 | | FRE 2200 and 2201 | Same as 4 | |
| French Literature | FRW 3100 | | FRW 3100 and 3101 | Same as 4 | |
| German Language | GER 2200 | | GER 2200 and 2201 | Same as 4 | |
| Government and Politics: Comparative | CPO 1002 | | Same as 3 | Same as 3 | |
| Government and Politics: United States | POS 2041 | SOC Found 1 | Same as 3 | Same as 3 | SOC Found 1 |
| Human Geography | GEO 2400 | | Same as 3 | Same as 3 | |
| Italian Language & Culture | ITA 2200 | | ITA 2200 and 2201 | | |
| Japanese Language & Culture | JPN 2200 | | JPN 2200 and 2201 | | |
| Latin: Literature | LNW 3700 | | Same as 3 | Same as 3 | |
| Latin: Vergil | LNW 2321 | | Same as 3 | Same as 3 | |
| Music Theory | MUT 1001 if composite score is 3 or higher MUT 1111 and MUT 1241 if both aural and non-aural subscores are 3 or higher | | Same as 3 | Same as 3 | |
| Physics B | PHY 2053C | SCI Found 1 | PHY 2053C and 2054C | Same as 4 | SCI Found 1 |
| Physics C: Electricity/Magnetism | PHY 2054C | SCI Found 1 | PHY 2049C | Same as 4 | SCI Found 1 |
| Physics C: Mechanics | PHY 2053C | SCI Found 1 | PHY 2048C | Same as 4 | SCI Found 1 |
| Psychology | PSY 2012 | SOC Found 2 | Same as 3 | Same as 3 | SOC Found 2 |
| Russian Language & Culture | RUS 2230 | | RUS 2230 and 2231 | Same as 4 | |
| Spanish Language | SPN 2230 | | SPN 2230 and 2231 | Same as 4 | |
| Spanish Literature | SPW 3100 | | SPW 3100 and 3201 | Same as 3 | |
| Statistics | STA 2023 | MAT Found 2 | Same as 3 | Same as 3 | MAT Found 2 |
| Studio Art: Drawing Portfolio | ART 2300C | | Same as 3 | Same as 3 | |
| Studio Art: 2-D Design Portfolio | ART 2201C | | Same as 3 | Same as 3 | |
| Studio Art: 3-D Design Portfolio | ART 2203C | | Same as 3 | Same as 3 | |
| United States History | AMH 1000 | | AMH 2010 and 2020 | Same as 4 | CUL & HIS Found 1 & 3 |
| World History | WOH 2022 | CUL & HIS Found 1 | Same as 3 | Same as 3 | CUL & HIS Found 1 & 3 |

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

Academic Regulations and Procedures

International Baccalaureate Program (see table below)

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

International Baccalaureate (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.

INTERNATIONAL BACCALAUREATE

| Exam | Score of 4 | GEP Usage | Score 5-7 | GEP Usage |
|--|----------------------|---------------------|------------------------------|---------------------|
| Biology | BSC 1005/1005L | SCI Found 2 | BSC 1005/1005L and BSC 2010C | SCI Found 2 |
| Business Management | GEB 2011 | | GEB 2011 and 2905 | |
| Chemistry | CHM 1020 and 1020L | SCI Found 1 | CHM 1020/1020L and CHM 2045C | SCI Found 1 |
| Computer Science | CGS 1078 | MAT Found 2 | CGS 1078 and 1906 | MAT Found 2 |
| Design Technology | ETI 1410 | | ETI 1410 and 1906 | |
| Economics | ECO 1000 | | ECO 2013 and 2023 | SOC Found 1 |
| Ecosystems and Societies | EVR 1017 | | EVR 1017 and 1906 | |
| English A1 | ENC 1101 | COM Found 1 | ENC 1101 and 1102 | COM Found 1 and 2 |
| Environmental Systems | ISC 1050 | SCI Found 2 | ISC 1050 and 1906 | SCI Found 2 |
| Film Studies | FIL 1001 | CUL and HIS Found 2 | FIL 1001 and 1002 | CUL and HIS Found 2 |
| French | FRE 1121C | | FRE 1121C and 2200 | |
| Further Mathematics (Advanced Mathematics) | MHF 1202 | MAT Found 1 | MHF 1202 and 1209 | MAT Found 1 |
| Geography | GEA 1000 | | GEO 1200 and 1400 | SCI Found 2 |
| German | GER 1121C | | GER 1121C and 2200 | SCI Found 2 |
| History | WOH 1030 | CUL & HIS Found 1 | WOH 1030 and WOH 1999 | CUL & HIS Found 1 |
| Information & Information Technology for a Global Society | IDS 1906 (3 credits) | | IDS 1906 (6 credits) | |
| Islamic History | ASH 1906 (3 credits) | | ASH 1906 (6 credits) | |
| Latin | LAT 2230 | | LAT 2230 and 1906 | |
| Math Methods | MAC 1105 | MAT Found 1 | MAC 1105 and 1140 | MAT Found 1 |
| Math Studies | MAT 1033 | | MAT 1033 and MGF 1106 | MAT Found 1 |
| Mathematics | MAC 1147 | MAT Found 1 | MAC 1147 and 2233 | MAT Found 1 |
| Music | MUL 2010 | CUL & HIS Found 2 | MUL 2010 and HUM 1906 | CUL & HIS Found 2 |
| Philosophy | PHI 2010 | CUL & HIS Found 2 | PHI 2010 and 1906 | CUL & HIS Found 2 |
| Physics | PHY 1020C | SCI Found 1 | PHY 2053C and 2054C | SCI Found 1 |
| Psychology | PSY 2012 | SOC Found 2 | PSY 2012 and 1906 | SOC Found 2 |
| Social Anthropology* | ANT 2410 | SOC Found 2 | ANT 2410 and 1906 | SOC Found 2 |
| Spanish | SPN 1121C | | SPN 1121C and 2230 | |
| Theatre Arts | THE 2000 | CUL & HIS Found 2 | THE 2000 and 1906 | CUL & HIS Found 2 |
| Visual Arts | ART 1012 | | ART 1012 and 1906 | |

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

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

| | Scale Score of 50 for passing | GEP Usage | Comments |
|---|-------------------------------|------------------------|--|
| Accounting, Financial | ACG 1001 | | |
| Accounting, Principles of | ACG 1001 | | |
| Algebra, College | MAC 1105 | MAT Found 1 | |
| Algebra-Trigonometry, College | MAC 2147 | MAT Found 1 | |
| American Government | POS 2041 | SOC Found 1 | |
| American Literature | AML 1000 | CUL & HIS Found 2 | |
| Biology, General | BSC 1005 | SCI Found 2 | |
| Business Law, Introduction to | BUL 1241 | | |
| Calculus | MAC 2233 | MAT Found 1 | |
| Chemistry, General | CHM 1020 | SCI Found 1 | |
| Educational Psychology, Introduction to | EDP 1002 | | |
| English Composition with Essay | ENC 1101 | COM Found 1 | |
| English Literature | ENL 1000 | CUL & HIS Found 2 | |
| French Language | FRE 1120C | | Score of 62 or higher earns FRE 1120C and 1121C |
| German Language | GER 1120C | | Score of 63 or higher earns GER 1120C and 1121C |
| History of the United States I: Early Colonizations to 1877 | AMH 2010 | CUL & HIS Found 1 or 3 | |
| History of the United States II: 1865 to Present | AMH 2020 | CUL & HIS Found 1 or 3 | |
| Human Growth and Development | DEP 2004 | | |
| Humanities | HUM 2250 | | |
| Information Systems and Computer Applications | CGS 1077 | MAT Found 2 | |
| Macroeconomics, Principles of | ECO 2013 | SOC Found 1 | |
| Management, Principles of | MAN 2021 | | |
| Marketing, Principles of | MAR 2011 | | |
| Mathematics, College | MGF 1106 | MAT Found 1 | |
| Microeconomics, Principles of | ECO 2023 | SOC Found 1 | |
| Precalculus | MAC 1140 | MAT Found 1 | |
| Psychology, Introductory | PSY 2012 | SOC Found 2 | |
| Sociology, Introductory | SYG 2000 | SOC Found 2 | |
| Spanish Language | SPN 1120C | | Score of 63 or higher earns SPN 1120C and 1121C |
| Trigonometry | MAC 1114 | MAT Found 1 | |
| Western Civilization I: Ancient Near East to 1648 | EUH 2000 | CUL & HIS Found 1 or 3 | |
| Western Civilization II: 1648 to Present | EUH 2001 | CUL & HIS Found 1 or 3 | |

Language B (most common)

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

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

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

CAMBRIDGE AICE EXAMS

| Exams | Passing score of "A", "B", "C", "D" or "E" | GEP Usage |
|---|--|-----------------------------------|
| Accounting (AS-Level) | ACG 1001 | |
| Accounting (A-Level) | ACG 1001 and ACG 1906 | |
| Art and Design (AS-Level) | ART 1906 | |
| Art and Design (A-Level) | ART 1906 and ART 1907 | |
| Biology (AS-Level) | BSC 1005/1005L | SCI Found 2 |
| Biology (A-Level) | BSC 2010C and BSC 1906 | SCI Found 2 |
| Business Studies (AS-Level) | GEB 2011 | |
| Business Studies (A-Level) | GEB 2011 and GEB 2905 | |
| Chemistry (AS-Level) | CHM 1020/1020L | SCI Found 1 |
| Classical Studies (AS-Level) | CLA 1010 | |
| Chemistry (A-Level) | CHM 1020C and CHM 2045C | SCI Found 1 |
| Computing (AS-Level) | CGS 1073 | MAT Found 2 |
| Computing (A-Level) | CGS 1073 and CGS 1074 | MAT Found 2 |
| Design & Technology (AS-Level) | ETI 1482C | |
| Design & Technology (A-Level) | ETI 1482 and ETI 1906 | |
| Economics (AS-Level) | ECO 1000 | |
| Economics (A-Level) | ECO 2013 and ECO 2023 | SOC Found 1 |
| English (AS-Level) * | ENC 1101 | Found 1 |
| English - Literature in English (A-Level) # | ENC 1101 or ENC 1102 | COM Found 1 or COM Found 2 |
| Environmental Science (AS-Level) | EVR 1001C | SCI Found 2 |
| French Language (AS-Level) | FRE 1121C | |
| French (A-Level) | FRE 1121C and FRE 2200 | |
| French Literature (AS-Level) | FRW 3100 | |
| Further Mathematics (A-Level) | MAC 2311 and MAC 2312 | MAT Found 1 |
| General Paper | IDS 1110 | |
| Geography (AS-Level) | GEA 1000 | |
| Geography (A-Level) | GEO 1200 and GEO 1400 | SCI Found 2 |
| German Language (AS-Level) | GER 1121C | |
| German (A-Level) | GER 1121C and GER 2200 | |
| History (AS-Level) | HIS 1906 (3 credits) | Subject to review by History Dept |
| History (A-Level) | HIS 1906 (6 credits) | Subject to review by History Dept |
| Latin (AS-Level) | LAT 1121C | |
| Marine Science (AS-Level) | OCE 1001 | |
| Marine Science (A-Level) | OCE 1001 and OCB 1000 | |
| Mathematics (AS-Level) | MAC 1147 | MAT Found 1 |
| Mathematics (A-Level) | MAC 2311 | MAT Found 1 |
| Music (AS-Level) | MUH 1001 | |
| Music (A-Level) | MUH 1001 and 2011 | |
| Physics (AS-Level) | PHY 1020C | SCI Found 1 |
| Physics (A-Level) | PHY 2053C and 2054C | SCI Found 1 |
| Psychology (AS-Level) | PSY 2012 | SOC Found 2 |
| Psychology (A-Level) | PSY 2012 and PSY 1906 | SOC Found 2 |
| Sociology (AS-Level) | | |
| Sociology (A-Level) | SYG 2000 | SOC Found 2 |
| Spanish Language (AS-Level) | SPN 1121C | |
| Spanish (A-Level) | SPN 2230 and SPN 2231 | |
| Thinking Skills (AS-Level) | PHI 1103 | |
| Thinking Skills (A-Level) | PHI 1103 and 1906 | |
| Travel and Tourism (AS-Level) | HFT 1000 | |
| Travel and Tourism (A-Level) | HFT 1000 and 1906 | |

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

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

Academic Regulations and Procedures

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

CLEP Language Examinations

A score of 50 on any of the language exams earns a minimum of one semester (3 credits) of Elementary Language I or equivalent level (generally numbered 1120C). A score at or above the second CLEP threshold level (currently 62 for French, 63 for German, or 66 for Spanish) earns a minimum of two semesters (6 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/q_and_s/gce_a/index.html.

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)

| Exam | Course Number | GEP Usage | Passing Grade Credit |
|------------------------------------|---------------|----------------------|----------------------|
| Art of the Western World | ARH 2000 | | 48 |
| Astronomy | AST 2002 | | 48 |
| Business Law II | BUL 2242 | | 44 |
| Business Math | QMB 1001 | | 48 |
| Criminal Justice | CCJ 1000 | | 49 |
| Environment and Humanity | EVR 1017 | | 46 |
| Ethics in America | PHI1630 | | 46 |
| Fundamentals of College Algebra | MAC 1105 | MAT Found 1 | 47 |
| Foundations of Education | EDF 1002 | | 46 |
| Fundamentals of Counseling | PCO 1202 | | 45 |
| General Anthropology | ANT 2000 | SOC Found 2 | 47 |
| Here's to Your Health | HSC 1100 | | 48 |
| History of the Vietnam War | AMH 2059 | | 44 |
| Human Resources Management | MAN 1300 | | 46 |
| Human/Cultural Geography | GEO 1400 | | 48 |
| Intro to Computing | CGS 1060 | MAT Found 2 | 45 |
| Intro to the Modern Middle East | ASH 2044 | | 47 |
| Intro to World Religions | REL 2300 | CUL and HIST Found 2 | 48 |
| Introduction to Business | GEB 2011 | | 46 |
| Introduction to Law Enforcement | CCJ 1100 | | 45 |
| Lifespan Developmental Psychology | DEP 2004 | | 46 |
| Management Information Systems | ISM 1000 | | 46 |
| Money and Banking | BAN 1501 | | 48 |
| Organizational Behavior | INP 1002 | | 48 |
| Personal Finance | FIN 1100 | | 46 |
| Physical Geology | GLY 1000 | SCI Found 2 | 46 |
| Principles of Finance | FIN 1000 | | 46 |
| Principles of Financial Accounting | ACG 1001 | | 47 |
| Principles of Physical Science I | PSC 1121 | SCI Found 1 | 47 |
| Principles of Public Speaking | SPC 1600 | COM Found 3 | 47 |
| Principles of Statistics | STA 1014 | MAT Found 2 | 48 |
| Principles of Supervision | MNA 1345 | | 46 |
| Rise and Fall of the Soviet Union | EUH 1066 | | 45 |
| Technical Writing | ENC 2210 | | 46 |
| The Civil War and Reconstruction | AMH 1056 | | 47 |

EXCELSIOR COLLEGE EXAMINATIONS TABLE

| Exam Title | Course Number (3 credits per course) | GEP Usage | Passing Grade Credit |
|------------------------------------|--|-------------|----------------------|
| Abnormal Psychology | CLP 1140 | | 45 |
| English Composition | ENC 1101 | COM Found 1 | 40 |
| Ethics: Theory and Practice | PHI 1630 | | 46 |
| Foundations of Gerontology | GEY 1000 | | 46 |
| Human Resources Management | MAN 1300 | | 44 |
| Life Span Developmental Psychology | DEP 2004 | | 45 |
| Microbiology | MCB 1000 | | 45 |
| Psychology of Adulthood and Aging | DEP 1401 | | 45 |

SPECIAL ACADEMIC PROGRAMS AND RESEARCH INSTITUTES

International Studies

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

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

Study Abroad Programs

<http://www.studyabroad.ucf.edu>

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

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

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

Student Exchanges provide the opportunity to become a student at a university abroad for one term or even a year. The longer terms allow for a more extensive experience abroad. Student exchanges require greater personal commitment, maturity and organization. Therefore, they are limited to UCF students who have attained at least a junior status and who have a minimum 3.0 GPA. Exchanges that have been offered in the past include the following: Universit'e de Angers and ICN School of Business in France; Meikai University in Japan; University of Lima in Peru; Jonkoping in Sweden; and University College Northampton in the United Kingdom.

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

Experiential Learning, Undergraduate Studies

Director: Sheri Dressler; Ferrell Commons, Suite 203;
(407) 823-2667
<http://www.explearning.ucf.edu/>

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



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

The Experiential Learning department instructs cooperative

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

- Internships are available to students on all campuses in all Colleges. They are courses that provide one-term of major or career -related work experience, structured for learning with reflection, supervision and evaluation, paid or unpaid, and most often for credit. Internships usually occur toward the end of a student's program of study and can be part-time (usually during the school year) or full-time (usually during summers). They are available through the Experiential Learning department or through other academic departments in Colleges. Contact information for department internship coordinators is on the Experiential Learning website.
- Co-op opportunities are available to students on all campuses in all Colleges. They are courses that provide a series of progressively responsible internships, always major- or career-related, paid, and multiple terms with progressively responsible duties. They are either part-time around class schedules (parallel) or full-time alternating terms (alternating), structured for learning with

Special Academic Programs and Research Institutes

reflection, supervision and evaluation, and available for non-credit or credit when it will count in a student's academic program.

- Service-Learning is a means of incorporating experiential learning into academic courses so that students learn course content 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 four service-learning courses.

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

National Consortium for Academics and Sports (NCAS)

Director: Suzi Katz; BA2 113; 407-823-5243
<http://www.ncasse.org>

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

Division of Continuing Education

Assistant Vice President/Director: J. Patrick Wagner; 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. In partnership with the academic, business, and professional communities, DCE provides local, state, national and international clients with high quality, affordable, credit/noncredit educational programs and services. DCE clients include degree students, area professionals, K-12 students, domestic and international corporations, and local/state/federal government.

Off-Campus College Credit Programs

Assistant Vice President/Director: J. Patrick Wagner; University Tech Center, 12565 Research Parkway, Suite 390; 407-882-0260; Fax: 407-882-0244

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

Institutes and Centers for Research The Biomolecular Science Center

Director: P.E. Kolattukudy, BL 136, 407-823-1312;
Fax: 407-823-0956

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

Center for Applied Human Factors in Aviation (CAHFA)

Director and Chief Scientist: Mustapha Mouloua; PH 302; 407-823-2910; Fax: 407-823-5862

The Center for Applied Human Factors in Aviation (CAHFA) has as its mission the enhancement of safety in the nation's airspace system through applied human factors research, systems design, and training strategies. Chartered in 1990, CAHFA is a research consortium established between UCF and Charter partner Embry-Riddle Aeronautical University, Daytona Beach, Florida. CAHFA's professional staff maintains offices on both campuses. The complimentary strengths of the two universities are combined to create a research resource that is without peer for solving aeronautical human factors problems. CAHFA research initiatives are targeted to significantly reduce human factors related accidents and incidents by determining the efficacy of and by developing strategies for achieving improvements in human performance.

Center for Economic Education

Director: Robert L. Pennington; BA2 303E; 407-823-2640

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

Dick Pope, Sr. Institute for Tourism Studies

Director: Abraham Pizam; 9907 Universal Blvd., Suite 231-A Orlando, FL 32819; 407-903-8010

The mission of the Dick Pope Sr. Institute for Tourism Studies is to improve the quality of the tourism product and increase the benefits of tourism for the industry, state, and local community. To this end the Institute is involved in a variety of research projects and educational programs.

The Institute's 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, economic, 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 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 in Florida and internationally, and about its contribution to the social and economic welfare of the community at large.

Executive Development Center

Associate Dean: Jai Ganesh; BA 230; 407-823-5094

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

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

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

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

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

Florida-Canada Linkage Institute

Interim Director: Angel Cardec; 407-882-2300; Fax: 407-882-0240; E-mail: fccli@mail.ucf.edu

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

Florida-Eastern Europe Linkage Institute

Interim Director: Angel Cardec; 407-882-2300; Fax: 407-882-0240; E-mail: eeli@mail.ucf.edu

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

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

Director: Marilyn Crotty; 407-235-3960, Fax 407-317-7750

The Institute of Government, an affiliate of the John Scott Dailey Florida Institute of Government, is part of the College of Health and Public Affairs and provides training and technical assistance to state and local government, governmental associations, and non-profit organizations. Training workshops, certification programs, conferences, seminars, applied research projects, citizen surveys, strategic planning, and organizational development programs are among the services offered by the Institute.

Florida Solar Energy Center (FSEC)

Director: James Fenton, 1679 Clearlake Road, Cocoa FL 32922-5703; 321-638-1007; Fax: 321-638-1010.

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

Florida Space Institute (FSI)

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

The Florida Space Institute provides unique, practice-based educational opportunities, combined with resources to design, build, and test small satellites, instruments, and payloads. Using these resources

FSI supports member schools and other educational and commercial customers, providing opportunities for student involvement in real-world space programs. FSI is a State of Florida Type I Institute headquartered at UCF, but has 10 member schools statewide. Because FSI is located at the Space Center and not on the UCF campus, the programs are embedded within the existing space environment of the Center, at both the NASA/Kennedy Space Center and the Cape Canaveral Air Force Station locations. Typical research areas include small satellite innovations, broadband optical communications, electric 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; 3100 Technology Pkwy, Orlando, FL 32826-0544; 407-882-1300; Fax: 407-882-1335; E-mail: shumaker@ist.ucf.edu <http://www.ist.ucf.edu>

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

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

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

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

IST actively assists UCF in the development of simulation-related curricula. First in the nation with a master's degree in simulation systems, the university in collaboration with IST now offers a truly multidisciplinary PhD in modeling and simulation. Both master's and doctoral programs accept applications from graduate students in computer science, digital media, psychology, engineering, mathematics, business, and related disciplines. The institute annually employs more than 80 graduate and undergraduate students in a variety of research and support positions. For many outstanding graduates, IST is a launching pad to a career in the simulation industry. A significant number of existing professionals, both in government and industry, enroll in modeling and simulation graduate programs to continue their advanced education and hone their research skills.

Special Academic Programs and Research Institutes

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; CC2 206; 407-823-5528;
E-mail: nickersn@mail.ucf.edu

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

Institute for Technical Documentation

Director: Dan Jones; CNH 303B; 407-823-5160

The Institute for Technical Documentation is a research and teaching center within the English Department. Its activities include technical communication consultation, usability evaluation and testing, and the development of communication training programs for clients. The Institute's experienced faculty and established facilities afford a strong rapport with local businesses and the capacity to assist in a wide variety of technical documentation projects and services.

Oak Ridge Associated Universities (ORAU)

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

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

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

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

Small Business Development Center (SBDC)

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

The Small Business Development Center (SBDC) is part of a statewide organization designed to promote economic development by responding to the needs of the small business community. The SBDC, as part of the College of Business Administration at the University of Central Florida, is responsible for eight counties in the Central Florida area including four Sub-Centers located at Daytona Beach Community College, Brevard Community College, Seminole Community College, and Kissimmee Chamber of Commerce. 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 provide assistance to clients in the areas of government contracting and international trade.

ACADEMIC DEGREES, MAJORS AND MINORS

Associate of Arts Degree

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

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

Baccalaureate Degrees

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

College of Arts and Humanities

Bachelor of Arts (B.A.)

Majors: Art, Digital Media, English, Film, Modern Language Combination, French, History, Humanities, Music, Philosophy, Religious Studies, Spanish, Theatre

Bachelor of Fine Arts (B.F.A.)

Majors: Art, Film, Theatre

Bachelor of Music Performance (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, Economics, Finance, General Business Administration, Management, Management Information Systems, Marketing, Real Estate

Bachelor of Arts

Major: Economics

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

College of Education

Bachelor of Science (B.S.)

Majors: Art Education, Early Childhood Education, Elementary Education, English Language Arts Education, Exceptional Student Education, Foreign Language Education, Mathematics Education, Science Education, Social Science Education, Sports and Fitness, Technical Education and Industry Training

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.Cp.E.), Computer Science (B.S.), Construction Engineering (B.S.C.E.), Electrical Engineering (B.S.E.E.), Electrical Engineering Technology (B.S.E.E.T.), Engineering Technology (B.S.E.T.), Environmental Engineering (B.S.Env.E.), Industrial Engineering (B.S.I.E.), Information Systems Technology (B.S.), Information Technology (B.S.), and 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: Cardiopulmonary Sciences, Communication Sciences and Disorders, Criminal Justice, Health Information Management, Health Sciences-Athletic Training, Health Sciences-Pre-Clinical Allied Health Track, Health Services Administration, Legal Studies, Public Administration, Radiologic Sciences

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

Major: Social Work

College of Medicine Burnett School of Biomedical Sciences

Bachelor of Science (B.S.)

Majors: Molecular Biology and Microbiology, 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, Interpersonal/Organizational Communication, International and Global Studies, Journalism, Political Science, Radio-Television, Social Sciences, Sociology

Bachelor of Science (B.S.)

Majors: Actuarial Science, Biology, Chemistry, Forensic Science, Mathematics, Physics, Psychology, Statistics

Rosen College of Hospitality Management

Bachelor of Science (B.S.)

Majors: Event Management, Hospitality Management, Restaurant and Foodservice Management

Office of Undergraduate Studies

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

Bachelor of Arts (B.A.)

Major: Interdisciplinary Studies

Bachelor of Science (B.S.)

Majors: Interdisciplinary Studies

Academic Degrees, Majors and Minors

Academic Minors by College

| College Awarding Minor | Name of Minor | College Awarding Minor | Name of Minor |
|---|--|---|---|
| College of Arts and Humanities | African American Studies, American Studies, Art History, Art Studio, Asian Studies, Cognitive Sciences, Community Arts, Dance, Digital Media, English, Film - Cinema Studies, French, German, History, Humanities, Italian, Judaic Studies, Latin American Area Studies, Medieval and Renaissance Studies, Middle Eastern Studies, Music, Philosophy, Philosophy, Religion and Popular Culture, Religious Studies, Spanish, Theatre, Women's Studies | College of Sciences | Anthropology, Anthropology in Multicultural Studies, Astronomy, Biology, Chemistry, European Studies, International and Global Studies, Interpersonal/Organizational Communication, Magazine Journalism, Mass Communication, Mathematics, North American Indian Studies, Physics, Political Science, Political Science/Prelaw, Psychology, Social Sciences-Interdisciplinary, Sociology, Statistics |
| College of Business Administration | Accounting, Business Administration (for non-Business Administration majors), Economics (for non-Business and Business majors), Entrepreneurship, Finance, International Business, Management Information Systems, Marketing (for Business and non-Business majors), Operations Management/Enterprise Systems, Real Estate (for Business and non-Business Majors), Sport Business Management (for Business Majors Only), Technology Entrepreneurship | Rosen College of Hospitality Management | Hospitality Management |
| College of Education | Coaching, Early Childhood Education, English Language Arts Education, Exceptional Education, Fitness Training, Mathematics Education, Recreation, Science Education, Social Science Education, Technical Education and Industry Training | Office of Undergraduate Studies | Environmental Studies World Comparative Studies |
| College of Engineering and Computer Science | Aerospace Studies, Bioengineering, Computer Science, Engineering Leadership, Information Technology, Interdisciplinary, Interdisciplinary Infomatics Technology, International Engineering, Military Science, Secure Computing and Networks, Space Studies, Intelligent Robotic Systems, Technology and Society | | |
| College of Health and Public Affairs | Aging Studies, American Sign Language and Deaf Studies, Communication Sciences and Disorders, Criminal Justice, Emergency Management and Homeland Security, Health Information Management, Health Sciences, Health Services Administration, Legal Studies, Nonprofit Management/American Humanities National Certification, Public Administration, Urban and Regional Planning | | |
| College of Medicine Burnett School of Biomedical Sciences | Molecular Biology and Microbiology | | |

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." Students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

Graduate Programs

See description at the beginning of each college section. For further information on a particular program or graduate fellowships, contact the departmental office in the respective college or see the *Graduate Catalog*; <http://www.graduate.ucf.edu/catalog/>.



The Burnett Honors College

Dean: Alvin Wang;
407-823-2076, Fax 407-823-6583
<http://www.honors.ucf.edu>

Assistant Dean: Martin Dupuis
Director of Administrative Services: Donna Plaisted
Director of Advising: Rex Roberts
Director of Information Systems: Andrew Holloway
Director of Research and Civic Engagement: Kelly Astro
Director of Student Affairs: Jill Norburn
Director of Student Development: TBA
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 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 pursuing distinguished careers.

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

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

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

University Honors

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

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

Students must maintain a minimum 3.2 UCF GPA and a minimum 3.0 GPA in Honors courses to remain in University Honors. In addition to meeting the GPA requirements, to graduate with University Honors the student must: 1) complete 12 hours of Honors lower-division course work¹; 2) complete the freshman Honors Symposium²; and 3) meet upper-division Honors course requirements determined by college or major³.

By the end of the second week of the term in which a student plans to graduate with University Honors, the student must file a completed "Intent to Graduate with University Honors" form with TBHC and complete an exit interview. A student who completes all of the requirements for University Honors will have the designation of "University Honors" entered on the diploma and transcript.

Summary Table of University

Honors Requirements

Symposium Lower-division Upper-division Major

IDH 1920H 4 courses See requirements by College³

The current upper-division³ requirements are as follows:

■ **University Honors Upper-Division Program Requirements: College of Arts and Humanities, College of Education, College of Sciences, Rosen College of Hospitality Management, and Medical Laboratory Sciences, Engineering Technology, and Information Technology, Information Systems Technology and Interdisciplinary Studies majors**

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

■ **University Honors Upper-Division Program Requirements: College of Business Administration**

1. Complete one Honors Interdisciplinary Seminar³
2. Complete two Honors upper-division Business courses
 BUL 3130H Honors Legal and Ethical Envir't of Business
 GEB 3356H Honors Introduction to International Business
 MAR 3023H Honors Marketing
 FIN 3403H Honors Business Finance
 MAN 3025H Honors Management of Organizations
 MAN 4720H Honors Strategic Management

Note: Please refer to the "UCF Courses and Descriptions" section of this Undergraduate Catalog for information on direct prerequisites for the above courses.

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

■ **University Honors Upper-Division Program Requirements: College of Engineering and Computer Science Excluding Computer Science, Information Technology, Information Systems Technology and Engineering Technology**

1. Complete one Honors Interdisciplinary Seminar³ outside the student's department of major (although it may be within the College of Engineering and Computer Science)
2. Complete two Honors upper-division Engineering courses
 STA 3032H Probability and Statistics for Engineers
 EGN 3310H Engineering Analysis-Statics
 EGN 3321H Engineering Analysis-Dynamics
 EGN 3373H Principles of Electrical Engineering
 EEL 4818H Machine Learning I
 EEL 4817H Machine Learning II
3. Complete the Honors Engineering Research Seminar
 EGN 4931H Honors Seminar-Research

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

■ **University Honors Upper-Division Program Requirements: Computer Science majors**

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

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

■ **University Honors Upper-Division Program Requirements: College of Health and Public Affairs (COHPA)**

1. Complete one Honors Interdisciplinary Seminar³ outside major dept.
2. Complete one Honors Interdisciplinary Seminar³ offered by COHPA
3. Complete an additional Honors Interdisciplinary Seminar³ or three credit hours of independent study

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

■ **University Honors Upper-Division Program Requirements: College of Nursing**

1. Complete one Honors Interdisciplinary Seminar³
2. Complete ZOO 3733H Honors Human Anatomy
3. Complete PCB 3703H Honors Human Physiology

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

■ **University Honors Upper-Division Program Requirements: College of Medicine excluding Medical Laboratory Sciences majors**

1. Complete one Honors Interdisciplinary Seminar³ outside the major
2. Complete two of the following Honors upper-division courses
 BSC 3404H Honors Quantitative Biological Methods
 MCB 3020H Honors Microbiology
 ZOO 3733H Honors Human Anatomy
 PCB 3703H Honors Human Physiology
 PCB 3733H Honors Molecular Biology II

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

¹ When a student has an exceptionally high number of dual enrollment, Advanced Placement, CLEP, or other work that is credited toward GEP hours, he or she should consult an Honors advisor about fulfilling Honors lower-division course work requirements.

² Honors Symposium is a mandatory two credit hour course offered for freshmen in the Fall semester of each year. This course includes guest lectures, video and film presentations, and live performances by guest artists. Freshman Honors Symposium also includes a Service Learning component.

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

Acceptable Waivers

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

UCF/USF Accelerated Medical School Program for Students of The Burnett Honors College

http://www.honors.ucf.edu/usf_medschool.html

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

Students may elect to complete a fourth year at UCF, following the more traditional pattern of four years of undergraduate coursework prior to receiving the Baccalaureate Degree, and then enter the USF College of Medicine. Students selecting this option (4+4) must com-

plete the same requirements as the accelerated (3+4) program, but also have the opportunity to take more advanced coursework and become involved in additional research activities. Students may elect to decelerate at any point prior to October 31 of the third year.

Transfer students are not eligible for this program.

Students applying for this accelerated program must select a major in one of the following fields in order to receive a Baccalaureate Degree from UCF:

- Molecular Biology and Microbiology
- Other majors are available using the 4 + 4 option

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

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

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

Eligibility Requirements

- Florida resident
- SAT score of 1300 or ACT of 29
- Unweighted high school GPA of 3.7
- Class rank (if available) top 10%
- Admission to The Burnett Honors College
- Completion of the Accelerated USF Medical School Application Form with one letter of recommendation following admission to The Burnett Honors College
- Submittal of two letters of recommendation from UCF faculty and successful USF College of Medicine interview in May at the completion of the first year
- Detailed program requirements can be found at http://www.honors.ucf.edu/usf_medschool_requirements.html

Honors in the Major

Application for admission to the Honors in the Major program will be made to TBHC following consultation by the student with the Department Chair or Honors in the Major Coordinator in the student's major department. This program is designed to encourage original and independent work by the student. Two copies of the thesis, project, or creative work will be placed in the University Library with another copy remaining in The Burnett Honors College Reading Room. An Honors in the Major Handbook outlining the procedures for completing this program is available in BHC 102 or online at <http://honors.ucf.edu/docs/HIM/himhandbook.pdf>.

Requirements for admission to Honors in the Major are: completion of at least 60 credit hours of college credit including at least 12 graded upper-division hours at the University of Central Florida; at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses regardless of institution. Students must also seek approvals by the department from which Honors in the Major is sought and from the Director of Research and Civic Engagement of TBHC.

Honors in the Major is awarded upon completion of an advanced Honors Thesis, and the completion of at least three but not more than six hours of Directed Readings course work as determined by the academic department; and at least three but not more than six 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. HIM students in the College of Health and Public Affairs may take three credit hours of Honors Directed Readings or one COHPA Honors Interdisciplinary Course. Departments or colleges may set additional requirements for Honors in the Major to be completed.

The Honors Thesis is to be completed under the direction of a committee of three faculty members, one of whom is the project or thesis Chair. It is the student's responsibility to obtain an Honors in the Major Committee Chair who will undertake the responsibility of directing the Honors Directed Readings and Thesis and, in consultation with the student, form the Honors in the Major faculty committee. The Thesis Committee Chair and at least two committee members must be tenured or tenure-earning faculty. The student is responsible for filing an application with TBHC to begin Honors in the Major, which must be signed by the Thesis Committee Chair, the Honors Coordinator of the major department, and the Director of Research and Civic Engagement of TBHC. The student must receive a grade of at least "B" in all Honors in the Major course work to be awarded Honors in the Major.

The student must file an "Intent to Graduate with Honors in the Major" form with the TBHC Office of Research and Civic Engagement by the last day of classes of the semester preceding 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. 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.honors.ucf.edu/SMART_main.html

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

Office of Student Scholarship and Fellowship Advisement

The Office of Student Scholarship and Fellowship Advisement (OSSFA) serves all UCF students who are eligible to apply for prestigious scholarships such as the Rhodes, Truman, Goldwater, and Marshall. Because TBHC is UCF's campus representative for all prestigious scholarships, applicants for scholarships that require institutional nomination must contact OSSFA prior to the application process. Students seeking detailed information about prestigious scholarships and the application process should visit <http://www.ossfa.ucf.edu>. All students who are applying for a prestigious scholarship or fellowship are encouraged to contact the OSSFA office for assistance with their applications, even if the scholarship does not require institutional endorsement. Students seeking more information should contact OSSFA in BHC 103 or by phone at 407-823-0325 prior to the application process.



College of Arts and Humanities

Dean: Jose Fernandez; CAH 190; 407-823-2251;

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

Associate Dean: Terry Frederick; CAH 190; 407-823-2251;

Assistant Dean: Paul Lartonoix; CAH 190; 407-823-2251

Director, Academic Programs: Lynn Hepner; CAH 190; 407-823-2251

The College of Arts and Humanities includes the following departments: Art, Digital Media, English, Film, Modern Languages & Literatures, History, Music, Philosophy, and Theatre. The College also houses programs in American Studies, Asian Studies, Judaic Studies, Latin American Studies, Caribbean and Latino/a Studies, Women's Studies, and Middle Eastern Studies.

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.



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.

Asian Studies - Contact: Paul Giordano, 407-823-2472

Judaic Studies - Contact: Moshe Pelli; 407-823-5039

Latin American, Caribbean and Latino/a Studies - Contact: José Maunez-Cuadra; 407-823-1173

Middle Eastern Studies - Contact: Husain Kassim; 407-823-2803

International Study Centers

Undergraduate Inter-institutional Transient Program

The State University System operates study centers in London, England and Florence, Italy during the Fall and Spring semesters.

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

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

of International Studies at 407-882-2300.

Programs, Tracks, and Degrees

| Title | Degree |
|--------------------------------|--|
| African-American Studies | Minor |
| American Studies | Minor |
| Art | BA, BFA, Minor, MFA |
| Asian Studies | Minor |
| Cinema Studies (Film) | BA, Minor |
| Community Arts - PAVE | Minor |
| Dance | Minor |
| Digital Media | BA, MA, MFA, Certificate, Minor |
| English | BA, MA, Minor, MFA, Ph.D., Certificate |
| Film | BFA |
| Modern Language Combination | BA |
| French | BA, Minor |
| German | Minor |
| History | BA, MA, Accelerated MA, Minor |
| Humanities | BA, Minor |
| Italian | Minor |
| Jazz Studies | Certificate |
| Judaic Studies | Certificate, Minor |
| Latin American Area Studies | Minor |
| Middle Eastern Studies | Minor |
| Music | BA, BM, MA, Minor |
| Music Education | BME |
| Philosophy | BA, Minor |
| Religious Studies | BA, Minor |
| Spanish | BA, MA, Minor |
| Teaching ESL | MA |
| Theatre | BA, BFA, MA, MFA, Minors in Dance, Theatre |
| Translation and Interpretation | Certificate |
| Women's Studies | Minor, Certificate |

Advisement

CAH Student Advising (CAHSA)

Director: Delia Garcia; CNH 202; 407-823-3312;

E-mail: cahsa@mail.ucf.edu

<http://www.cah.ucf.edu>

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 the College of Arts and Humanities majors should be directed to the CAHSA staff in CNH 202 or by calling 407-823-2492. Questions concerning the requirements within a major should be directed to the Department offering the degree. The student should contact the department early in his/her academic career and meet with his/her advisor for course planning every semester.

Program Planning

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

Area Studies Programs

Area Studies programs are multi-disciplinary programs that focus on specific regions or cultural groups. UCF has four area studies programs with an international focus: 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

Departments and Programs

African-American Studies: Program

Program Director: JoAnne Stephenson; CNH 201G; 407-823-0026
<http://www.cah.ucf.edu/africanamericanstudies>

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

Department of Art

Chair: Mark Price; VAB 117; 407-823-2676; E-mail: art@ucf.edu
<http://reach.ucf.edu/~art>

Faculty: Abbas, Abraham, Ahearn, Burrell, Chavda, Cooper, Cutler, Francis, Gaudnek, Hall, Haran, Haxton, Isenhour, Kim, Kovach, T. Lotz, Martin, Poindexter, Price, Reedy, Rivers, Robinson, Spencer, M. Wyatt, Zaho

The faculty in the Department of Art teach studio arts, graphic design, and art history. The curriculum in Art provides professional preparation in art history, and in the studio concentrations of animation, ceramics, drawing, graphic design, painting, photography, printmaking, and sculpture. A Bachelor of Arts is offered in art history and both the Bachelor of Arts and the Bachelor of Fine Arts degrees are offered in the studio specializations. Competitive scholarships and awards are available to currently enrolled full-time UCF art majors through portfolio reviews by faculty. These awards are sponsored by UCF and the Altrusa Club of Winter Park.

The Art Department 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 Department courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Degrees: Art (BA, BFA, MFA)
Tracks: Animation, Art History, Studio Art
Minors: Art History, Studio Art

Asian Studies: Program

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

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

Degrees: None
Tracks: None
Minors: Asian Studies

Community Arts—PAVE: Program

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

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

Degrees: None
Tracks: None
Minors: Community Arts

Department of Digital Media

Interim Chair: David Vickers; OTC5 500; 407-823-6100;
E-mail: digitalmedia@dm.ucf.edu
<http://www.dm.ucf.edu>

Faculty: Cannon-Bowers, Croft, Frederick, Friskics, Gunter, Hadrika, Hughes, Kenny, Maunez-Caudra, McDaniel, Moshell, Peters, Schatz, Smith, Story, Sung, Theen, Underberg, Wirth

Digital Media is a four-year curriculum with areas of specialization in Visual Language and Digital Interactive Systems. Basic concepts in digital technology, story and performance are fundamental to the curriculum. Strong faculty interests in digital production and entertainment, serious games, Internet issues and the development of digital media presentations via various electronic capabilities.

Digital media partnerships with several companies in the area with internships, research activities and graduate work in game development.

Degrees: Digital Media (BA, MA, MFA)
Tracks: Digital Interactive Systems and Visual Language
Minors: Minor

Department of English

Chair: TBA; CNH 405; 407-823-1159;
E-mail: english@ucf.edu
<http://www.english.ucf.edu>

Faculty: Angley, Applen, Barnes, Bartkevicius, Bell, Bowdon, Bowie, Brain, Brodtkin, Campbell, Casmier-Paz, Cato, Dombrowski, Ethridge, Flammia, Giglio, Gomrad, Grajeda, Hasanat, Hemschemeyer, Hepner, Hohenleitner, Hubbard, A. Jones, D. Jones, Kamrath, Kesler, Lillios, Logan, Marinara, Mauer, Meehan, Mohrenne, Morton, Murphy, Oliver, Owens, Pugh, Rodriguez-Milanes, Roney, Rushin, Saper, Schell, Schutz, Scott, Seidel, Smith, Spraker, Stap, Telep, Thaxton, Trouard, Wallace, Weaver, Young; Professors Emeriti: Adicks, Omans, Schiffhorst

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

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

Department of Film

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

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

Offering a four-year undergraduate curriculum, the Film Department focuses on developing a student's creative voice, appreciation and understanding of the medium. There are two programs: The BFA in production is a limited access program that stresses entrepreneurial filmmaking and the use of new technology in the production and distribution of student work. Encompassing all aspects of filmmaking from

conceptualization to distribution, this program prepares students to become effective independent filmmakers. Graduating seniors are required to complete a capstone film, script, or digital media project. Concentrations include: filmmaking, screenwriting, digital cinema. The Cinema Studies BA is a rigorous course of study in film theory, criticism and history that prepares the student for work in the industry or for Graduate Study. Community partners include: Universal Studios Florida, Panavision, Kodak, Disney-MGM Studios, and the Florida Film Festival.

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

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

Department of History

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

Faculty: C. Adams, M. Adams, Beiler, Cassanello, Clark, Crepeau, Dandrow, Downing, Farless, Fernandez, Foster, Garcia, Gordon, Greenhaw, Herlihy, Kallina, Larson, Lester, Long, Lyons, Martinez-Fernandez, O'Shea, Ozoglu, Sacher, Solonari, Walker, White, Zhang

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

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

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

Degrees: History (BA, MA, Accelerated MA)
Tracks: None
Minors: History

Judaic Studies: Program

Program Director: Professor Moshe Pelli; CNH 201;
407-823-5039 or 823-5129; E-mail: judaicst@ucf.edu
http://www.cah.ucf.edu/judaic_studies

Faculty: Hanson

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

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

Degrees: None
Tracks: None
Minors: Judaic Studies, Certificate

Latin American, Caribbean, and Latino/a Studies

Program Director: José Maunez-Cuadra; CNH 201; 407-823-1173;
E-mail: jmaunez@pegasus.cc.ucf.edu

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

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

Middle Eastern Studies: Program

Program Director: Husain Kassim; CNH 411J; 407-823-2803;
E-mail: kassim@mail.ucf.edu
Advisory Board Co-Chairs: John C. Bersia; Janan Smither

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.cah.ucf.edu/forlang/>

Faculty: Barone, Cordeiro-Rosa, Decker, Fabery, Fanai, Folse, Garcia, Giordano, Korosy, Lamboy, Leavens, Leticee, Lopez, Ludwig, Mazzucchelli, Mihai, Montalvo, Nalbone, Negy, Pomerleau, Prucha, Purmensky, Redmon, Rivera, Smith, Solis, Spina, Stebbins, Tartt, Taylor, Thompson, Trinquet, Villanueva-Ghelfa, Vitanova; Professor Emeriti: Barsch, Del-Rio, Micarelli

The Department provides instruction in Arabic, Chinese, French, German, Italian, Japanese, Latin, Portuguese, Russian, and Spanish, with majors in French, Spanish, and a Combination Major (two languages). The language combinations may consist of French, German, or Spanish as a first language, and any of these three, plus Italian, as a second language.

These programs are designed to meet the needs of students who desire competency in a language and expanded understanding of a foreign culture and literature. Students desiring to major in a foreign language must meet all the requirements for graduation as set forth by the University, the College of Arts and Humanities, and by the Department of Modern Languages and Literatures.

Degrees: French (BA), Spanish (BA, MA),
Modern Language Combination (BA), TESOL (MA)
Tracks: None
Minors: French, German, Italian, Spanish

Department of Music

Chair: Johnny Pherigo; CNH 205; 407-823-2879; Fax 407-823-3378;
E-mail: music@ucf.edu
<http://www.cah.ucf.edu/music/>

Faculty: Almeida, Batzner, Boukobza, Brodie, Brunner, Danielson, Garasi, Garcia, Gay, Greenwood, Holcomb, Hunt, Koons, Macklem, Marosi, Montague, Moore, Pherigo, Pickering, Potter, Rupert, Scharron, Stephenson, Thornton, Warfield, Weremchuk, Yonetani; *Part-Time Faculty:* Bagley, Hawkins, Hill, Hsu, Randall, Robertson, Titus

College of Arts and Humanities

The Department of Music offers a Bachelor of Music degree with options in performance and composition; a Bachelor of Arts Degree in music; and a Bachelor of Music Education Degree with specializations in instrumental, choral and elementary school music. The Music Education programs are approved by the Florida State Department of Education. Students who desire to be certified to teach in elementary and secondary schools should major in Music Education. Courses leading to teacher certification are offered cooperatively with the College of Education. The Music Department is fully accredited by the National Association of Schools of Music. Music organizations on campus include Pi Kappa Lambda, Phi Mu Alpha, Sigma Alpha Iota, Tau Beta Sigma, Kappa Kappa Psi, Student Chapters of MENC and ACDA, and Music Student Advisory Council.

Degrees: Music (BA, MA), Music Education (BME), Music Performance (BM)
Tracks: Music Performance, Composition
Minors: Music

Department of Philosophy

Chair: Shaun Gallagher; Psychology Bldg. 220; 407-823-2273;
E-mail: philosophy@ucf.edu
<http://www.cah.ucf.edu/philosophy>

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

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

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

Department of Theatre

Interim Chair: Steven Chicurel; UTC 111; 407-823-2862;
E-mail: theatre@ucf.edu
<http://theatre.ucf.edu>

Faculty: Alrutz, Boyd, Brotherton, Brown, Chicurel, Flannery, Harris, Helsinger, Huaixiang, Ingram, Lartonoix, Lee, Listengarten, McDonald, Niess, Rusnock, Scott, Seay, Shafer, Siegfried, St. Claire, Stribling, Tollefson, Vernon, Weaver, Wood, Wootton, Wuehrmann;
Professor Emeritus: Smith

The Department of Theatre seeks to develop theatre artists of the highest quality by providing a select number of students with the training, education, and experiences necessary for the successful pursuit of

professional careers in theatre arts and the entertainment industries. In support of this mission and the liberal arts goals of the College of Arts and Humanities, the department seeks to provide its students with the knowledge and skills necessary to live full, rewarding and productive lives. Offering undergraduate Bachelor of Arts and the Bachelor of Fine Arts degrees, as well as graduate Masters of Arts and Master of Fine Arts degrees, the Department of Theatre undertakes to develop and graduate theatre artists who are sensitive, aware human beings. Through its public performance programs, the department endeavors to serve as a cultural resource for the University, the community and the central Florida region. Striving to provide its students with a competitive edge, the department employs a faculty and staff of artists/teachers who work intensely with students in the classroom and in production. To supplement this education and training, professional guest artists are brought to the campus to work in production and in the classroom. Before graduation, BFA students are required to complete a professional theatre internship and MFA students are required to complete a professional residency, thus providing them with a unique and invaluable introduction to the real world of professional theatre. Internships are optional for BA students. In all its endeavors, the Department of Theatre strives to create and maintain a professional environment necessary for the continued growth and development of its students, faculty, and staff.

Degrees: Theatre (BA, BFA, MA, MFA)
Tracks: Acting, Design and Technology, Stage Management, Musical Theatre, Theatre for Young Audiences, Theatre Studies
Minors: Dance, Theatre

Women's Studies: Program

Program Director: Kathleen Oliver; CNH 411; 407-823-6502;
E-mail: womenst@ucf.edu
<http://www.cah.ucf.edu/womensstudies>

Faculty: Oliver, Preston

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

Dean: Thomas L. Keon; BA 230; 407-823-2181

Associate Dean: E. Taylor Ellis; BA2 101-W; 407-823-2187

Associate Dean: Jaishankar Ganesh; BA 230L; 407-823-5094

Associate Dean: Djehane Hosni; BA 240F; 407-823-2385

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 oppor-

tunities 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 and AA degree from a Florida Public Community College with a minimum 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.

College of Business Administration

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.

BE2010

UCF Business... the Best Undergraduate Business Education in Florida. In 1993 the UCF Business faculty established a goal to deliver the best undergraduate business education in Florida. The product of the alumni, faculty, business leaders, and students, the Business Education 2000 (BE2000) curriculum focused on four competencies that are integrated throughout all coursework: Teamwork, Communication, Creativity, and Adapting to Change. These four competencies were expanded in 2002 to include Ethics and Diversity and constitute the BE 2010 curriculum. Faculty, working with representatives from the business community, help you develop these competencies as you work through the following required courses in the Business Core:

| | |
|----------|--|
| GEB 3031 | Cornerstone |
| GEB 3356 | Introduction to International Business |
| BUL 3130 | Legal and Ethical Environments of Business |
| ECO 3411 | Quantitative Business Tools II |
| FIN 3403 | Business Finance |
| MAN 3025 | Management of Organizations |
| ISM 3011 | Essentials of Management Information Systems |
| MAR 3023 | Marketing |
| MAN 4720 | Strategic Management |

Grade Point Average Requirements

For graduation the student must have maintained a minimum 2.0 GPA in course work taken in the College of Business Administration and a minimum 2.0 GPA in the course work required in the major, and a 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 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

- Admission requirements can and do vary among the business and accounting programs at the ten universities comprising the State University System. To ensure that they have met all prerequisite course eligibility requirements, transfer students from Florida's community and junior colleges should complete the following common program prerequisites as part of their Associate of Arts degree: ACG 2021 (or ACG 2001 and ACG 2011), ACG 2071, ECO 2013, ECO 2023, MAC 2233, STA 2023, (or QMB 2100) and CGS 2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401 Business Quantitative Tools I. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission.
- 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.
- Florida Public Community College students are advised to complete the Associate of Arts Degree including:
 - The general education requirements
 - All of the common program prerequisite courses.
- Courses taken at community colleges do not substitute for upper division courses.

- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Professional courses should not be taken at a community/junior college in the areas of Accounting, Economics, Management Information Systems, Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year course areas in the College of Business Administration and cannot be satisfied with community/junior college courses.
- A minimum of 12 credit hours must be completed at UCF within each individual major and 30 hours within the UCF College of Business.

Advisement

Undergraduate Student Services

Director: Randall Brumfield; BA2 101; 407-823-2184

The Office of Undergraduate Student Services (USS) is the primary office for undergraduate assistance in the College of Business. Degree requirements, registration, and any questions concerning University and College academic policies affecting Business majors should be directed to the Office of Undergraduate Student Services staff in BA11 101 or by calling 407-823-2184. Visit USS's home page at: <http://www.bus.ucf.edu/uss/>.

Programs and Degrees

| Title | Degree |
|-----------------------------------|---------------------|
| Accounting | BSBA, MSA, MST |
| Business Administration | MBA, Ph.D. |
| Economics | BA, BSBA, MS, Ph.D. |
| Finance | BSBA |
| General Business | BSBA |
| Management Information Systems | BSBA, MS |
| Management | BSBA, MS HR |
| Marketing | BSBA |
| Business (Regional campuses only) | BABA |
| Real Estate | BSBA |

Departments and Programs

Kenneth G. Dixon School of Accounting

Director: R. Roberts, Director; BA 437; 407-823-2871
Assistant to Director: M. Hampton; BA 438; 407-823-5678
Faculty: Bobek, Dwyer, Evans, Goldwater, Judd, Kelliher, Klintworth, Lacy, Mahoney, Roberts, Roush, Savage, Smith, Vaughn, Veit, J. Welch

Mission Statement

The mission of the Kenneth G. Dixon School of Accounting is to provide high quality undergraduate, graduate, and professional educational programs responsive to the needs of students, community, and the profession. Teaching, research, and service are the means of accomplishing this mission. The School offers rigorous programs emphasizing communication skills, critical thinking, ethical practices, interpersonal skills, and technical competence preparing graduates for entrance into the accounting profession.

The School encourages intellectual contributions by faculty through instructional development, applied scholarship, and basic scholarship. The School provides service by participating in university governance, professional organizations, and professional educational programs. (Adopted by the faculty on March 4, 1993, and revised by the faculty on January 10, 1997.)

To prepare for any business career, a strong foundation in accounting and taxation will provide the variety of skills necessary to succeed in today's complex financial world. An accounting degree prepares students for entry into the fields of industrial, managerial or governmental accounting, with a strong potential for career advancement.

The objective of the baccalaureate program with a concentration in accounting is to provide basic conceptual accounting and business knowledge as a foundation for accounting career development. The undergraduate degree also is the first step toward becoming a Certified Public Accountant, Certified Management Accountant and Certified Internal Auditor. The Kenneth G. Dixon School of Accounting also offers master's degrees in accounting and taxation. These programs complete the education required to become a CPA. A rigorous and comprehensive accounting curriculum at UCF focuses on the real-world challenges of accounting, emphasizing problem solving, information analysis and computer applications.

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)

Minors: Accounting

Department of Economics

Chair: W. Milon; BA2 305-D; 407-823-3266;
E-mail: economics@bus.ucf.edu

Faculty: Braun, Buhagiar, Butterfield, Caputo, Dickie, Euzent, Gerking, Gibbs, Harrison, Hofer, Hosni, Martin, McHone, Milon, Moore, Pennington, Potter, Rutstrom, Scrogin, Soskin, Underwood, White
Faculty Advisors: R. Pennington, BA2 303-B, 407-823-2640, Email: robertp@mail.ucf.edu; U. Chakravorty, BA2 302S, 407-823-4728; N. Underwood, BA2 302N, 407-823-1403

Economic issues dominate today's news and public debates more than ever before. Inflation, unemployment, health care, economic growth, pollution, poverty, and international economic relations are a few of these issues. The primary strength of Economics is that it provides a logical, ordered way of looking at most problems and issues. Undergraduate education in Economics equips individuals to both better understand and seek solutions to these issues.

The Department of Economics participates in two undergraduate degree programs: a BSBA degree and a BA degree. The purpose of the BSBA Economics Program is to provide students with a professional business background that prepares them for careers in private business and government. The purpose of the economics BA Program is to provide a broad-based liberal arts background that can serve as a strong foundation for further graduate studies in law, social sciences, and other fields or as training for careers in politics, teaching, research, social service, and other areas. Both programs enable students to better understand the economic and non-economic issues that are confronted in their jobs and their private lives and to provide the analytical skills that will allow them to resolve them.

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

Distinctive Benefits

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

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

Minors: Economics

Department of Finance

Chair: A. Byrd; BA 409; 407-823-3575

Faculty: Ajayi, Borde, Byrd, Chen, Curcio, Choi, Dalrymple, Frye, Gatchev, Gilkeson, Gregg, Park, Ramanlal, Schnitzlein, Singer, Smith, Sweo, Strum, 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.

Distinctive Benefits

- Students prepare for career opportunities in business and corporate financial management, commercial banking, real estate, investment management and counseling, investment banking, mortgage banking, multinational business, insurance and government.
- Students who major in finance are sought by both financial and non-financial firms.
- The rapidly changing domestic and international economies need individuals who have the skills to make sound financial decisions.

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

Minors: International Business, Real Estate, Finance

Certificates: Banking, Commercial Real Estate, Investments, Real Estate Brokerage, Corporate Finance, Mortgage Brokerage, Real Estate Appraisal

General Business

Faculty Advisor: Foard Jones; BA 335; 407-823-2679

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

Degrees: General Business (BSBA, MBA, Ph.D.)

Minors: For non-Business majors

Department of Management

Chair: F. Jones; BA 335; 407-823-2679

Faculty: Ambrose, Arnaud, Barringer, Becker, Bogumil, Butcher, Callarman, Connell, C. Ford, R. Ford, Holland, Huseman, Keon, Migenes, McDonald, Putchinski, Quinn, Schminke, Sussan, Viggiano

Tomorrow's managers must be prepared to meet the challenges of a highly dynamic and rapidly changing business environment. The objective of the Management program is to prepare students for the excitement and opportunities that this presents. To learn about management, students study the processes and techniques of leadership, planning, controlling and staffing of both small and large organizations.

The curriculum is designed so that students can choose to concentrate in specialized areas of Entrepreneurship and Human Resource Management, or students can choose to major in General Management which allows them to take a broader variety of course work and prepares them for general management responsibilities.

The General Management major 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 major 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 major. 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 organisations, 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.

College of Business Administration

Degrees: Management (BSBA), Human Resources (MS)

Tracks: General Management, Entrepreneurship,
Human Resource Management

Minor: Entrepreneurship

Department of Management Information Systems

Chair: P. Cheney; BA 308; 407-823-3106, Fax 407-823-2389

Faculty: Goodman, Haynes, Hightower, Hornik, Jiang, Johnson, Leigh, McNamara, Porkh, Odisho, Saunders, Szymanski, Thienel, Tidwell, Van Slyke, West

Information systems form both the backbone and nervous system of virtually every business organization today. With the increasingly important role that information systems play in modern business organizations, the timing could not be better to enter this discipline. The objective of the Management Information Systems (MIS) program is to prepare students for exciting and challenging careers in the information systems arena.

MIS involves the study of how organizations use information and information technology to overcome problems or create opportunities. The MIS major prepares students to become problem solvers in a time when information is advertised as the "fourth factor of production," and in an era when government agencies report that one of ten information technology positions is unfilled.

The MIS major prepares students for such entry-level positions as system analysts, programmer-analysts, and database analysts by providing them with a thorough grounding in the principles of information system design and construction. The MIS curriculum includes coverage of computer programming, database design and implementation, networks and data communications, systems analysis, systems implementation, managerial decision making, and managerial aspects of organizational information systems. The strength of the major is its combination of technology skills with a thorough grounding in the principles of all the functional areas of business.

The MIS major is ideal for students who excel at solving problems and who can take responsibility for implementing their solutions in working organizational systems. Students in the program are trained to be comfortable shifting between the big picture and the detailed view of a problem and its solution. They also have their communication skills refined so that they are better able to communicate effectively as they discover the nature of the organizational problem (or opportunity), as they present their solutions, and as they manage the system implementation.

Successful MIS graduates have a variety of career options open to them, which lead to competitive salaries and travel opportunities. While many graduates join internal MIS staffs or consulting firms, there is a wide array of choices available to them. Graduates can choose between large and small companies, emerging or stable industries, and from among a multitude of career paths.

Distinctive Benefits

- Challenging field of study that rewards inquisitive students who are willing to work toward a goal.
- Student internship opportunities throughout the Central Florida region.
- An active student organization (MISA).
- Excellent job opportunities and starting salary prospects.
- Ability for graduates to apply and integrate all of the functional areas of business early in their professional careers.

Degrees: Management Information Systems (BSBA),
Master of Science, Management Information Systems (MS/MIS)

Minors: Management Information Systems, Operations
Management/Enterprise Systems

Department of Marketing

Chair: R. Michaels; BA2 307; 407-823-2108
<http://www.bus.ucf.edu/marketing/index.htm>

Faculty: Allen, Borrieci, Crowson, Das, Davis, Desiraju, Echambadi, Ganesh, Gundy, Gupta, Harris, Howatt, Jordan, Kim, Maryott, Mayfield-Garcia, Michaels, Rubin, Sooder, Stock, Whang, Yoon

The Marketing major at UCF is called *Impact Marketing 2010*, or simply *IM2010*. It provides a superior education in the foundations of marketing such as research, customer 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, sports marketing, healthcare, entertainment marketing or 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, computing, problem solving, decision-making, thinking globally, and driving change.

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, Sports 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 an 18-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, sports 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

- IM2010 program for Marketing majors recognized as one of the most innovative in the country.
- Seven certificate programs are available for Marketing majors.
- An 18-hour Marketing minor is available for students with other majors.
- Twenty-two dynamic faculty members are among the strongest teachers in the college.
- Comprehensive course offering each semester and summer - you can finish!
- Full-time faculty teach approximately 90% of undergraduate classes offered by the Department.
- 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, internships, independent projects, and directed studies.
- Opportunities to participate in national award-winning student chapters of the American Marketing Association and The Society for Marketing Professional Services (SMPS).

Degrees: Marketing (BSBA)

Tracks: Generalist, Sales

Minor: Marketing

Certificates: Selling and Sales Management, Retailing Management, e-Marketing, Sports Marketing, Healthcare Marketing, Services Marketing, Entertainment Marketing

For more information, visit <http://www.bus.ucf.edu/marketing/>, or call 407-823-2108. Department office is located in BA 353.

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

COLLEGE OF EDUCATION



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: B. Grant Hayes; 407-823-5391

Associate Dean: Rex Culp; 407-823-3906

The role of the College of Education at the undergraduate level is to provide a high-quality education for students in preparation for careers in early childhood, elementary, secondary, and exceptional education, technical education and industry training, and sports and fitness professions. The College of Education is dedicated to preparing professional educators as reflective practitioners who meet the needs of our schools and society. UCF's College of Education is the leading #1 source of education baccalaureate degrees in the State of Florida.

Art Education

Early Childhood Education

Elementary Education

English Language Arts Education

Exceptional Student Education

Foreign Language Education

Mathematics Education

Science Education

Social Science Education

Sports and Fitness

Technical Education and Industry Training

Success to Significance

- America's 100 Best Colleges of Education 2005
- Invited to join the Carnegie Corporation of New York – Teachers for a New Era
- State and National Accreditation
- Proven and promising practices
- Partnerships with eleven Central Florida school districts
- High quality teacher education programs
- Leadership in reform efforts
- Strength of faculty and students
- Broad influence in higher education community
- Access to cutting edge educational technologies
- Opportunities to become involved in professional education organizations
- State-of-the-art facilities
- UCF Academy for Teaching, Learning and Leadership
- Toni Jennings Exceptional Education Institute
- Florida's Literacy and Reading Excellence Center (FLaRE)
- Lockheed Martin Academy for Mathematics and Science
- Progress Energy Leadership Institute
- Consortium for Social Responsibility and Character in Education
- Early and continuous field experiences
- Internships with highly qualified teachers
- Infusion of multicultural education, ESOL and technology throughout classes
- Majors in Early Childhood, Elementary, Exceptional and English Language Arts Education graduate with an ESOL Endorsement

College of Education

- Graduates from state approved initial teacher preparation programs are eligible for professional teacher certification
- Transition to Mathematics and Science Teaching Program (T-MAST)
- Florida Marriage and Family Research Institute

Admission to the College of Education

Admission to the College will be granted when students meet the following requirements:

- Complete the University General Education requirements or its equivalent (i.e. an AA degree from an approved Florida community college or state university).
- Have a minimum 2.5 overall GPA; a minimum 2.75 overall GPA is required for Early Childhood Education.
- Pass all four parts of the General Knowledge Test and/or CLAST examination. It is highly recommended students take and pass the GKT in the Spring Semester of their Sophomore year.
- Complete education common program prerequisite courses with a minimum letter grade of "C-" (1.75) or better and a 2.0 GPA overall in the education common program prerequisite area.

Transfer Notes:

Courses transferred from other institutions must be evaluated for equivalency credit. The student must provide all supporting information. Students transferring from a Florida Public Community College are cautioned to pay careful attention to the General Education and Program Prerequisites sections of their intended major. Students are responsible for all ESOL assignments for UCF ESOL-infused courses that may be transferred from other institutions.

New students will:

1. Meet college advising representatives in a **group** setting during Orientation to:
 - a. Discuss College of Education admission requirements needed for enrollment in upper division education classes
 - b. Review degree program requirements
 - c. Understand expectations and responsibilities associated with a career in education
2. Be advised by the College of Education Office of Student Affairs (ED 110) if their major is Education Pending. An appointment is recommended (407) 823-3723.
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education admission requirements. The advisor's name and telephone number appear on the SASS Degree Audit and in myUCF to assist students in making an advising appointment.
4. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education based on program requirements.

Continuing students will:

1. Set up an appointment with their academic advisor **upon acceptance to their major**, or the Office of Student Affairs, **if a "Pending" major**, to review academic progress and to develop an academic plan. Review this plan each term with an advisor prior to registration;
2. View a SASS Degree Audit through myUCF;
3. Register at scheduled appointment time in myUCF. Students must complete any changes to their schedules by the end of the published Add/Drop period;
4. Utilize LiveText software based upon program requirements; and
5. File an on-line "Intent to Graduate Form" by the end of the term prior to the term in which graduation is intended.

Office of Student Affairs

Executive Director: Tina Smilie, ED 110, 407-823-3723
<http://education.ucf.edu/StudentAffairs/>

Located in the Education Complex in Suite 110, the Office of Student Affairs is dedicated to facilitating the success of students seeking advisement, assistance, and support in the College of Education. The Office of Student Affairs is composed of Clinical Experiences, Minority Programs in Education (MPIE), Student Services, and the Academic Advising Center.

Mission Statement

The mission of the College of Education Office of Student Affairs is to provide seamless services and resources to current and prospective students including recruitment, pre-advising, orientation, program

advising, financial assistance, internships, graduation certification, and graduate education. To promote student success, we collaborate with and support College of Education faculty, administrators, and community partners.

Clinical Experiences

Director: Carolyn Walker Hopp; ED 110, 407-823-2436
<http://clinicalexperiences.education.ucf.edu>

Clinical experiences provide students with a broad range of instructional experiences in various school settings developed through cooperative planning with local school district administrators and teachers. Clinical experiences are an integral part of every degree program and consist of early field experiences as well as Internship I and Internship II. Placement of students is the responsibility of the College of Education.

Students must be aware: if they have been arrested for certain crimes, they may not be able to be placed in internships and/or hired as a teacher. All school districts require fingerprinting prior to Internship I. Some school districts also require drug testing. All applications for internships are made through the office of Clinical Experiences.

Application deadlines for all Internships are:

February 15 for Fall semester
 September 15 for Spring semester

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 in the University admissions office passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test.
- It is highly recommended students take and pass the FTCE Professional Education Test before applying for Internship I.
- Possess minimum overall GPA of 2.5 (2.75 required for Early Childhood Education majors).
- Possess minimum specialization GPA of 2.5
- Possess minimum professional preparation GPA of 2.5
- Achieve a "C-" (1.75)* or better in all prerequisite methods/specialization courses. However, a minimum overall GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I (2.75 required for Early Childhood Education majors).
- 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

Internship I is a three semester hour experience. Students are assigned to work with certified supervising teachers under the direction of a university coordinator. 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.

Admission to Internship II

Internship II is a 9-12 semester hour experience (depending on the program) normally completed during the student's last semester. Internship II is considered a full-time experience. Students are permitted to enroll in other classes only with the consent of their academic program coordinator and department chair. 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 the 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 prerequisite methods/specialization courses, and a minimum GPA of 2.5* is required in the professional preparation and specialization areas. However, a minimum overall GPA of 2.5 is required in the professional, spe-

cialization and overall for admission to Internship II (2.75 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

Students must also have completed all methods courses and most of their specialization courses. Some programs require all specialization courses to be completed prior to Internship II. Students must also be approved for admission by the faculty in the department of the student's major. Internship II experience is completed locally.

*Some programs may specify a different GPA requirement for admission

Minority Programs in Education (MPIE)

TBA; ED 110; 407-823-0184

<http://education.ucf.edu/mpie/>

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

Application deadlines:

July 1 for Fall semester
November 15 for Spring semester

Student Services

Director: Andrea Withington, ED 110; 407-823-3723

<http://education.ucf.edu/student-services/>

Student Services assists students with orientation, registration information, general academic advisement, college and University academic requirements and graduation certification. Education Pending majors are advised in Student Services. Students are assigned an advisor upon meeting College of Education admission requirements. Students are encouraged to make an early appointment with an academic advisor. Information regarding majors offered by the College of Education can be obtained in the Office of Student Affairs or at <http://www.studentservices.education.ucf.edu/>.

Admission to the University of Central Florida does not imply admission to the College of Education. Students will be allowed to enroll in 3000/4000 level courses taught by the College of Education **after they have been admitted to the College**. Admission includes having a minimum 2.5 overall GPA (2.75 for Early Childhood Education) and passing scores on the General Knowledge Test (GKT).



Program Objectives

- Recruit and retain diverse students interested in careers in teaching
- Promote academic excellence and foster professional development
- Assist in job placement
- Encourage community involvement and commitment

Scholarship Requirements

Students must meet the following criteria:

- Eligible groups: African-American/Black, Asian-American/Pacific Islander, Hispanic, or American Indian/Alaskan Native
- Be a Florida Resident
- Be admitted into the UCF-College of Education as a degree-seeking undergraduate student
- Minimum semester and overall grade point average of 2.5
- Submit Scholarship Application
- Successful interview with the Scholarship Application Review Committee
- Submit two letters of recommendation and current resume
- Complete 40 hours of community service for each year the scholarship is received

Graduation Requirements

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

Alternative Certification for Non-Degree Students

All students who have earned a Baccalaureate degree from an accredited institution and who desire to be certified in Elementary Education must complete an undergraduate or masters degree program in Elementary Education. For other certification areas for which the College has programs, students may elect to complete 1) an undergraduate degree 2) a graduate degree or 3) an alternative program as a post-baccalaureate student. Students must meet regular admission requirements for the College of Education and Teacher Education.

Academic Advising Center

Executive Director: Tina M. Smilie; ED 175; 407-823-5368

Beginning in 2008-2009, 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 and by appointment.

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

Assistant to the Chair: Roanne G. Brice; ED 206-H; 407-823-0664

Faculty: Albers-Biddle, Blanes, Brasel, Butler, Cross, R. Culp, Daire, Dieker, Duke, Edwards, Englehart, Erwin, Ezell, Fisher, Hagedorn, Harth, Hartle, Hayes, Hines, Hughes-Brand, Jennings, Jones, Kazoroski, Kehoe, Kian, Kuminka, Lambie, Lanier, Levin, Little, Mancil, Martin, Mitchell, Platt, Robinson, Szente, Taub, Thomas-Richmond, Valdes, Van Horn, Wienke, Young

Undergraduate academic major programs leading to bachelor's degrees and certification are offered in Child, Family and Community Sciences. Students are responsible for completion of program requirements and are highly encouraged to review their programs with an assigned advisor.

Students who major in Early Childhood Education are qualified to teach Pre-Kindergarten through grade 3 upon graduation and receipt of a Pre-Kindergarten through Primary Florida Teaching Certificate (Pre-Kindergarten Exceptional Student Education is embedded in this certification).

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

Several graduate level programs are available in the department:

Counseling Education, <http://www.ucfcounselored.org/Welcome.html>

Early Childhood Education, <http://education.ucf.edu/ece/>

Exceptional Education, http://www.graduate.ucf.edu/acad_progs/index.cfm?progID=83&scrm=curriculum#EXVMA

School Psychology, <http://schpsy.education.ucf.edu/>

Sports and Fitness, <http://pegasus.cc.ucf.edu/~sportfit/>

See individual program websites and the graduate catalog for additional details. You can start by going to the CFCS website: <http://education.ucf.edu/cfcs/>

Department of Educational Research, Technology and Leadership

Chair: Conrad Katzenmeyer; ED 209-H; 407-823-4835

Assistant to the Chair: Michelle Spinella; ED 206-B; 407-823-0623

Faculty: Atkinson, Bai, Beverly, Bozeman, Cintron, Doherty, Gunter, Hahs-Vaughn, Hirumi, Lee, McGee, Miller, Murray, B., Murray, K., Orwig, Pawlas, Scheick, Sivo, Taylor, Tubbs, Witta

The Department of Educational Research, Technology and Leadership (ERTL) is a graduate department with programs in Educational Leadership K-12, Instructional Technology/Media, and Higher Education and Policy Studies. The Educational Research faculty is responsible for training students college-wide in Educational Research, Measurement and Evaluation.

ERTL is guided by the University mission: "achieving international prominence in key graduate education and research programs, developing a global perspective in the curriculum, promoting inclusiveness and diversity, and helping UCF become America's leading partnership university; and by the College of Education's vision of "scholarly leadership in the education profession, well-educated students, rigorous curricula, research and scholarship, promotion of social justice, and service."

Department of Educational Studies

Chair: Karen L. Biraimah; ED 209-B; 407-823-2426

Assistant to the Chair: Muthoni Musangali; ED 206-E; 407-823-6579

Faculty: Allen, Alvarez, Becker, Bentley, Boote, Eriksson, Gill, Goodman, Hewitt, Hoffman, Holt, Hutchinson, Johnson, Jotia, Kay, Kochan, Koger, Lue Stewart, Miller, Mueller, Murray, Nadelson, O'Malley, Owens, Piro, Short, Stewart

The Department of Educational Studies serves all students in the College of Education. The Department provides instruction in the core professional courses that address the competencies and skills needed by all undergraduate majors. These courses emphasize learning theory, teaching strategies, diversity, and the social, philosophical and historical foundations. The Department provides courses for all masters and doctoral programs in education, and coordinates the core courses for the Education Doctoral Program and the Graduate Certificate in Initial Teacher Professional Preparation. The Department houses the Specialist in Education program, the M.A. in Applied Learning and Instruction, the Masters degree in Curriculum and Instruction with M.Ed. and M.A. specializations, and Graduate Certificate options in Gifted Education, Urban Education, and Multicultural and Global Education. Educational Studies graduate courses provide opportunities for students to advance their knowledge and skills related to multicultural, social, and psychological factors, curriculum and instructional theories, and the historical and philosophical factors that influence education. The department also houses the Educational Studies Minor and the Educational Studies Certificate and Substitute Teaching Certificate programs.

Department of Teaching and Learning Principles

Chair: Michael Hynes; ED 209-D; 407-823-4836

Assistant to the Chair: Lawrence Mione, ED 206-C; 407-823-0523 and Maria Cox, ED 206-D; 407-823-1763

Faculty: Andreasen, Blair, Blessing, Brewer, Buchoff, Cardullo, Circle, Cohn, Crawford, Diaz, Dixon, Ergle, Everett, Frazee, Gerking, Gresham, Haciomeroglu, Hoffman, Hopkins, Hynes, Jeanpierre, Joels, Kaplan, Kazoroski, Kelley, Nutta, Ortiz, Palumbo, Roberts, Romjue, Russell, Scharlach, Schulte, Seeley, Spalding, Stanley, Starzynski, Sweeney, Tinsley, Verkler, Waring, Wegmann, Whiteman, Wientke C., Williams K., Wilson, Zajac, Zygoris-Coe

Elementary/Middle Education

The Elementary Education program is designed for prospective teachers interested in the education of children, 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/Post Secondary Education and Training

Programs in this area are designed for prospective teachers/trainers interested in working with students in a specific academic or vocational area in middle/junior high school, high school, selected postsecondary educational settings, and selected technical training settings in business and industry. Specialization is available in Biology, Chemistry, English, Mathematics, Physics, and Social Science Education, Sports and Fitness, and Technical Education and Industry Training. Graduate level programs are available in Art Education, Elementary Education, English Language Arts Education, K-8 Mathematics and Science Education, Mathematics Education, Science Education, Social Science Education, Reading Education and Vocational Education. The Ph.D. in Education is available with tracks in Mathematics Education, Elementary Education, Science Education, Social Science Education, and Art Education.

K-12 Education

Programs in this area are designed for prospective teachers in content areas that may be applied in any school setting from Kindergarten through grade twelve. Specialization is available in Art Education and Foreign Language Education (French or Spanish).

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Education are located at: http://oeas.ucf.edu/alc/alc_students_coe.htm

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

College of Engineering and Computer Science

Dean: Neal C. Gallagher; HEC 114; 407-823-2156
<http://www.cecs.ucf.edu>

Interim Executive Associate Dean:

Essam Radwan; HEC 114; 407-823-2156

Associate Dean for Academic Affairs:

J. F. Nayfeh; ENGR 107; 407-823-2455

Assistant Dean for Distributed and Distance Learning:

Alfred Ducharme; ENGR 289; 407-823-5765

Director, Academic Affairs:

Melissa Dagley-Falls; ENGR 107; 407-823-2455

Director, College Honors Programs:

Mohamed Abdel-Aty; ENG2 301H; 407-823-5657

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

Electrical Engineering Technology - Computer Systems Concentration

Electrical Engineering Technology - Electrical Systems Concentration

Electrical Engineering Technology - Photonics Concentration

Engineering Technology - Design Concentration

Engineering Technology - Geomatics Concentration

Engineering Technology - Operations Concentration

Engineering Technology - Space Sciences Concentration

Environmental Engineering

Industrial Engineering

Information Systems Technology

Information Technology

Mechanical Engineering

BSAE

BSCE

BSPE

BS

BSConE

BSEE

BSEET

BSEET

BSEET

BSET

BSET

BSET

BSET

BSVE

BSIE

BS

BS

BSME

College Core Values

- Honesty: Tell the truth and be aboveboard and candid.
- Integrity: Be held to the highest standards of trust and accountability.
- Professionalism: Adhere to a professional code of ethics, continuing to learn while striving for excellence.
- Family: Pursue life outside of the professional environment, giving family a priority.
- Altruism: Work as a team; help each other; and sacrifice for the common good. Understand that each individual's work is part of a larger purpose and plan.

College Goals

- A high caliber, diverse College that is recognized with leadership in research and teaching.
- Distinguished, innovative undergraduate programs to provide graduate-like education for undergraduates.
- High quality graduate education to meet the needs of Florida and the U.S. and to achieve national and international prominence.
- A model for university outreach, globalization and partnerships
- A college with national and international visibility.
- An inclusive, open and supportive environment.

Students who seek a challenging technical career in research and development, design, technical sales, manufacturing, management, teaching, or other professions requiring a methodical, creative solution to problems should seriously consider pursuing an education in engineering, engineering technology, or computer science. The internationally-recognized faculty of the College of Engineering and Computer Science, together with its strong curricula of undergraduate and graduate programs, provide an opportunity for ambitious, responsible men and women to become the leaders of our increasingly technological world. Because of the significance of science and technology to our everyday lives, today's engineer, engineering technologist, and computer scientist must be aware of the impact of his or her creations on society. In addition to the public health and welfare, aesthetics, economics, and energy-use implications, our graduates also consider environmental, sociological, and other humanistic costs. A degree from the College of Engineering and Computer Science is also recognized as a valuable asset to those entering other professional pursuits such as the medical or law professions, architecture, education, the military professions, or even politics.

College Organization

The College of Engineering and Computer Science is organized into three major divisions: the Engineering and Computer Science Division, the Engineering Technology Division, and the Reserve Officer Training Corps (ROTC) Division. The Engineering and Computer Science Division is comprised of the School of Electrical Engineering and Computer Science (EECS) and three engineering departments: the Civil, Environmental, and Construction Engineering (CECE) Department, the Industrial Engineering and Management Systems (IEMS) Department, and the Mechanical, Materials and Aerospace Engineering (MMAE) Department. The School of Electrical Engineering and Computer Science is comprised of Computer Science, Information Technology, and Electrical and Computer Engineering. The Engineering Technology Division is comprised of the Engineering Technology (ENT) Department, and the ROTC Division is made up of the Aerospace Studies Department (Air Force ROTC) and the Military Science Department (Army ROTC).

All components of the Engineering and Computer Science Division offer advanced studies leading to master's degrees and the Doctor of Philosophy degree; see the Graduate catalog for further information on these graduate programs. The undergraduate engineering programs in Aerospace Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Environmental Engineering, Industrial Engineering, and Mechanical Engineering are fully accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET), 111 Market Place #1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700, Fax: (410) 625-2238. ABET is recognized by the U.S. Department of Education as the sole agency responsible for accreditation of educational programs leading to degrees in engineering, engineering technology, and related engineering areas. The Computer Science program is accredited by the Computing Accreditation Commission (CAC) of the Accreditation Board for Engineering and Technology (ABET), 111 Market Place #1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700, Fax: (410) 625-2238.

Accelerated BS/MS Degree Program

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

College Vision

The College of Engineering and Computer Science (CECS) at the University of Central Florida will be recognized nationally and globally for undergraduate and graduate education, research and partnership. CECS will strive to become a top 50-ranked college within the next five years, and a top 25-ranked college within the next 10 years. CECS will achieve high standards in all aspects of education, research and technology application. These accomplishments will take place in a College dedicated to diversity, quality, resource expansion and partnerships throughout all of its operations and programs.

College Mission Statement

The CECS primary mission is to further the knowledge and practice of the engineering and computer science professions nationally and internationally by:

- EDUCATION: Providing the highest quality and innovative learning/teaching environment in undergraduate and graduate curricula, to prepare a diverse student body to be effective, contributing members of a technological society, and lifelong learners.
- RESEARCH: Expanding the knowledge base of engineering and computer science through dynamic research and, applying new discoveries for problem solving.
- PARTNERSHIPS: Providing collaborative leadership with external partners in advancing technological breakthroughs for the economic, and social well-being of humankind.
- OPPORTUNITY: Extending educational opportunities to technology practitioners locally, nationally, and globally to enhance human performance, and economic, and technical development.

College of Engineering and Computer Science

The Engineering Technology Division and Department offers baccalaureate concentrations in Design, Geomatics, Operations and in Space Sciences, leading to the Bachelor of Science in Engineering Technology (BSET) degree, and concentrations in Electrical Systems, Computer Systems, and in Photonics, all leading to the Bachelor of Science in Electrical Engineering Technology (BSEET) degree. Both the BSET and BSEET degrees, with the exception of the new Photonics concentration, are accredited by the Technology Accreditation Commission (TAC) of the Accreditation Board for Engineering and Technology (ABET), 111 Market Place, #1050, Baltimore, MD 21202-4012, Telephone: 410-347-7700, FAX: 410-625-2238. The Engineering Technology Department also offers a Bachelor of Science degree in Information Systems Technology (BS). This degree is designed for students who have completed 33 credit hours of lower level technical courses at a community college in the areas of networking, programming, information technology, computer science, computer engineering and technology or closely related disciplines.

The College houses the ROTC Division for those students desiring to pursue military training while earning their degree. The AFROTC program offers a minor in Aerospace Studies, and the AROTC program offers a minor in Military Science.

The Honors Program in the College of Engineering and Computer Science

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

The objective of the Honors Program is to provide exceptional students with an opportunity to express their creativity and problem-solving abilities through challenging coursework and participation in research projects. In addition, the program exposes students to a wide variety of issues dealing with the role of engineers and computer scientists and the impact of the profession on society. Honors students also participate in several programmed activities, such as lectures by distinguished scholars, engineers, and public figures, visits to local and regional industries and to governmental and military research facilities.

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

The Honors in the Major Program

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and would like to have the experience of an Honors curriculum, and 2) University Honors program students who desire to continue the Honors curriculum beyond what the University Honors Program offers. The centerpiece of the Honors in the Major program is the opportunity to undertake independent research as an undergraduate under the guidance of a faculty member in his/her major. The Honors in the Major represents a total of six credit hours of work. These credit hours are acceptable as technical electives by all programs except for Electrical and Computer Engineering. Electrical and Computer Engineering students in the HIM program use the HIM credits in lieu of Senior Design I and II. These six credit hours consist of an Honors in the Major Seminar titled Research Methods in Engineering (EGN 4931H) (three credit hours), plus three credit hours of Undergraduate Honors Thesis (EGN 4970H).

The latter will result in an undergraduate thesis which will describe the research done by the student. The student will defend his/her thesis before a committee of faculty in the field as part of an oral examination covering the honors work. A sponsoring faculty member is required to supervise the undergraduate thesis.

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

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

To successfully complete the HIM program and receive said designation, the student must successfully defend the thesis and graduate with a minimum 3.5 GPA in the option courses, and minimum 3.2 GPA at UCF. No exceptions to this policy will be made for graduation. Successful candidates will be awarded an Honors in Engineering/Engineering Technology/Computer Science mention on the diploma and transcript, representing satisfactory completion of the program. Moreover, each department will award a limited number of graduate scholarships (with tuition waivers) to those who apply for graduate school and have successfully completed this program.

Application for admission to the Honors in the Major Program must be made to the College of Engineering and Computer Science Honors Director, Niels Lobo (Computer Science), Harris Corp. Engineering Center, Room 252, or Mohamed Abdel-Aty, (Engineering) Engineering Building 2, room 301H. For more information about The Burnett Honors College programs, please visit their homepage at <http://www.honors.ucf.edu>.

The LEAD Scholars Program in the College of Engineering and Computer Science

Engineering, engineering technology, and computer science students may also participate in the LEAD (Leadership Enrichment and Academic Development) Scholars Program (see the section on the LEAD Scholar Program found elsewhere in this catalog).

Additional Information on UCF Baccalaureate Engineering, Engineering Technology, and Computer Science Programs

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

Department of Civil, Environmental, and Construction Engineering

Chair: Lakshmi N. Reddi; ENG2 211; 407-823-2841;
Fax: 407-823-3315

Faculty: Abdel-Aty, Al-Deek, Catbas, Chang, Chopra, Cooper, Duranceau, Hagen, Khalafallah, Kuo, Mackie, Nnadi, Oloufa, Radwan, Randall, Reddi, Reinhart, Taylor, Wayson, Yeh, Zhao

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

The Civil Engineering Program

The Civil Engineering major is concerned primarily with fundamental civil engineering design and analysis in such areas as structures, geotechnical engineering, sanitary engineering, water resources, transportation engineering, and construction engineering. Civil Engineering students are required to take a minimum of two Project Design Courses, which synthesize various pre-requisite course offerings into a design project. These projects are usually "open-ended" and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission

The Civil Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:

1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.

2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Civil Engineering graduate education and research.

Program Objectives

Within the first several years following graduation, graduates should:

- Be successfully employed or employable in civil engineering practice in areas such as structural, geotechnical, transportation, construction, water resources, or related fields and/or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Educational Objectives

1. Produce graduates who have technical knowledge that is fundamental to the principles of critical areas of Civil Engineering such as structures, geotechnical, water resources, transportation, construction, surveying, and environmental.
2. Provide a professional engineering education that challenges our graduates to think critically and that will prepare them for a successful professional career.
3. Ensure that all our undergraduate students gain experience in applied engineering design within a broad curriculum.
4. Form and maintain partnerships with industry, government agencies, and professional organizations.
5. Develop awareness of the changing needs of society and local, state, national, and global environment and infrastructure.
6. Provide our graduates with a strong knowledge base to enhance their professional skills and develop their abilities to perform credible research.

Program Outcomes

1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will solve problems involving topics from physics such as vector mechanics and equilibrium.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.
9. Graduates will be able to complete a comprehensive civil engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.
10. Graduates will be able to synthesize skills learned in their program to solve real-world problems and to generate and evaluate viable solutions.

The Environmental Engineering Program

The Environmental Engineering major is concerned primarily with the interactions 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 minimum of two Project Design Courses (out of four offered) which synthesize various pre-requisite course offerings into a design project. These projects are usually "open-ended" and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission

The Environmental Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:

1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Environmental Engineering graduate education and research.

Program Objectives

Within the first several years following graduation, graduates should:

- Be successfully employed or employable in environmental engineering practice in areas such as solid waste, air pollution, water and wastewater treatment, water resources, or related fields and/or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Educational Objectives

1. Produce graduates who have technical knowledge that is fundamental to the principles of critical areas of Environmental Engineering such as solid waste, air pollution, water and wastewater treatment, and water resources.
2. Provide a professional engineering education that challenges our graduates to think critically and that will prepare them for a successful professional career.
3. Ensure that all our undergraduate students gain experience in applied engineering design within a broad curriculum.
4. Form and maintain partnerships with industry, government agencies, and professional organizations.
5. Develop awareness of the changing needs of society and local, state, national, and global environment and infrastructure.
6. Provide our graduates with a strong knowledge base to enhance their professional skills and develop their abilities to perform credible research.

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.

College of Engineering and Computer Science

The Construction Engineering Program

The Construction Engineering major is concerned with preparing students for the engineering management of construction projects by developing skills for the selection of construction methods and processes, construction project planning and control, and resource management. Construction Engineering students are required to take a minimum of two Project Design Courses, (Construction Engineering Design and Geotechnical Engineering Design), which synthesize various pre-requisite course offerings into a design project. These projects are usually "open-ended" and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission

The Construction Engineering Program Faculty strives to create a high quality learning experience for our students. The principal goals include:

1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Construction Engineering graduate education and research.

Program Objectives

Within the first several years following graduation, graduates should:

- Be successfully employed or employable in construction engineering practice in areas such as estimating, scheduling, program development, and construction project management, or related fields and/or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Educational Objectives

1. Produce graduates who have technical knowledge that is fundamental to the principles of critical areas of Construction Engineering and Management such as construction process design, cost estimating, scheduling, construction methods and equipment, and and project administration and control.
2. Provide a professional engineering education that challenges our graduates to think critically and that will prepare them for a successful professional career.
3. Ensure that all our undergraduate students gain knowledge of business, management, legal, and professional issues.
4. Form and maintain partnerships with industry, government agencies, and professional organizations.
5. Develop awareness of the changing needs of society and local, state, national, and global environment and infrastructure.
6. Provide our graduates with a strong knowledge base to enhance their professional skills and develop their abilities to perform credible research.
7. Provide a knowledge base necessary for the engineering management of construction projects including management principles, process improvement, and legal concepts.

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 economic issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will demonstrate knowledge of estimating, scheduling, project control, resource allocation, risk management, and legal issues.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.

7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.
9. Graduates will demonstrate proficiency in the design of construction processes, methods, and safety.
10. Graduates will be able to complete a comprehensive real-world construction engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.

The mission statement and objectives for the Civil Engineering, Environmental Engineering, and Construction Engineering programs are electronically posted and routinely updated. More information on the Civil and Environmental Engineering programs can be found on the CECE Department home page at <http://www.cece.ucf.edu>.

Department Policy for Double Major in Civil, Environmental, and Construction Engineering

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

- The student shall meet all individual requirements for each degree
- The coursework must include two different capstone design courses, one from each program
- The student shall notify the Chair of his or her intent to pursue a double major by the start of the final academic year (3 semesters) of coursework, and shall have a "program of study" prepared and approved by the Chair
- Completion of requirements for both majors must be in the same semester.
- The same catalog year must be used for both majors

Additional notes:

- All students, by meeting the requirements for each degree, will be able to represent themselves as a Civil Engineer, an Environmental Engineer, a Construction Engineer or a combination thereof.
- The double major program for a student must be approved by the Chair in the final year. This eliminates last-minute confusion by the student and allows the Chair time to review the technical elective, and the specific design courses being taken by each student.
- The extra hours represent at least one additional semester of full time enrollment, and represents the minimum requirements for the double major.
- The 17 hours of extra courses required for Civil Engineering majors pursuing Environmental Engineering as a second major would include all the required courses of Environmental Engineering: CHM 2046L, EES 4202C, EES 4111C, ENV 4120, ENV 4341, and a Biological or Earth Science, whichever course was not taken to satisfy the GEP.
- The 21 hours of extra courses required for Environmental Engineering majors pursuing Civil Engineering as a second major includes all the required courses of Civil Engineering, namely: SUR 2101C, CES 4100C, CEG 4011C, TTE 4004, CGN 3501C or EGN 3365, and either CES 4605 or CES 4702.
- The 13 hours of extra courses required for Construction majors pursuing Civil Engineering as a second major includes all the required courses of Civil Engineering, namely: CWR 4101C, CWR 4203C, EGN 3373, EGN 3343, and ENV 4561.
- The 16 hours of extra courses required for Civil Engineering majors pursuing Construction Engineering as a second major would include all the required courses of Construction Engineering: CCE 4004, CCE 4402, CCE 4813, CCE 4034, and CCE 4810.
- One diploma indicating only one major will be awarded, both majors will be indicated on the student's transcript. If a student desires two separate diplomas, a B.S.C.E., a B.S.Env.E, and/or a B.S.Con.E., this is permitted, per university policy, for students who have a minimum of 150 credit hours.

School of Electrical Engineering and Computer Science

Director: Issa Batarseh; HEC 437; 407-823-2750

Faculty: Bassiouni, Batarseh, Behal, Behdad, Boloni, Chatterjee, da Vitoria Lobo, DeMara, Deo, Dutton, Foroosh, Gallagher, Georgiopoulos, Gomez, Gong, A. Gonzalez, Guha, Haralambous, Heinrich, Hua, Hughes, Jones, Kasparis, Lang, LaViola, Leavens, Lee, Liou, Llewellyn, Malocha, Marinescu, Mikhael, Mukherjee, Orooji, Pattanaik, Qu, Richie, Rolland, Shah, Shen, Stanley, Sukthankar, Sundaram, Tappen, Turgut, Wahid, Wang, Weeks, Wei, Wocjan, Workman, A. Wu, T. Wu, Yuan, Zhang, Zhou, Zou

The Computer Science Program

The Computer Science program offers courses and programs leading to Bachelor of Science, Master of Science (see online *Graduate Catalog*), and Doctor of Philosophy (see online *Graduate Catalog*) degrees in Computer Science. In addition, the program offers minors in Computer Science and Information Technology.

The program strives to meet the requirements for professional careers and research in software development and computing systems technology by producing graduates with a broad base of formal course work. Students may use required elective credit to concentrate their degree in one of many research areas, including computational biotechnology, computational complexity, computational geometry, computer architecture, computer graphics, computer networks, computer simulation, computer vision, databases systems, design and analysis of algorithms, distributed computing, digital media, evolutionary computing, graph theory, human-computer interaction, machine learning, mixed and virtual reality, multi-agent systems, natural language processing and knowledge-based systems, neural networks, operating systems, parallel processing, quantum computing, software engineering and VLSI design tools and hardware algorithms.

Research facilities are organized around laboratories directed by faculty members. Facilities in these laboratories change rapidly and are generally funded through external research grants, supplemented by grant matching and startup funds from EECS. To learn about the current status of research facilities and projects, visit faculty web pages. These may be found by following links from the EECS home page at <http://www.eecs.ucf.edu/>.

Mission

The mission of the Computer Science program is to educate majors in the principles and practices of computer science, preparing them for graduate school, for careers in software development and computing technology, and for a lifetime of learning.

Educational Objectives

1. To give CS graduates the knowledge and skills necessary to participate as effective team members or team leaders in the development of large computer and software systems covering a broad range of engineering and scientific applications.
2. Prepare CS graduates for professional careers in roles including, but not limited to, the following: computer programmer, software engineer, software systems designer, software applications developer, technical software project lead, computer systems analyst, computer systems programmer, software applications tester and maintainer.
3. To prepare CS graduates with the knowledge and skills to do advanced studies and research in computer science and related engineering and scientific disciplines.
4. To equip CS graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical stakeholders in computer and software systems development, maintenance and administration.

Program Outcomes

1. CS majors shall demonstrate knowledge of discrete and continuous mathematics and their skills in applying logic and mathematical proof techniques.
2. CS graduates shall demonstrate knowledge and skill in algorithm design and complexity analysis.
3. CS majors shall demonstrate knowledge of programming fundamentals by their degree of programming skill using at least three programming languages dominant in the computing industry.

4. Graduating CS majors shall demonstrate knowledge and understanding of the concepts, design principles and fundamental algorithms relating to computer architecture and organization, computer operating systems, computer networks and distributed computing.
5. Graduating CS majors shall demonstrate their effectiveness in technical oral and written communication skills, particularly as these skills apply to the dissemination of technical information on subjects dealing with computing technology and applications.
6. Graduating CS majors shall demonstrate knowledge of fundamental concepts and principles in software engineering and the skills to apply best-practices in software development processes, methods and tools.
7. Graduating CS majors shall be highly competitive professionals in the market place of entry level jobs requiring technical skills in application software development.
8. Graduating CS majors shall be highly competitive in their acceptance for advanced study at colleges and universities ranked in the same tier with UCF or higher.

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 administration, IT project lead, IT quality assurance.
3. To equip IT graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical users of information technology systems and applications.
4. To prepare IT graduates with the knowledge and skills to conduct advanced studies and research in disciplines for web-based applications, networking, information storage and retrieval, IT security, electronic commerce.

Program Outcomes

1. Demonstrate expertise in the main content knowledge of information technology.
2. Effectively use information science and technology frameworks (concepts, principles, methods, languages and theories) to design, analyze, and construct solution in a network-based environment.
3. Effectively apply scientific and mathematical principles, methods and techniques to the research and development of emerging technologies in the computing field.

College of Engineering and Computer Science

- 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.
- Develop computer-based applications using the information technology body of knowledge.
- Employ terminology for information technology accurately and effectively
- Use technical writing effectively and professionally for varied audiences.
- Convey technical material through oral presentations of information technology related topics.

Electrical and Computer Engineering Programs

The Electrical and Computer Engineering programs offer baccalaureate degrees in both Electrical Engineering (BSEE) and Computer Engineering (BSCpE). Graduate degrees leading to the Master of Science in Electrical Engineering (M.S.E.E.), Master of Science in Computer Engineering (M.S.P.E.), and Doctor of Philosophy (Ph.D.) are also offered.

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

The Computer Engineering Program

The Computer Engineering program contains a minimum of 24 credit hours of design experience, which includes courses listed as Computer Systems Design I and II (EEL 4767C and EEL 4768C), Computer Science I (COP 3502) and Digital Systems (EEL 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 educational objectives are to prepare:

- All graduates for careers in industry or technical entrepreneurship within the computer engineering field,
- Interested graduates for pursuit of graduate study and advanced degrees at UCF or elsewhere, and
- All graduates for advancement within the professional community through ethical engineering practices and career-long learning processes.

Program Outcomes

Graduates of the Computer Engineering program should attain:

- An ability to apply knowledge of mathematics, science, and engineering,
- An ability to design and conduct experiments, as well as to analyze and interpret data,
- 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,
- An ability to function on multidisciplinary teams,
- An ability to identify, formulate, and solve engineering problems,
- An understanding of professional and ethical responsibility,
- An ability to communicate effectively,
- The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context,
- A recognition of the need for, and an ability to engage in life-long learning,

- A knowledge of contemporary issues,
- An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice,
- 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
- A knowledge of discrete mathematics.

The Electrical Engineering Program

The Electrical Engineering program contains a minimum of 18 credit hours of design experience. This is achieved through such courses as Linear Control Systems (EEL 3657), Electronics I and II (EEL 3307C and EEL 4309C), Digital Signal Processing (EEL 4750), Signal Analysis and Communication (EEL 3552C), Computer Systems Design I (EEL 4767C), Networks and Systems (EEL 3123C) and Digital Circuits and Systems (EEL 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 Statement

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 educational objectives are to prepare

- Students for careers in industry or technical entrepreneurship within the electrical engineering field
- Interested students pursuit of graduate study and advanced degrees at UCF or elsewhere, and
- Students for advancement within the professional community through ethical engineering practices and career-long learning processes.

Program Outcomes

Graduates of the Electrical Engineering program should attain:

- An ability to apply knowledge of mathematics, science, and engineering
- An ability to design and conduct experiments, as well as to analyze and interpret data
- 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
- An ability to function on multidisciplinary teams
- An ability to identify, formulate, and solve engineering problems
- An understanding of professional and ethical responsibility,
- An ability to communicate effectively
- The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context,
- A recognition of the need for, and an ability to engage in life-long learning,
- A knowledge of contemporary issues
- An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
- Knowledge of probability and statistics, mathematics through differential and integral calculus, basic science, computer science, and engineering science necessary to analyze and design complex electrical and electronic devices
- Knowledge of advanced mathematics typically including differential equations, linear algebra and complex variable

The mission statement and objectives for the Computer Engineering and Electrical Engineering programs are electronically posted and continuously updated. More information on the Computer and Electrical Engineering programs can be found on the home page at <http://www.ece.ucf.edu>.

School of Electrical Engineering and Computer Science Policies and Procedures

The School's web site (<http://www.eecs.ucf.edu>) is a central point from which visitors may view current policies and procedures of our programs. In particular, links from this page provide up-to-date answers to frequently asked questions (FAQ's) concerning academic advisement, student professional societies, undergraduate research opportunities, and means to effectively communicate concerns (comments, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send e-mail and letters, or make phone calls to faculty members and administrators.

Department of Industrial Engineering and Management Systems

Chair: Waldemar Karwowski; ENG2 312; 407-823-2204;
Fax 407-823-3413

Faculty: Armacost, Calabrese, Chandra, Crumpton-Young, Elshennawy, Geiger, Hoekstra, Hosni, Karwowski, Kotnour, Lee, Malone, McCauley-Bell, Mollaghasemi, Nazzal, Pet-Armacost, Proctor, Rabelo, Rahal, Reilly, Sepulveda, Stanney, Tang, Wang, Whitehouse, 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, and to facilities design and plant layout in EIN 4364. The design experience concludes with a real-world system design in the two-semester capstone design sequence, EIN 4516 and EIN 4891.

Mission

To produce industrial engineering leaders who design and improve operations in industry, business, and government for the global economy of the 21st century. Specifically, we seek:

1. To provide graduates with the necessary knowledge and skills to assume challenging jobs in leading private and public organizations, pursue advanced studies, or start-up their own businesses.
2. To provide employers with graduates who are technically competent, have basic management and inter-personal skills, and ability to professionally grow and develop their careers.
3. To provide the society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

Educational Objectives:

1. To produce graduates capable of applying mathematics, science, and engineering fundamentals to practical engineering problems.
2. To produce graduates who recognize that engineering is a service profession that must be practiced with integrity, honesty, and objectivity.
3. To produce graduates capable of designing experiments and analyzing data to characterize problems.

4. To produce graduates capable of designing systems, components, and processes to meet specific needs, and of applying industrial engineering techniques to solve problems.
5. To produce graduates who communicate effectively, both orally and in writing.
6. To produce graduates who contribute to multi-disciplinary team efforts.
7. To produce graduates who are responsible to the industrial engineering profession and to our modern global society.
8. To produce graduates who value life-long learning.

Program Outcomes:

1. Students will be able to apply mathematics, science and engineering fundamentals in classroom and real world projects.
2. Students will make responsible decisions and exhibit integrity in classroom and real world projects.
3. Students will be able to collect, analyze, and interpret data in classroom and project settings as well as drawing meaningful conclusions and developing sound recommendations..
4. Students will effectively utilize industrial engineering design and problem-solving skills in classroom and real world projects.
5. Students will communicate effectively, orally and in writing, to peers and superiors in classroom and real world projects.
6. Students will be able to work with persons of varied backgrounds in classroom and real world projects.
7. Students will incorporate contemporary global, economic, and social perspectives into the practice of industrial engineering.
8. Students will be able to measure the impact of global and societal issues on industrial engineering solutions to modern practical problems
9. Students will explore options for professional growth, including graduate study, conference attendance, and professional society participation.
10. Students will utilize tools and techniques of industrial engineering to effectively and efficiently design systems, products and processes that meet the needs of the society.

The mission statement and objectives for the Industrial Engineering programs are electronically posted and continuously updated. More information on the Industrial Engineering program can be found on the Industrial Engineering Department home page at <http://www.iems.ucf.edu>.

Department of Mechanical, Materials, and Aerospace Engineering

Chair: Ranganathan Kumar; ENGR 307; 407-823-2416;
Fax 407-823-0208

Faculty: An, Basu, Bishop, Q. Chen, R. Chen, Chew, Cho, Chow, Coffey, Fang, Fenton, Gordon, Gou, Ilegbusi, Kalita, Kapat, Kassab, Klemenz, Lin, Minardi, Moslehy, Nayfeh, Nicholson, Orlovskaya, Seal, Sohn, Suryanarayana, Vaidyanathan, Xu

The Department of Mechanical, Materials, and Aerospace Engineering offers undergraduate degree programs in Mechanical Engineering and Aerospace Engineering. The Aerospace Engineering program is designed to provide a broadly-based foundation in aeronautics and astronautics, including topics such as aerodynamics, propulsion, 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:

1. Provide the highest quality aerospace engineering professionals and leaders.
2. Through cooperative efforts with regional aerospace industry and the Florida Space Institute, our graduates will be well prepared for their role as aerospace engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues.
3. They will be educated to be life-long learners, pursuing their personal and professional development.

Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Educational Objectives

1. **Career Preparation:** The program prepares graduates for employment as engineers in aerospace or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize aeronautical systems or space systems, and will have a command of corresponding engineering principles. Among the obvious career opportunities are the design and development of aircraft, missiles, and spacecraft systems. Aerospace technologies are also important and applicable to power applications such as turbomachinery. Also, many environmental problems associated with wind effects on buildings, structures, etc., are appropriate to the methods and technology of aerospace engineering.
2. **Skills:** To prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in aerospace technology, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.
3. **Professionalism:** To produce graduates who communicate effectively, who understand and undertake professional responsibilities, and who function effectively as members and leaders of multidisciplinary teams.
4. **Life-long Learning:** To produce graduates who believe that their undergraduate aerospace engineering education was a wise investment and who desire to continue to develop their knowledge and skills throughout their careers.

Program Outcomes

1. An in-depth understanding of engineering principles and aerospace concepts in a core area of engineering. Students emphasizing aeronautics will have a command of aerodynamics, aerospace materials, structures, propulsion, flight mechanics and stability and control. Students emphasizing astronautics will have the command of topics such as orbital mechanics, attitude determination and control, launch processing, space structural dynamics, etc.
2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.
3. A broad understanding of social, cultural, and ethical principles and responsibilities.
4. An ability to identify, define and solve complex problems that cut across disciplines.
5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.
6. An ability to communicate effectively using appropriate technology and efficiently use information resources.
7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.
8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from aerospace engineering applications.
9. The ability to adapt to sociological and technological change.
10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.
11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.
12. An understanding of contemporary aerospace engineering applications of technology and their uses in engineering practice.

Mission: Mechanical Engineering

In support of the University and College missions, the Mechanical Engineering program at UCF is committed to:

1. Provide the highest quality engineering professionals and leaders.
2. Through cooperative efforts with regional industry, our graduates will be well prepared for their role as mechanical engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues.
3. 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 zipper to space shuttle.
2. **Skills:** To prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in mechanical technologies, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.
3. **Professionalism:** To produce graduates who communicate effectively, who understand and undertake professional responsibilities, and who function effectively as members and leaders of multidisciplinary teams.
4. **Life-long Learning:** To produce graduates who believe that their undergraduate mechanical engineering education was a wise investment and who desire to continue to develop their knowledge and skills throughout their careers.

Program Outcomes

1. An in-depth understanding of engineering principles and mechanical concepts in a core area of engineering. Students will concentrate on mechanical systems, energy systems or material engineering with an emphasis on design.
2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.
3. A broad understanding of social, cultural, and ethical principles and responsibilities.
4. An ability to identify, define and solve complex problems that cut across disciplines.
5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.
6. An ability to communicate effectively using appropriate technology and efficiently use information resources.
7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.
8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from mechanical engineering applications.
9. The ability to adapt to sociological and technological change.
10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.
11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.
12. An understanding of contemporary mechanical engineering applications of technology and their uses in engineering practice.

Department of Engineering Technology

Chair: R. Eaglin; ENGR 207; 407-823-5937, Fax 407-823-4746
Program Coordinator BSET Programs: E. Divo; ENGR 207; 407-823-4753

Program Coordinator: BSEET Programs: A. Rahrooh; ENGR 207; 407-823-4749

Program Coordinator Information Systems Technology: B. Motlagh; ENGR 207; 407-823-4748

Faculty: Ali, Burroughs, Craiger, Divo, Ducharme, Mehrabian, Misconi, Morse, Motlagh, Osborne, Pollit, Rahrooh, Shepard, Sleiti, Yousef

Mission

The mission of the Engineering Technology program is to educate students to become professional technologists who meet the current needs of industry.

Bachelor of Science in Electrical Engineering Technology (BSEET)

This program in electrical engineering technology, leading to the BSEET degree, provides a structured curriculum with instruction in fundamentals and engineering principles applicable toward working with both present and future technologies in a variety of work environments. Graduates may find employment opportunities in such diverse fields as aerospace, instrumentation, computers, communications, consumer products, banking and education. They may become involved in applied design, product development, manufacturing, quality assurance, production and operations as well as activities such as field engineering, sales, system analysis, technical writing and software design, preparation and programming.

The EET program provides three paths of concentration, thereby providing the student a choice between either a hardware or a software emphasis. The concentration in Electrical systems provides a broad based curriculum in electrical/electronic engineering principles, and their application. Instruction and problem solving experiences are provided in both circuit and system aspects including computers, communications, controls and electrical power. The concentration in Computer Systems, while providing a firm foundation in electrical/electronics technology, also includes extensive instruction in programming, system design and analysis, and systems programming. Projects in solving real-world problems are required of all students in this concentration. The concentration in Photonics provides a background in optics, lasers, electrical systems, and the use and theory of light. It is designed to provide the necessary education for a career in the photonics industry.

Educational Objectives:

1. Students will demonstrate a broad knowledge of electrical/electronics, engineering technology practices to support design, application, installation, manufacturing, operation, and maintenance as required by their employer.
2. Students will be able to apply basic mathematic and scientific principles for technical problem solving in areas which include circuit analysis of both analog and digital electronics and microprocessors.
3. Students will be able to utilize computers and software in a technical environment
4. Students will demonstrate competence in written and oral communications
5. Students will be able to work effectively as an individual and as a member of a multidisciplinary team
6. Students will be able to show awareness of social concerns and professional responsibilities in the workplace and
7. Continue their professional training and adapt to changes in the workplace through additional formal and informal education

Program Outcomes:

Graduates should be able to:

1. Apply basic knowledge in electronics, electrical circuit analysis, electrical machine, microprocessors, and programmable logic controllers and control systems.
2. Apply basic mathematical, scientific, and engineering concepts to technical problem solving
3. Conduct experiments, and then analyze and interpret results
4. Apply creativity through the use of project-based work to design circuits, systems and processes
5. Work effectively in teams

6. Demonstrate a working knowledge of drafting, computer usage, including the use of one or more computer software packages for technical problem solving
7. Communicate effectively orally, visually and in writing
8. Recognize the need for lifelong learning and be prepared to continue their education through formal and informal study
9. Understand professional, ethical and social responsibilities
10. Have a respect for diversity, and a knowledge of contemporary professional, societal and global issues
11. Have a commitment to quality, timeliness, and continuous improvement

Bachelor of Science in Engineering Technology (BSET)

The BSET curriculum consists of a carefully integrated program that includes professional studies, general education, and applied mathematics and sciences. Through the selection of the upper level technical concentration students can build and tailor their program, based on previous knowledge to assist them to launch a career that best meets their needs and aspirations. The Design concentration provides advanced course work in preparation for employment at the baccalaureate level in the fields of manufacturing, testing and fabrication of mechanical parts, and the building and construction industries. Graduates may become involved in applied design, product development, manufacturing or production, to name but a few. The Operations concentration provides an orientation for professional careers in technical management and operations in the manufacturing, sales, services, and construction industries. Graduates may become involved in many diverse areas including product development, manufacturing, quality assurance and logistics, sales, field engineering, technical writing and safety. The Space Science Technology concentration prepares students for a career in launch and space operations, payload management, and other requirements to work in the space industry. Projects in solving real-world problems are required of all students in the BSET program. In addition to the engineering technology core, all concentrations in the BSET program have a common lower division core as well as a common upper division core.

Educational Objectives:

1. Students will demonstrate an appropriate mastery of the knowledge, techniques, skills, and modern tools of industrial operations, design, space science, or geomatics.
2. Students will demonstrate an ability to apply current knowledge and adapt to emerging applications of industrial operations, design, space science, or geomatics.
3. Students will demonstrate an ability to conduct, analyze, and interpret experiments within industrial operations, design, space science, or geomatics.
4. Apply creativity through the use of team-based work to design and plan projects.
5. Students will demonstrate problem solving competencies for technical problems.
6. Students will demonstrate competence in written and oral communication.
7. Students will recognize the need to engage in lifelong learning through formal and informal study.
8. Students will demonstrate an understanding of professional, ethical, and social responsibilities.
9. Have a respect for diversity, and a knowledge of contemporary professional, social and global issues.
10. Students will display a commitment to quality, timeliness, and continuous improvement.

Program Outcomes:

Graduates will be able to:

1. Demonstrate an appropriate mastery of the knowledge, techniques, skills, and modern tools of industrial operations, design, space science, or geomatics.
2. Demonstrate an ability to apply current knowledge and adapt to emerging applications of engineering and technology within industrial operations, design, space science, or geomatics.
3. Demonstrate an ability to conduct, analyze, and interpret experiments within industrial operations, design, space science, or geomatics.
4. Apply creativity in the design of projects within industrial operations, design, space science, or geomatics.
5. Demonstrate an ability to function effectively on teams.

College of Engineering and Computer Science

6. Demonstrate technical problem solving competencies.
7. Demonstrate written and oral communication competencies in Engineering Technology.
8. Recognize the need to engage in lifelong learning through formal and informal study.
9. Demonstrate understanding of professional, ethical, and social responsibilities.
10. Demonstrate a respect for diversity, and a knowledge of contemporary professional, social and global issues
11. Display a commitment to quality, timeliness, and continuous improvement.

Bachelor of Science in Information Systems Technology (BS)

The Engineering Technology Department also offers the Bachelor of Science degree in Information Systems Technology (BS), designed to accept Associate of Science (AS) degree graduates from community college programs in Computer Programming Technology, Digital Communications, and Networking. The IST curriculum provides the AS graduate with additional course work in networking and computer systems. It also provides skills and knowledge related to project management in Information Technology. A characteristic of this curriculum is that it contains less mathematics and natural science than do the BSET and BSEET curricula.

Educational Objectives:

1. Students will possess the ability to communicate effectively in oral, visual, and written formats.
2. Students will have ability and skills required to adapt and adjust to rapidly changing technologies in the Information Technology discipline.
3. Students will have ability to solve complex technical problems.
4. Students will be technically qualified and possess the discipline and motivation to function effectively as information technologist.
5. Students will be prepared well in the fundamentals that are necessary for life-long learning.
6. Students will be able to show awareness of social concerns and professional responsibilities in the workplace, and
7. Students will be able to function effectively in team-oriented open-ended activities in an industrial environment.

Program Outcomes:

1. Information Systems Technology graduates will be able to demonstrate communication competencies.
2. Information Systems Technology graduates will be able to demonstrate problem solving competencies
3. Information Systems Technology graduates will demonstrate an appropriate mastery of the knowledge, techniques, skills, and modern tools of their discipline.
4. Information Systems Technology graduates will demonstrate an ability to apply current knowledge and adapt to emerging applications of engineering and technology.
5. Information Systems Technology graduates will demonstrate understanding of ethical and social responsibilities.
6. Information Systems Technology graduates will demonstrate an ability to function effectively on teams.
7. Information Systems Technology graduates will recognize the need to engage in lifelong learning.
8. Information Systems Technology graduates will display a commitment to quality, timeliness, and continuous improvement.
9. Information systems Technology graduates will demonstrate an ability to conduct, analyze, and interpret experiments.

Reserve Officer Training Corps

Air Force ROTC (Aerospace Studies)

Chair: Col. William G. Palmby; Trailer 501, Room 103; 407-823-1247; Fax 407-823-2265

Faculty/Staff: Captain Williams, Captain Boggs, Captain Little, MSgt Fields, TSgt Crawford, 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-year Air Force ROTC programs. The four/three-year program provides on-campus study during the freshman through senior years. The two year program allows community college transfer students and other students with two 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. 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 seek a commission through the Air Force ROTC must complete the POC curriculum. The curriculum involves the study of concepts of leadership and management in the Air Force and an analysis of the formulation and implementation of American defense policy.

Leadership Laboratory

Leadership Laboratory is a required lab that must be taken in conjunction with the academic class. Leadership Laboratory is only open to students who are members of the Reserve Officer Training Corps or are eligible to pursue a commission as determined by the Professor of Aerospace Studies.

Requirements for entry into the Professional Officer Course

- Be at least 17 years of age at the time of acceptance
- Be able to complete the Professional Officer Course and complete all degree requirements prior to reaching age 29 if entering Flight Training, or before age 30 (can be waived to age 35) if entering a non-flying Air Force specialty
- Pass the Air Force Officer Qualifying Test
- Pass an Air Force medical examination
- Pass the Air Force Physical Fitness Test each semester
- Selection by the Professor of Aerospace Studies
- Successful completion of a summer Field Training course (either four or six 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 \$400 or \$500 per month based on their academic classification.

Air Force ROTC Scholarship Program

Scholarships are phased at four, three, and two year opportunities. This system provides opportunities to those students enrolled in certain academic majors. 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 six-week summer course, which includes a modified version of the General Military Course, is required for students entering the two-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 Bryce Christensen; Trailer 501, Room 110

Faculty/Staff: LTC (R) Morales, MAJ Fallon, CPT Cruce, CPT Rosario, CPT Berlew, CPT Broadwell, MSG Svenson, SFC Volpe, SFC South, Ms. Brown, Mr. Rivera; Ms. Betty 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 and compete for an active duty assignment or accept a guaranteed Army Reserve or National Guard position. The program offers both a four-year and two-year option for students working on their Baccalaureate or Graduate degrees. The four-year option requires completion of one military science course and a leadership laboratory that must be taken in conjunction with the academic class every semester. The two-year option allows students with at least two academic years remaining to complete their degrees to meet all requirements for commissioning by receiving placement credit for the first two years (Basic Course) and completing the last two years (Advanced Course). Students may be eligible for the Army's Simultaneous Membership Program (SMP) which combines Reserve Forces Duty with Army ROTC officer training courses on campus. Note: The Army retains sole discretion - in accordance with public law and military regulation - regarding whether or not any applicant is qualified for pre-commissioning education through Army ROTC. More information on the AROTC program can be found on the AROTC Department home page: <http://army.ucf.edu>.

Curriculum

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

1. Basic Military Science

A. The Basic Military Science Course consists of four semesters of classroom instruction of one hour each week and a two hours leadership lab. Students incur no military commitment by participating in the Basic Course, unless they qualify and choose to contract as a scholarship or non-scholarship student. These courses address military organizations, equipment, weapons, map reading, land navigation, management skills, grade structure, communications and leadership. There are non-contractual obligations or commitments for students in the Basic course phase. The Basic Course phase offers students the opportunity to see what Army ROTC is all about (MSL 1001, 1002, 2101, 2102). Students will also participate in a Field Training Exercise (FTX). These general elective courses are normally taken during the freshman and sophomore years and fulfill pre-requisite requirements for entering the Advanced Military Science phase.

B. Requisites for admission to the Basic Course:

- Enrollment in a Baccalaureate or Master's degree program
- Full-time student status

2. Advanced Military Science

A. The Advanced Military Science courses (MSL 3101, 3202, 4301, 4302) consists of four semesters of classroom instruction of two hours each week and a two hours leadership lab that are taken during the junior and senior years. These courses specialize in small unit tactics, how to prepare and conduct military training, military justice system, staff procedures, decision making and leadership. Students who want to pursue a commission as a Second Lieutenant must meet pre-requisite requirements to contract and must obtain permission from the department chair prior to participating in the Advanced course. They must also successfully complete a 32-day Leadership Development and Assessment Course at Fort Lewis, WA, normally between their junior and senior years.

B. Requisites for Admission to the Advanced Course:

- Successful completion of Basic Course, or placement credit
- Must be at least 17 years of age at the time of entry, but not more than 31 years of age at the time of commissioning (31-year age regulation may be waived for veterans up to age 34)
- Successful completion of an Army physical examination
- Agreement to complete the Advanced Course requirements and serve on either Active, Reserve, or National Guard duty as a commissioned officer
- Full-time undergraduate student status (minimum of 12 hours); full-time graduate student status (minimum six hours)
- US Citizen
- A minimum cumulative GPA of 2.0 is required to contract non-scholarship cadets, and a minimum cumulative GPA of 2.5 is required for scholarship consideration.

3. Monetary Allowance

All contracted and scholarship students enrolled in the Basic and Advanced Military Science Courses receive a tax-free monthly stipend of \$300 during the freshman year, \$350 during the sophomore year, \$450.00 during the Junior year and \$500.00 during the Senior school year.

4. Scholarships

Four, three and two-year scholarships are available for all students who qualify on a competitive basis. These scholarships provide full tuition or room and board not to exceed \$10,000 and \$1,200 annually for books and fees. In addition, all contracted scholarship students also receive the monthly stipend during the school year. Contact the Enrollment Officer for additional information at 407-823-5383.

5. Placement Credit

Placement credit for the Basic Course can be offered to students with prior service, 3 years of Junior ROTC, and completion of the Leaders Training Course (see below). Placement credit for prior service is extended to include Active duty, Reserve Forces and National Guard. Although prior service and Junior ROTC waives the Basic Course, a student that qualifies for placement credit may elect to enroll in the Basic Course.

6. Daytona Beach Campus Students

These students should contact the Professor of Military Science at Embry-Riddle Aeronautical University, Daytona Beach, Florida, 904-239-6469. Students will participate in a Field Training Exercise (FTX) and will commission, if qualified, with Embry-Riddle.

Summer Training Courses**1. Basic Course Summer Training (Leader Training Course)**

Under the two year option a student can earn placement credit for the Basic Course by attending a six-week course at Fort Knox, Kentucky. Students attending the summer course receive approximately \$800.00 pay. Additionally, all lodging, meals and transportation are furnished. Uniforms will be provided at no expense to the student.

2. Specialized Summer Training Courses

Qualified students can be selected to attend specialized military training occurring the summer months. These areas of training include: a) Airborne Training; b) Air Assault Training; c) Northern Warfare Training; d) Cadet Troop Leadership Training; and e) Mountain Training.

3. Leadership Development and Assessment Course (LDAC)

All Advanced Course students must attend and successfully pass a five week camp conducted at Fort Lewis Washington prior to receiving a commission as an Army Officer. This camp evaluates a student's leadership performance and potential. LDAC waives the 9 hour summer school requirement for Army ROTC Cadets. Students normally attend LDAC the summer following their junior year and receive approximately \$800 pay for the training.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Engineering and Computer Science are located at:
http://oeas.ucf.edu/alc/alc_students_coecs.htm

COLLEGE OF HEALTH AND PUBLIC AFFAIRS



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:

Stephen Holmes, HPA 365, 407-823-0171

Associate Dean, Undergraduate Studies:

Pamela Kirby, HPA 365, 407-823-0171

Associate Dean, Student/Personnel Affairs:

Melvin Rogers, HPA I 365, 407-823-0171

Associate Dean, Research:

Thomas Wan, BNT 108, 407-823-0170

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

The College fosters excellence in undergraduate and graduate education, research and community services in health, social and justice services. In addition to a PhD program in Public Affairs the College houses both undergraduate and graduate interdisciplinary programs that contribute to a solid educational foundation in public affairs.

General Requirements for the Bachelor's Degree

Some Schools, Departments or Programs in the College are upper division, limited access or restricted programs. Acceptance by or registration at the University does not constitute admission to the following: School of Social Work, and the Programs in Athletic Training, Cardiopulmonary Sciences, Health Information Management, and Radiologic Sciences.

Application must be made to the appropriate program. Additional information regarding prerequisites and minimum grade point averages may be obtained from the desired School, Program, Department, or College website.

The following Departments and Programs do not have restrictions on admissions: Communication Sciences and Disorders, Criminal Justice, Legal Studies, Public Administration, Health Sciences - Pre-Clinical Allied Health Track, and Health Services Administration.

Academic Advisement

Undergraduate Student Services

Executive Director: Judith A. Sindlinger, HPA2 115, 407-823-0010,
 E-mail: hpainfo@mail.ucf.edu

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

Programs and Degrees

| Major | Degree |
|--|------------------|
| Cardiopulmonary Sciences | BS |
| Communication Sciences and Disorders | BA, BS, MA |
| Criminal Justice | BA, BS, MS |
| Health Information Management | BS |
| Health Sciences - Athletic Training | BS |
| Health Sciences - Pre-Clinical Allied Health Track | BS |
| Health Services Administration | BS, MS |
| Legal Studies | BA, BS |
| Public Administration | BA, BS, MPA, MNM |
| Public Affairs | PhD |
| Physical Therapy | DPT |
| Radiologic Sciences | BS |
| Social Work | BSW, MSW |

Department of Communication Sciences and Disorders

Chair: R. J. Lieberman, HPA2 101, 407-823-4798
<http://www.cohpa.ucf.edu/comdis>

Undergraduate Coordinator: Jamie Schwartz
Clinic Director: Tom Ehren, Research Pavilion Suite 155, 407-249-4770

Faculty: Barnes, Barrett, Carson, DiNapoli, Dreilinger, B. Ehren, T. Ehren, Giess, Harden, Harvey, Hostetler, Kent-Walsh, Kong, Lieberman, Nye, Parsons, Ratusnik, Riess, Rivers, Rosa-Lugo, Ruddy, Ryalls, Schwartz, Utt, Vanryckeghem, Whiteside.

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, American Sign Language and Deaf Studies

Certificates: American Sign Language, Language Development and Disorders

Department of Criminal Justice and Legal Studies

Chair: Robert Langworthy, HPA 311, 407-823-2603

Faculty: Applegate, Bast, Bohm, Cook, Craig, Eastep, Fabianic, Flagg, Flint, Ford, Griset, Holmes, Hull, Kirby, Koblasz, Lanier, Lucken, Mahan, Malendevych, B. McCarthy, Milton, Myers, Pons, Randall, Reynolds, Ross, Russo, Sanborn, Scott, Slaughter, Surette, Watkins, Winton, Wolf, Wood.

The Department of Criminal Justice and Legal Studies includes two undergraduate degree programs: Legal Studies and Criminal Justice. The department supports Lambda Alpha Epsilon, the professional Criminal Justice fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society and Phi Alpha Delta the Legal Studies professional society.

Program in Criminal Justice

Criminal Justice is a problem-based field of study which focuses on the nature of crime and crime control agencies in a democratic society. The curriculum reflects the dynamic nature of the field and prepares students for challenging careers in public service.

Program in Legal Studies

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies.

Degrees: Criminal Justice (BA, BS, MS), Legal Studies (BA, BS)

Tracks: None

Minors: Criminal Justice, Legal Studies

Certificates: Crime Analysis and Crime Mapping, Criminal Profiling, Security Management, Victim Advocacy and Crime Scene Investigation

Department of Health Management and Informatics

Interim Chair: Aaron Liberman, HPA2 210, 407-823-2359

Faculty: Cortelyou-Ward, Douglass, Falen, Fottler, Liberman, Lytle, Malvey, Noblin, Oetjen, Pierce, Ramirez, Rotarius, Unruh, Walters, Wan, Zhang.

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 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

Director: K. Cortelyou-Ward, HPA2 210, 407-823-2359

The department offers a baccalaureate degree in Health Services Administration. The baccalaureate degree is designed for students who desire to study the business side of health care. The primary goal of the program in Health Services Administration is to prepare managers to direct a variety of health care organizations such as hospitals, HMO's, clinics and any other organization involved in the delivery or management of health care services. The undergraduate curriculum is consistent with the curricular requirements of the Association of University Programs of Health Administration, stressing administration, policy and planning skills. A diverse health care community offers students a variety of internship experiences as well as providing placement opportunities upon graduation. Faculty members are actively engaged in research relating to management, conflict resolution, occupational stress, outcome assessment, and integrated delivery mechanisms.

Persons within the health care industry with associate of science degrees in areas such as nursing, respiratory therapy, radiologic technologies, medical laboratory technology, dental hygiene, and others may find this program provides a migration path from the clinical side of the health care industry to the leadership side. Students willing to develop a background in the health care industry can build a solid understanding of the complexity of managing health services organizations.

Program in Health Information Management

Director: A. Noblin, HPA2 210, 407-823-2369

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 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 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).

College of Health and Public Affairs

Department of Health Professions

Chair: Diane M. Jacobs, HPA2 210, 407-823-2359

Faculty: Angelopoulos, Bertetta, Douglass, Gosnell, Hanney, Lee, McDonough, Salter, Schellhase, Segal, Smith, Wagner, Worrell.

The Department of Health Professions offers baccalaureate programs which prepare students for professions in the fields of Cardiopulmonary Sciences (Respiratory Care), Health Information Management, Athletic Training, Health Services Administration, and Radiologic Sciences. The Department also offers a degree in Health Sciences - Pre-Clinical Allied Health Track for those planning to go on to a graduate clinical professional program.

The mission of the Department is to provide quality undergraduate and graduate academic, administrative, and clinical instruction with an accent on educating future leaders of the health care system. The Department seeks first to strengthen existing programs, as well as to identify and develop new programs that fulfill a documented need for health care resources and technology. Another goal is to foster the development of knowledge through research, publications, and scientific presentations. Finally, the Department seeks to provide continuing education for the health care community and consumer health education.

The programs in Cardiopulmonary Sciences, Health Information Management, and Radiologic Sciences require a minimum overall GPA of 2.5 for consideration for admission and the Athletic Training program requires a minimum overall GPA of 2.75. In addition, for admission a minimum grade of "C" (2.0) is required for prerequisite courses and required courses within the program. These programs are all accredited by their national professional associations and graduates are prepared to take the appropriate examination for certification.

Program in Cardiopulmonary Sciences

Director: Jeff Ludy, HPA2 210, 407-823-2214

The major in Cardiopulmonary Sciences (also known as respiratory care) leads to the Bachelor of Science Degree. In the professional curriculum, students study respiratory therapy skills, pharmacology, life support techniques, disease and patient assessment, and patient management. Upon completion of the undergraduate program, the baccalaureate prepared individual will possess basic patient care and advanced practice patient care skills and should be prepared to assume a future leadership role within the profession. Graduates will also be prepared to take the entry-level and advanced practice national examinations. These examinations will first lead to licensing by the State of Florida (CRT examination), and then to the advanced practice credential, Registered Respiratory Therapist (RRT examination).

The Cardiopulmonary Sciences program is accredited by the Committee on Accreditation for Respiratory Care in conjunction with CAAHEP of the American Medical Association. The cardiopulmonary sciences program is a limited access program and requires a separate application to the program submitted by March 1st of the year in which admission to the program is sought.

Degrees: Cardiopulmonary Sciences (BS)

Tracks: None

Minors: None

Program in Health Sciences-Athletic Training Track

Director: K. Schellhase, HPA2 124, 407-823-3463

The Program in Athletic Training at the University of Central Florida is a track in the Health Sciences. The athletic training track is a six semester program where students complete 12-15 credits per semester while engaged in clinical affiliations. The core of athletic training coursework emphasizes the competencies and proficiencies necessary for successful clinical practice in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the educational process is the series of clinical experiences that occur in a variety of settings under the direction of an approved clinical instructor and certified athletic trainer. These local affiliation sites include high schools, colleges, universities, rehabilitation clinics, and professional athletic organizations. Upon successful completion of the course of study, the graduate with a Bachelor of Science degree in Health Sciences – Athletic Training Track is eligible to take the National Board of Certification (BOC) Exam. By successfully passing the exam, the graduate will be recognized as a certified athletic trainer (ATC). The Program in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). This is a competitive program that requires a separate appli-

cation process following acceptance into the University. Consent from the program director is required.

Degrees: Health Sciences (BS)

Tracks: Athletic Training

Minors: None

Program in Health Sciences-Pre-Clinical Allied Health Track

Director: David M. Segal, Ph.D., HPA2 210M, 407-823-6761,

E-mail: dsegal@mail.ucf.edu

<http://www.cohpa.ucf.edu/health.pro/hsgbs.cfm>

This program is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to programs such as physical therapy, occupational therapy and physician assistant programs. Students with this preparation could also pursue graduate programs in Public Health, Environmental Health, or Health Services Administration.

Degrees: Health Sciences (BS)

Tracks: None

Minors: Health Sciences

Program in Radiologic Sciences

Director: S.D. Gosnell, HPA2 210, 407-823-2747

The University of Central Florida offers the only public accredited Bachelor of Science in Radiologic Sciences limited access degree program in Florida. The Radiologic Sciences Program offers entry-level students the opportunity to specialize in conventional radiography and the advanced imaging modalities. Radiographers are integral members of the health care team dedicated to providing high quality patient care. Graduates are prepared to function as clinically competent radiographers and, with experience, advance to leadership positions in the profession.

The University of Central Florida also sponsors an A.S. to B.S. transfer program designed for ARRT certified radiographers interested in combining their professional development with earning a baccalaureate degree in Radiologic Sciences. Didactic courses for the entry-level and the A.S. to B.S. transfer programs are offered in the classroom and on the internet. Additional information regarding the transfer program is provided in the "Statewide Articulated A.S. to B.S. Programs" section of the catalog.

The primary role of radiographers is to perform medical imaging procedures for the diagnosis of disease and injury. The radiographer enjoys an interesting and challenging variety of examinations/procedures which may include conventional radiography, fluoroscopy, mammography, vascular imaging, computed tomography and magnetic resonance imaging. Employment opportunities are available in hospitals, imaging centers, and private physician offices. Career advancement opportunities include positions in advanced imaging modalities, administration, education, and quality management.

The Radiologic Sciences Program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Graduates are eligible to apply for admission to the Radiography certification exam administered by the American Registry of Radiologic Technologists (ARRT).

The program works in conjunction with area hospitals and imaging centers.

Degrees: Radiologic Sciences (BS)

Tracks: None

Minors: None

Department of Public Administration

Chair: Mary Ann Feldheim, HPA2 238, 407-823-2604

Faculty: Bryer, Colby, Collins, Feldheim, Jurie, Korosec, Kapucu, Lawther, Liou, Morin, Rogers, Wang.

The Department of Public Administration offers a variety of degrees, minors and a certificate providing students with a broad understanding of public and nonprofit management. The public sector is vast and includes over 20 million employees, and the nonprofit sector has expanded to nearly half that number as governments transition the provision of services through nonprofit organizations. The Department prepares students for professional careers in public service at the city, county, state and federal levels. Currently the public sector in the United States includes over 87,000 governments, of which the federal government is but one. The Bachelor of Arts or Science degrees with

a major in Public Administration enable students to attain entry level positions in government and other nonprofit organizations. Those seeking senior management and executive positions are strongly encouraged to pursue the Master of Public Administration (MPA) or Master of Nonprofit Management (MNM). Students with interests that go beyond the Masters level may also pursue a Ph.D. in Public Affairs.

There are numerous public and nonprofit employment opportunities with jobs available in nearly every area of specialization. For instance, public servants include engineers, accountants, fire fighters, police, physicians, nurses, botanists, chemists, nutritionists, project managers, community planners, city and county administrators, social workers, psychologists, psychiatrists, policy analysts, grant writers, contract managers, quality assurance managers and evaluators. The range of employment opportunities is extraordinary and includes a variety of management and staff positions in environmental protection, homeland security, human resources, nonprofit management, urban planning, economic development, policy and administration and emergency management, among others. The salaries are generally competitive with private industry, despite common misconceptions to the contrary. Employment in the public and nonprofit sector provides graduates with the opportunity to "make a difference" in their communities on a national, state or local level.

Degrees: Public Administration (BA, BS, MPA, MNM)

Tracks: None

Minors: Public Administration, Urban and Regional Planning,
Emergency Management and Homeland Security,
Non-Profit Management Minor with American Humanics
National Certification Program

Certificates: Nonprofit Management

School of Social Work

Director: John Ronnau, HPA 204, 407-823-2114

Faculty: Abel, Allgood, Bricout, J. Davis, L. Davis, Gammonley, Harris, Kohn, Lawrence, Leon, Molina, Ramos, Rothenberg.

The School of Social Work BSW Program (undergraduate social work program) prepares baccalaureate level students for entry level positions within diverse human service organizations. Today social workers are continuing their efforts in Congress, hospitals, mental health centers, schools, substance abuse programs, neighborhood centers, nursing homes, homeless shelters, hospice programs, and many other settings. Social workers work with people from all backgrounds to help them find ways to live richer and more productive lives.

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

The strengths perspective is central to the social work profession emphasizing resources, capabilities, resilience, and sees obstacles as challenges. We help anytime, anywhere. Help Starts Here!

The School of Social Work also offers Certificate Programs in Aging Studies, Children's Studies, and Addictions with special concentrations in these areas. 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: Addictions, Aging Studies, Children's Services

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Health and Public Affairs are located at:

http://oeas.ucf.edu/alc/alc_students_cohpa.htm



COLLEGE OF MEDICINE



College of Medicine

Dean: Deborah C. German, M.D., University Tower, 3rd Floor; 407-823-1841
<http://www.med.ucf.edu/>

The University of Central Florida (UCF) College of Medicine was established in 2006 by the Florida Legislature and the Florida Board of Governors to increase opportunities for medical education in Florida, address the nationwide growing shortage of physicians, and provide economic benefits to Central Florida and the State. The College of Medicine will offer a Doctor of Medicine (M.D.) degree program beginning Fall 2009.

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; HPA II 335J; 407-823-5932; Fax 407-823-3095

The Burnett School of Biomedical Sciences in the College of Medicine offers bachelor degrees in Molecular Biology and Microbiology and Biotechnology that prepare students for admission to 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. and Ph.D. programs in the Biomedical Sciences. The M.D. Program will partner with the UCF Pre-Health Professions Advising Office, 407-823-2670, to assist in the preparation of applicants for admissions. Details on the application process are available on the College of Medicine web site (<http://www.med.ucf.edu/>). At this time, the School has over 1,700 undergraduate students and as many as 100 graduate students.

Faculty and students are conducting research in cancer as well as 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 Sciences Center, and the Pre-Health Professions Advisement Office.

Programs and Degrees

Program
 Molecular Biology and Microbiology
 Biotechnology

Degree
 B.S., M.S., Minor
 B.S., M.S.,
 M.S./M.B.A.
 B.S.
 Ph.D.

Medical Laboratory Sciences
 Biomedical Sciences

Department of Molecular Biology and Microbiology

Chair: P.E. Kolattukudy; BL 136; 407-823-1312
Associate Chair: Roseann White; HPA 2, 335J; 407-823-5932
Undergraduate Coordinator: Dorilyn Hitchcock; HPA II 335A; 407-823-5932

Graduate Coordinator: Saleh Naser; BL 221; 407-823-0956
Faculty: R. Ahangari; R. Borgon; E. Bossy-Wetzel; K. Chai; D. Chakrabarti; R. Chakrabarti; S. Chan; J. Cheng; A. Cole; H. Daniell; S. Ebert; C. Fernandez-Valle; M. Fu; R. Gennaro; D. Hitchcock; K. Ireton; A. Khaled; P. Kolattukudy; G. Lopez; W. Lopez-Ojeda; Y. Lu; M. Muller; S. Naser; W. Safranek; M. Samsam; W. Self; D. Singla; K. Sugaya; S. Tatulian; K. Teter; J. Turkson; G. Weigle; R. White; A. Zervos.

The Department of Molecular Biology and Microbiology offers a Bachelor of Science degree, a Master of Science degree and a Minor in Molecular Biology and Microbiology. The department also offers a Bachelor of Science degree in Medical Laboratory Sciences and a new Bachelor of Science degree in Biotechnology. The Molecular Biology and Microbiology programs prepare students for entry into any professional schools in health sciences, such as medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry. The Department's programs also prepare students entering the technical workforce in biotechnology, pharmaceutical and/or any other medical technology industry. The Department is a major partner in the interdisciplinary Ph.D. program in Biomedical Sciences. Students seeking admission to such professional programs should follow the Molecular Biology and Microbiology Preprofessional Concentration.

Program in Molecular Biology and Microbiology

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

Degrees: Molecular Biology and Microbiology (B.S., M.S.)
Molecular Biology and Microbiology Preprofessional Concentration (B.S.)

Tracks: None

Minors: Molecular Biology and Microbiology

Molecular Biology and Microbiology UCF/USF Accelerated Medical School Program (B.S.)

Students must apply for this program through the Burnett Honors College prior to attending UCF. Eligibility requirements include Florida residency, unweighted minimum high school GPA of 3.7 and SAT score of 1300 or ACT score of 29. More information about the admission process can be found in the catalog under: *Burnett Honors College: UCF/USF Accelerated Medical School Program*.

Students desiring admission to USF College of Medicine [USFCOM] through the accelerated program will meet all USFCOM admission requirements and obtain a B.S. in Molecular Biology and Microbiology after completion of first year of the medical school curriculum.

Program in Biotechnology

Director: 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: Dorilyn Hitchcock; HPA 2 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 skills essential to assume leadership roles in management and education; to develop 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, and 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 (NAA-CLS-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)

Academic Advisor: Cynthia Contreras; HPA 2 335H; 407-823-5787;

Academic Advisor: Ana Maria Schwindt; HPA 2 335G; 407-823-1259

E-mail: bcbsinfo@mail.ucf.edu

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

Biomolecular Science Center

Director: P.E. Kolattukudy; BL 136; 407-823-1312

The mission of this university-wide interdisciplinary academic center is to establish vibrant research and training programs under the general theme, "Molecular and Genomic Bases of Diseases and Therapeutics." The Center research is focused in four areas: cancer, cardiovascular disease, infectious disease, and neurodegenerative disease.

The Biomolecular Science Center in the College of Medicine currently works with the Office of Research and the broader UCF research community to establish state-of-the-art research infrastructure and core facilities to support research in modern life sciences.

Within the next five years, the Center plans to establish at least 20 new faculty research teams in Biomedical Sciences within its theme area. Additional faculty will be hired in partnership with other academic units including the College of Optics and Photonics and the Nanoscience and Technology Center. Together with the existing faculty, this growth in biomedical sciences is expected to create a critical mass of people conducting interdisciplinary research at the cutting edge in biomedical sciences that can have a significant impact on the biomedical technology industry of the region and the state.

The Biomedical Sciences Ph.D. is a major vehicle for training. In addition, the center intends to help establish new degree programs in cooperation with other academic units to generate a skilled work force that can serve the region and state's growing biomedical biotechnology industry.

Degrees: Biomedical Sciences (Ph.D.)

Tracks: None

Minors: None

Pre-Health Professions Advisement Office

Director: Genaro Lopez; HPA 124; 407-823-2670

The Pre-Health Professions Advisement Office serves students university-wide in preparing for and seeking admission to professional health science schools, such as medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry.

For more information regarding this office, please refer back to the "Academic Advising" section of this *Undergraduate Catalog*.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Medicine are located at: http://oeas.ucf.edu/alc/alc_students_bcbs.htm

COLLEGE OF NURSING

College of Nursing

Dean: Jean Leuner, HPA 220, 407-823-5496

Associate Dean: Linda Hennig, HPA 220, 407-823-5496

Associate Dean: Jean Kijek, HPA 220, 407-823-5496

Faculty: Ahern, Allred, Amidei, Andrews, Ark, Aroian, Blackwell, Bushy, Byers, Covelli, Dennis, Desmarais, Dornier, Draves, Duvall, Guimond, Harper, Heglund, Hennig, Hoyt, Hunt, Kijek, Kubiet, Ladores, Lafferty, LaManna, Lange, Leli, Loerzel, Mayer, Morse, Neubauer, Rash, Ricci, Robinson, Rudner, Ruland, Sheplan, Smith, Sole, Talbert, Wink

The College of Nursing is the 12th college to be established at the University. It was established as a Department of Nursing and graduated its first class in 1981. The College has achieved prominence as an innovator in nursing education, responding to a changing population with complex health care needs. The faculty of the College values access to education and embraces opportunities to utilize advanced technology, innovation and creativity to provide graduates with the highest quality education at the baccalaureate, master's and doctoral levels.

Today's challenging health care environment provides unique opportunities for nursing. Nurses are needed more than ever to provide evidence-based patient care, serve in leadership roles, teach, engage in research, and influence policy.

The mission of the College of Nursing is to provide excellence in nursing education, research and service to develop clinicians, leaders and scholars who promote the health of diverse populations at the local, state, national and international levels. This mission is accomplished by: focusing on vulnerable populations, innovative technology and health systems and policy; creating interdisciplinary and community partnerships; providing multi-modal, multi-site access for career advancement and professional development.



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 Bachelor of Science in Nursing option. The BSN graduate is prepared to provide comprehensive care in a variety of acute, community, and rehabilitative settings. The Program emphasis includes clinical nursing practice, health promotion and maintenance, and preparation for assuming leadership roles. The baccalaureate curriculum provides the foundation for graduate study in nursing.

The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN. Registered nurses are eligible for admission into the RN to BSN Program at UCF. 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-BSN program. Courses are offered in Orlando, Cocoa, Daytona Beach, Leesburg and Ocala campuses, as well as via the Internet.

The goal of the Master of Science in Nursing (MSN) program is to prepare advanced practice nurses to assume leadership positions in a variety of healthcare settings. Program tracks include Nurse Practitioner (Family, Adult, or Pediatric), Clinical Nurse Specialist, Clinical Nurse Leader, Nurse Educator, and Nursing Leadership and Management. Minimum hours for the degree are 36-49 hours of grad-

uate work depending on the major. An evidence-based scholarly project is required. Student 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 College of Nursing BSN and MSN programs are accredited by The Commission on Collegiate Nursing Education (CCNE). The BSN Program is approved by the Florida Board of Nursing. All programs are limited access and require a separate application to the College of Nursing.

Degrees: Nursing (BSN) (MSN) (PhD) (DNP)

Tracks: RN to BSN, Basic BSN, Accelerated BSN degree, AS to BSN, RN to MSN

Minors: None

General Requirements for the Bachelor's Degree

■ Programs in the College of Nursing are upper division, limited access programs.

- Acceptance by or registration at the University does not constitute admission to the College of Nursing.
- Application must be made to the appropriate program in Nursing. Additional information regarding prerequisites and minimum grade point averages may be obtained from the College Web site: <http://www.nursing.ucf.edu>

Academic Advisement Office of Undergraduate Student Services

HPA 220

The College of Nursing Office of Undergraduate Student Services assists undergraduate nursing 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 and FPCE, The College of Optics and Photonics

Dean and Director: Eric W. Van Stryland; 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 (the Center for Research and Education in Optics and Lasers) and FPCE (the Florida Photonics Center of Excellence) are research centers within the College but CREOL predates the College by many years and we are best known internationally under this name. It 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 and FPCE 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 26 faculty members, 50 Ph.D. level research scientists, and 167 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.

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, and light matter interaction. These programs are supported by over \$17 million of research grants and contracts annually from numerous federal and state agencies and industry.

Graduate assistantships, with stipends ranging from \$20,000 to \$26,000, plus full tuition waivers, are available to outstanding students pursuing graduate education in optics and photonics. Research training opportunities are also available to undergraduate students through the Research Experience for Undergraduates (REU) program sponsored by the National Science Foundation, and other research grants and contracts.

CREOL has a very active Industrial Affiliates Program to facilitate strong cooperative relations with industry. The program provides industry with benefits of cutting-edge research and access to the expertise and facilities of CREOL. Faculty members also team with Florida-based small businesses to help them compete for federally sponsored Small Business Innovative Research (SBIR) programs. The program provides industry with effective ways to contribute to and sustain the research and teaching of optics and photonics.



College of Sciences

Dean: Peter Panousis; CSB 201A; 407-823-1997
<http://www.cos.ucf.edu>

Associate Dean: Michael Johnson, CSB 201A, 407-823-3491
Associate Dean: Jack McGuire, CSB 201A, 407-823-3684
Associate Dean: Haven Sweet, CSB 201A, 407 823-2992

The College of Sciences, the largest academic unit at the university, educates and conducts research in physical, life, social, and behavioral sciences. The College houses the departments of Anthropology, Biology, Chemistry, Mathematics, Physics, Political Science, Psychology, Sociology, and Statistics and Actuarial Science; 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 49 baccalaureate, graduate, certificate, and pre-professional programs. For additional information concerning graduate programs, please refer to the Graduate Catalog: <http://graduate.ucf.edu/currentGradCatalog/>

Undergraduates enrolled in the College must fulfill all University degree requirements, including those for general education, as well as the requirements of the degree program. To be certified for graduation, a student must achieve at least a "C" GPA (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in specified courses and/or in portions of the program of study. Consult the program requirements and a departmental advisor for

specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not satisfy the requirement unless specifically permitted within the major.

Preprofessional Programs

Prelaw Program

Prelaw Advisor: Roger Handberg; CNH 414; 407-823-2608

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts or science background, regardless of major field. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that applicants take the Law School Admission Test (LSAT). General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-Law Advisor. Advisement within the major is provided by the department offering the major.

Prehealth Professions

The College of Sciences offers many of the courses that fulfill admission requirements for professional schools in the Health Sciences. Refer to the Biology Preprofessional program of study for additional information.

Advisement

College of Sciences, Academic Services (COSAS)

Director of Undergraduate Services: Lee Anne Kirkpatrick; CSB 250; 407-823-6131; E-mail: cosas@mail.ucf.edu
<http://undergrad.cos.ucf.edu/>

The College of Sciences Academic Services (COSAS) is the primary office for undergraduate academic assistance for the College of Sciences. COSAS assists students with degree requirements, policies, and procedures as well as coordinates orientation, registration, readmission, and graduation. Questions concerning University and College academic policies and requirements should be directed to COSAS. Questions concerning the requirements within a major or minor should be directed to the department offering the program. The student should contact the department early in his/her academic career. For additional information about COSAS, please visit our website.

Programs and Degrees

| Title | Degree |
|--|------------------------|
| Actuarial Science | BS, MS Track |
| Advertising/Public Relations | BA |
| Anthropology | BA, MA, Minor |
| Astronomy | Minor, BS Track |
| Biology | BS, MS, PhD, Minor |
| Biology-Pre Health Professional | BS Track |
| Biomedical Sciences | PHD |
| Chemistry | BS, MS, PhD, Minor |
| Communication | MA Science, MS |
| Interpersonal and Organizational Communication | BA, Minor |
| International Studies | BA track, Minor |
| Journalism | BA |
| Magazine Journalism | Minor |
| Mathematics | BS, MS, PhD, Minor |
| Mass Communication | Minor |
| Physics | BS, MS, PhD, Minor |
| Political Science | BA, MA, Minor |
| Political Science-Pre Law | BA Track |
| Psychology | BS, MA, MS, PhD, Minor |
| Radio/Television | BA |
| Social Sciences Interdisciplinary | BS, Minor |
| Sociology | BA, MA, PhD, Minor |
| Statistics | BS, MS, Minor |

Departments and Programs

Department of Anthropology

Chair: A. Chase; PH 309; 407-823-2227;
E-mail: anthropology@ucf.edu
<http://www.cos.ucf.edu/anthro/>

Faculty: Barber, A. Chase, D. Chase, Dupras, Geiger, Howard, D. Jones, Lieberman, Long, Matejovsky, McIntyre, Schultz, Silver, Sinnelli, Stearman, Walker, Wallace, Zorn

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 tracks 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)

Tracks: Cultural Competency (MA), Archaeological Investigations in Forensics and Human Adaptations (MA), Maya Studies (MA)

Minors: Anthropology (concentrations in general, archaeology, cultural, or physical), Anthropology in Multicultural Studies, Native American Indian Studies

Department of Biology

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

Faculty: Bayer, Borst, Calestani, Crampton, Fauth, Fedorka, Harris, Hinkle, Hoffman, Jenkins, Logiudice, Morrison-Sheltar, Nadeau, Noss, , Parkinson, Quigley, Quintana-Ascencio, Roth, Shetlar, Sotero-Esteva, , Thomas, Vajravelu, Von Holle, von Kalm, Walters, Waterman, Weishampel, Worthy.

Professors Emeritus: Ehrhart, Ellis, Kuhn, Koevenig, Snelson, Sweet, Taylor

The Department of Biology offers a Bachelor of Science in Biology, a Minor in Biology, the Master of Science in Biology, a graduate Certificate in Conservation Biology, a Ph.D. in Conservative 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 opens career opportunities for graduates in areas outside of their particular degree program. Graduates are well prepared to further their education in 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 contracts.

Degrees: Biology (BS, MS, PhD)

Tracks: Biology Pre-professional (BS)

Minors: Biology

Department of Chemistry

Chair: Kevin D. Belfield; CH 117; 407-823-2246
E-mail: chemstaf@mail.ucf.edu
<http://www.cos.ucf.edu/chemistry>

Associate Chair and Undergraduate Coordinator: Cherie L. Geiger; CH 325; 407-823-2135

Faculty: J. Ballantyne, K. Belfield, A. Campiglia, C. Clausen, D. Diaz, S. Elsheimer, B. Fookes, C. Geiger, A. Gesquiere, M. Hampton, F. Hernandez, J. Hickman, E. Kluger, Q. Huo, S. Kuebler, F. Kujawa, S. Mallik, A. Masunov, G. Mattson, H. Miles, M. Perez, R. Petzold, O. Phanstiel, T. Selby, M. Sigman, S. Santra, L. Zhai

The Department of Chemistry offers courses and programs leading to a Bachelor of Science in Chemistry, a Bachelor of Science in Forensic Science, a minor in Chemistry, a Master of Science in Industrial Chemistry, Master of Science in Forensic Science, and a Ph. D. in Chemistry. The department also participates in the Ph.D. in Biomolecular 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, Forensic Analysis, Forensic Biochemistry

Minors: Chemistry

Nicholson School of Communication

Director: TBA; COM 238; 407-823-2681;
E-mail: communication@ucf.edu
<http://www.cos.ucf.edu/communication>

Faculty: Akita, Bagley, Barfield, Bledsoe, Brown, Brunson, J. Butler, Collins, DeLorme, Hall, Hanlon, Hastings, Hodgson, Ihde, Katt, Kenney, Major, Malala, McCain, Neel, Pryor, Rice, Santana, Smith, Sublette, Thompson, Voss, Weger, M Wagner, Workman
Faculty Emeriti: Meeske, O'Keefe, Taylor, Wycoff

The Nicholson School of Communication provides students with a balance of practical skills and philosophical aspects of communication. The programs prepare students to understand mass media as social

College of Sciences

institutions and train them for professional careers. The School is composed of four Areas each of which offer a Bachelor of Arts degrees. The degrees are:

1. Advertising/Public Relations. Provides theory and practice in both advertising and public relations.
2. Interpersonal & Organizational Communication. Provides knowledge, theory, and skills needed to understand and predict human communicative behavior, necessary for employment in business, sales, and NPOs, or as background for advanced study in graduate school.
3. Journalism. Provides theory and skills needed to gain employment in newspapers, magazines, and similar forms of mass communication.
4. Radio-Television. Provides theory and skills needed for careers in radio, television, and related forms of electronic communication.

Facilities

The Radio-Television Area has fully-equipped audio and video production facilities, a complete multi-camera television studio, an online radio station, and laboratories for interactive multimedia. The Journalism Area has computer labs and a digital darkroom. The Advertising/Public Relations Area has a computer writing lab. The Interpersonal/ Organizational Communication Area has a presentational speaking classroom equipped for audio/video record/playback and computerized visual presentation. The Area also has a small group laboratory equipped with audio/video record/playback.

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

Specializations: Broadcast Journalism, Production, Broadcast Generalist, News Writing, Visual Communications, Editing

Minors: Interpersonal/Organizational Communication, Magazine Journalism, Mass Communication

Department of Mathematics

Chair: Piotr Mikusinski; MAP 209; 407-823-2826
E-mail: math@mail.ucf.edu
<http://math.ucf.edu>

Associate Chair/Undergraduate Coordinator: Heath Martin; MAP 215A; 407-823-5700

Faculty: Brennan, Cannon, Capusi, Choudhury, Clarke, Dunlop-Pyle, Dutkay, Dutton, Griffiths, Han, Higgins, Islas, Ismail, Kassab, Katsevich, Kaup, Lee, Li, Martin, Mikusinski, Mohapatra, Moore, Nashed, Nicholson, Ou, Pensky, Phillips, Qi, Reid, Ren, Richardson, Rollins, Schober, Shivamoggi, Song, Sun, SwansonTamasan, Tovbis, Vajravelu, Yong, Young, Zhao

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

1. Students who desire to pursue careers in mathematics after having completed a baccalaureate degree;
2. Students who desire to continue their education in graduate and professional schools; and
3. Students who need to use advanced mathematics as a tool in their 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. There are the usual service courses in pre-calculus and calculus along with strong programs in the upper division in the traditional areas of algebra and analysis and applied mathematics.

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

Degrees: Mathematics (BS, MS, PhD)

Tracks: Applied Mathematics, Computational Mathematics, Engineering/Physics, Mathematical Economics, Mathematics, Pure Mathematics

Minors: Mathematics

Department of Physics

Chair: Talat Rahman; MAP 310; 407-823-2325;
E-mail: physics@ucf.edu
<http://www.physics.ucf.edu>

Associate Chair: Lee Chow; MAP 315; 407-823-2333

Faculty: Bhattacharya, Bindell, Bose, Britt, Brueckner, Campins, Chernyak, Chow, Colwell, Del Barco, Dubey, Efthimiou, Fernandez, Flitsiy, Harrington, Heinrich, Johnson, Kara, Khondaker, Kokouline, Leuenberger, Luo, Martin, Montgomery, Mucciolo, Neighbor, Peale, Rahman, Roldan-Cuenya, Saha, Schelling, Schulte, Stolbov, Tonner, Velissaris

Faculty Emeritus: Brennan, Llewellyn

Visiting Faculty: Cooney, Ngwa, Zhmudskyy

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 as varied as engineering physics, computational physics, and physics education. Undergraduate physics majors benefit from small class sizes, and are encouraged to be involved in individually designed senior projects working with a faculty advisor.

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

Degrees: Physics (BS, MS, PhD)

Tracks: General Physics, Materials Physics, Optics & Lasers, Computational Physics, Astronomy

Minors: Astronomy, Physics

Department of Political Science

Chair: R. Handberg; PH 302; 407-823-2608;
E-mail: politics@ucf.edu
<http://www.cos.ucf.edu/politicalscience>

Faculty: Benson, Bradford, Conroy, Dupuis, Fine, Hamann, Handberg, Houghton, Jacques, Jaeger, Jewett, Kiel, Kim, Kinsey, Knuckey, Lanier, Li, Morales, Pollock, Sadri, Schraufnagel, Vittes, Wilson, Young

The Department of Political Science seeks to:

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

Students should plan their major or minor in consultation with their departmental advisor according to their interests and career objectives. Political Science courses are divided into three areas of specialization: American Politics and Policy; International Relations and Comparative Politics; and Political Theory. It is strongly recommended that majors planning to continue their education at the graduate level or to pursue a career in international fields acquire a working knowledge of a foreign language. The Department of Political Science participates in the following programs:

- Asian Studies: Contact Houman Sadri.
- Environmental Studies: Contact Dwight Kiel or Peter Jacques.
- European Studies: Contact Kerstin Hamann
- Global and International Studies: Contact Waltraud Q. Morales
- Latin American and Iberian Studies: Contact Waltraud Q. Morales or Bruce Wilson or Annabelle Conroy.
- Space Studies: Contact Roger Handberg
- Women's Studies: Contact Terri S. Fine or Annabelle Conroy.

Degrees: Political Science (BA, MA)
Tracks: American Politics, International Relations
 Comparative Politics, International Studies, Prelaw
Minors: Political Science, Political Science/Prelaw

Department of Psychology

Chair: R. Dipboye; PSY 301L; 407-823-2216;
 E-mail: psychology@ucf.edu
<http://psychology.cos.ucf.edu/>

Associate Chair: T. Hernandez; PSY 301; 407-823-2216

Faculty: Azimi, Bedwell, Beidel, Berman, Brophy, Cassisi, Chin, Cox, DeChurch, Dipboye, M. Dunn, S. Dunn, Fouty, Fritzsche, Ghasinejad, Gilson, Hancock, Hernandez, Hickey, Hitt, Janowsky, Jensen, F. Jentsch, K. Jentsch, M. Kennerley, R. Kennerley, Lavooy, Le, McConnell, McGuire, Mottarella, Mouloua, Murdoch, Negy, Pritchard, Rapport, Renk, Reynoso, Rinalducci, Sager, Salas, Saunders, Shirkey, Simpson, 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, Behavioral Forensics Certificate

Department of Sociology

Chair: J. Corzine; PH 403B; 407-823-3744
<http://sociology.ucf.edu/>
Associate Chair: E. Grauerholz

Faculty: Barrett, Canan, Carter, Corzine, Dees, Dietz, Ford, Gay, Goldstein, Grauerholz, Huff-Corzine, Jasinski, Lynxwiler, Marshall, Morris, Mustaine, 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, 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.

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), Social Sciences Interdisciplinary (BS)
Tracks: Domestic Violence (MA)
Minors: Sociology, Social Sciences Interdisciplinary

Department of Statistics and Actuarial Science

Chair: D. Nickerson; CCII 206; 407-823-5528
<http://www.cos.ucf.edu/statistics>

Faculty: Carta, Cutchins, Gau, Han, Johnson, Kellison, Modisett, Maboudou-Tchao, Ni, Pensky, Pepe, Ren, Richardson, J. Schott, S. Schott, Su, Uddin, Wang

The Department of Statistics and Actuarial Science offers courses and programs leading to a Bachelor of Science in Statistics, a Bachelor of Science in Actuarial Science, a minor in Statistics, and a Master of Science in Statistical Computing with tracks in Data Mining and Actuarial Science. (See the Graduate Studies catalog for a description of the M.S. in Statistical Computing.)

The undergraduate programs in statistics and actuarial science are designed to serve 1) students who desire to pursue careers in statistics or actuarial science 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 or actuarial science as tools in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Statistics and Actuarial Science 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, statistical computing, and actuarial science. A limited number of assistantships are available for qualified graduate and undergraduate students.

Degrees: Statistics (BS, MS tracks), Actuarial Science (BS)
Tracks: None
Minors: Statistics

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Sciences are located at: http://www.o eas.ucf.edu/alc/alc_students_cosci.htm

ROSEN COLLEGE OF HOSPITALITY MANAGEMENT



Rosen College of Hospitality Management

Dean: Abraham Pizam; 9907 Universal Boulevard, Suite 231-H
Orlando, FL 32819; 407-903-8010
<http://www.hospitality.ucf.edu>

Associate Dean: Stephen LeBruto;
9907 Universal Boulevard, Suite 231-A; 407-903-8015

Orlando Campus Academic Advising:
Classroom Building I, 302H; 407-823-1112

Faculty: Ashley, Breiter, Bunn, Chen, Choi, Croes, Dickson, Fisher, Fjelstul, Jackson, Hara, Hua, Hutchinson, Iskat, Juge, Jung, Kaufman, Kwun, Lee, Logan, Lynch, McDowall, Milman, Muller, Murphy, Naipaul, Nusair, Okumus, Parsa, Ray, Ro, Rompf, Ross, Scantlebury, Severt D, Severt K, Smith, Terry, Tesone, Wang

The hospitality industry represents the second largest employer in the United States and is the major part of the rapidly growing services sector of the economy. Because of its unique location in the premier tourist destination in the world, the Rosen College of Hospitality Management is ideally situated to prepare students for leadership careers in the hospitality industry. Whether the student is interested in entering lodging, food service, travel and tourism, financial 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.
- 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.
- American Resort Development Association (ARDA) Professorship of Vacation Ownership.
- Central Florida Hotel and Lodging Association (CFHLA) Professorship of Convention and Conference Management.
- Hospitality Financial and Technology Professionals (HFTP) Professorship of Hospitality Financial Management and Technology.

Degrees: Event Management (BS), Hospitality Management (BS)
Restaurant and Food Service Management (BS)

Tracks: Vacation Ownership Resort Management; Theme Park and Attraction Management; Tourism Management; Lodging Management; Hospitality Financial Management and Technology; 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



Office of Undergraduate Studies

Dean: Alison Morrison-Shettlar; MH 218; 407-823-2373

Associate Dean: Elliot Vittes; MH 210; 407-823-2691

The Office of Undergraduate Studies supports the colleges and units in their curricular planning, collaborates with faculty curricular oversight, works with faculty and administrators to assure the strength of university wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning experience to UCF students. Interdisciplinary academic programs such as the Bachelor of Applied Sciences are part of this office as is the Office of Academic Services.

Degrees: Applied Science (BAS)

Office of Interdisciplinary Studies

Director: Michael Hampton; Classroom Bldg I, Suite 302; 407-823-0144; E-mail: is@mail.ucf.edu

Program Contact: Interdisciplinary Studies Advising Team

Academic Advisors: Jessica Broerman, Lee Logan, Sandra Tabert

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 five different tracks from which to choose. There are also two minors and a certificate program.

Degrees: Interdisciplinary Studies (BA, BS, MA, MS)

Tracks: Interdisciplinary Studies, Liberal Arts, Environmental Studies, Women's Studies, Nanoscience & Nanotechnology

Minors: Environmental Studies, World Comparative Studies

Certificates: Cultural Tourism

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs for Undergraduate Studies are located at: http://www.oas.ucf.edu/alc/alc_students_us.htm

UCF DEGREE PROGRAMS

| | | |
|--|--|--|
| Accounting | English - Creative Writing | Mechanical Engineering |
| Actuarial Science | English - Literature | Mechanical Engineering - Accelerated Undergraduate-Graduate Program |
| Advertising/Public Relations | English - Technical Communication | Medical Laboratory Sciences |
| Aerospace Engineering | English Language Arts Education | Modern Language Combination |
| Aerospace Engineering - Accelerated Undergraduate-Graduate Program | Environmental Engineering | Molecular Biology and Microbiology |
| Anthropology | Event Management | Molecular Biology and Microbiology - Preprofessional Concentration |
| Applied Science (BAS) A.S. to B.S. Track | Exceptional Student Education | Music |
| Art | Film - B.F.A. | Music - Jazz Studies Track |
| Art - History Track | Film - Cinema Studies Track | Music - Music Composition Track |
| Art - Studio Track | Film - World Cinema Track | Music - Music Performance Track |
| Art Education | Finance | Music Education |
| Biology | Foreign Language Education - French | Nursing |
| Biology - Preprofessional Concentration | Foreign Language Education - Spanish | Nursing - Accelerated Second Degree B.S.N. Option |
| Biotechnology | Forensic Science - Analysis Track | Nursing - A.S. to B.S.N. Track |
| Business Administration | Forensic Science - Biochemistry Track | Nursing - R.N. to B.S.N. Program |
| Cardiopulmonary Sciences | French | Nursing - R.N. to M.S.N. Option |
| Chemistry | General Business | Nursing - SCC/UCF ASN to BSN enrollment option |
| Civil Engineering | General Business - A.S. to B.S. Track | Philosophy |
| Communication Sciences and Disorders | Health Information Management | Photography |
| Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program | Health Sciences - Athletic Training Track | Physics |
| Computer Engineering | Health Sciences - Pre-Clinical Allied Health Track | Political Science |
| Computer Engineering - Accelerated Undergraduate-Graduate Program | Health Services Administration | Political Science - International Studies Track |
| Computer Science | History | Political Science - Prelaw Track |
| Computer Science - Accelerated Undergraduate-Graduate Program | History - Accelerated Undergraduate-Graduate Program | Psychology |
| Construction Engineering | Hospitality Management | Public Administration |
| Criminal Justice | Hospitality Management - A.S. to B.S. Track | Radio - Television |
| Criminal Justice - A.S. to B.S. Track | Humanities | Radiologic Sciences |
| Digital Media | Humanities - Philosophy, Religion, & Popular Culture Track | Radiologic Sciences - A.S. to B.S. Track |
| Early Childhood Education | Industrial Engineering | Real Estate |
| Economics | Industrial Engineering - Accelerated Undergraduate-Graduate Program | Religious Studies |
| Economics, Business | Information Systems Technology | Restaurant and Foodservice Management |
| Economics - Accelerated Undergraduate-Graduate Program | Information Systems Technology - A.S. to B.S. Track | Science Education - Biology |
| Electrical Engineering | Information Technology | Science Education - Chemistry |
| Electrical Engineering - Accelerated Undergraduate-Graduate Program | Interdisciplinary Studies | Science Education - Physics |
| Electrical Engineering Technology - A.S. to B.S.E.E.T. Concentration | Interdisciplinary Studies - Environmental Studies Track | Social Science Education |
| Electrical Engineering Technology - Computer Systems Concentration | Interdisciplinary Studies - Liberal Arts Track | Social Sciences |
| Electrical Engineering Technology - Electrical Systems Concentration | Interdisciplinary Studies - Nanoscience & Nanotechnology Track | Social Work |
| Electrical Engineering Technology - Photonics Concentration | Interdisciplinary Studies - Women's Studies Track | Sociology |
| Elementary Education | International and Global Studies | Spanish |
| Engineering Technology - Design Concentration | Interpersonal/Organizational Communication | Sports and Fitness |
| Engineering Technology - Geomatics Concentration | Journalism | Statistics |
| Engineering Technology - Operations Concentration | Legal Studies | Technical Education and Industry Training |
| Engineering Technology - Space Sciences Concentration | Liberal Studies (See Interdisciplinary Studies) | Theatre |
| | Management | Theatre - Musical Theatre Track |
| | Management Information Systems | Theatre Studies |
| | Marketing | |
| | Mathematics - Applied Track | |
| | Mathematics - Computational Track | |
| | Mathematics - Engineering/Physics Track | |
| | Mathematics - Mathematical Economics Track | |
| | Mathematics - Pure Track | |
| | Mathematics Education | |

UCF DEGREE PROGRAMS

ACCOUNTING (B.S.B.A.)

College of Business Administration

BA2 101, 407-823-2184

<http://www.bus.ucf.edu>

Admission Requirements

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

Degree Requirements

1. UCF General Education Program (min 36 hrs)

| | |
|---|-------|
| A. Communication Foundations | 9 hrs |
| Required: SPC 1600 | |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| Select MAC 1140 Pre-Calculus | 3 hrs |
| Select CGS 2100C Computer Fundamentals for Business | 3 hrs |
| D. Social Foundations | |
| Select ECO 2013 Macroeconomics | 3 hrs |
| or ECO 2023 Microeconomics | |
| Select one: PSY 2012, SYG 2000, ANT 2000 | 3 hrs |
| E. Science Foundation | 6 hrs |

2. Common Program Prerequisites

Must be completed with a "C" (2.0) or better

| | |
|-----------|-------------------------------------|
| ACG 2021 | Principles of Financial Accounting |
| ACG 2071 | Principles of Managerial Accounting |
| ECO 2013 | Macroeconomics |
| ECO 2023 | Microeconomics |
| *ECO 3401 | Quantitative Business Tools I |
| CGS 2100C | Computer Fundamentals for Business |

*At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Classes (36 hrs)

First or subsequent semester in the College of Business Administration:

| | | |
|----------------|---|-------|
| GEB 3031 | Cornerstone (Required in 1st or 2nd semester) | 4 hrs |
| GEB 3375 | Introduction to International Business | 4 hrs |
| ECO 3411 | Quantitative Business Tools II | 4 hrs |
| FIN 3403 | Business Finance | 4 hrs |
| MAN 3025 | Management of Organizations | 4 hrs |
| ISM 3011C | Essentials of Management Information Systems | 4 hrs |
| MAR 3023 | Marketing | 4 hrs |
| BUL 3130 | Legal and Ethical Environment of Business | 4 hrs |
| Last Semester: | | |
| MAN 4720 | Strategic Management | 4 hrs |

4. Special College and/or Departmental Requirements

- **Must complete all Gordon Rule requirements, prior to admission to this degree.**
- Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have a "C" (2.0) or better in each common program prerequisites class.
- A minimum grade of "C" (2.0) must be earned in each accounting, business law, and tax course completed. Principles of Financial Accounting and Principles of Managerial Accounting are included under this rule.
- Students in the Accounting major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student's cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in a subsequent term, that student will be dropped as an accounting major. A student who is dropped may seek re-admittance as an Accounting major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an

Accounting and Tax GPA of 2.0 or higher. Readmission is not automatic.

- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- All students must have credit for a course in each of the following areas:
 - English communication arts including written composition
 - Oral expression
 - Behavioral science such as psychology, anthropology, and sociology
 - Humanities
 - Political environment of business and society such as political science, public administration, and ethics
- 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.

5. Required courses for major (24 hrs)

| | | |
|-----------|--|-------|
| ACG 3131 | Financial Accounting Concepts and Analysis | 3 hrs |
| ACG 3141 | Intermediate Financial Accounting | 3 hrs |
| ACG 3361 | Intermediate Managerial Accounting | 3 hrs |
| ACG 3501 | Accounting and Auditing in the Public Sector | 3 hrs |
| ACG 4401C | Accounting Information Systems | 3 hrs |
| ACG 4651 | Auditing | 3 hrs |
| ACG 4XXX | Contemporary Issues in Accounting | 3 hrs |
| TAX 4001 | Taxation of Business Entities and Transactions | 3 hrs |

6. Honors in the Major (6 hrs)

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:

| | | | |
|------------|---------------------------------|----|-------|
| *ACG 4903H | Directed Readings in Accounting | or | 3 hrs |
| *ACG 4904H | Honors Seminar in Accounting | | 3 hrs |
| | plus | | |
| ACG 4970H | Honors Thesis in Accounting | | 3 hrs |

*With approval of the School of Accounting Honors in the Major Coordinator, the Directed Readings or Honors Seminar course will satisfy one of the Area Specialization course requirements toward satisfaction of the course requirements for the Accounting Major.

7. Foreign Language Requirements (0-8 hrs)

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.

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.

Graduation:

none

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Military credit permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and 9 semester hours of Summer credit (if applicable)

Total Semester Hours Required

120 hrs

UCF Degree Programs

CPA Examination Requirements

Effective August 31, 1983, Florida Law states that to qualify to sit for the CPA exam, one must possess thirty (30) additional semester hours of credit beyond the minimum requirements for the baccalaureate degree. In addition to this overall educational requirement, the following specific criteria also apply:

- 36 hours in accounting beyond elementary, including coverage of financial accounting, auditing, cost and managerial accounting, and taxation.
- 39 hours in general business, including at least 6 hours of business law.

Because of these increased educational requirements, no experience or additional course work is needed for certification. To satisfy the necessary coursework required by the law, the School of Accounting offers the Master of Science in Accounting (MSA) and the Master of Science in Taxation (MST) degree programs. Please see the *Graduate Catalog* for program requirements. For additional information about the department, curriculum, faculty, events, and careers in accounting, students are invited to visit our department home page at: <http://www.bus.ucf.edu/accounting/>

Community/Junior College Transfer Notes

- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF.
- 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.
- Courses taken at community colleges do not substitute for upper division courses.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/aic/academic_learning_compacts.htm

SUGGESTED FOUR YEAR PLAN OF STUDY - ACCOUNTING

| Freshman | | | |
|---------------------|--------|---------------|--------|
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| ENC 1101* | 3 | ENC 1102* | 3 |
| Cult-Hist I* | 3 | Cult-Hist II* | 3 |
| MAC 1105* | 3 | Art/Music/Lit | 3 |
| Psy/Syg/Ant Science | 3 | CGS 2100C* | 3 |
| | | Science | 3 |
| Sophomore | | | |
| 1st Term | 15 hrs | 2nd Term | 16 hrs |
| ECO 2023* | 3 | ECO 2013* | 3 |
| ACG 2021* | 3 | ACG 2071* | 3 |
| SPC 1600 | 3 | POS 2041 | 3 |
| ***Elective | 3 | MAR 3023 | 4 |
| ***Elective | 3 | ECO 3401* | 3 |

| Junior | | | |
|-------------|--------|------------|--------|
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| GEB 3031 | 4 | ECO 3411 | 4 |
| **BUL 3130 | 4 | GEB 3375 | 4 |
| **ISM 3011C | 4 | MAN 3025 | 4 |
| **ACG 3131 | 3 | **ACG 3141 | 3 |

| Senior | | | |
|-------------|--------|-------------|--------|
| 1st Term | 13 hrs | 2nd Term | 16 hrs |
| **TAX 4001 | 3 | MAN 4720 | 4 |
| **ACG 4401C | 3 | **ACG 3501 | 3 |
| FIN 3403 | 4 | **ACG 4651 | 3 |
| **ACG 3361 | 3 | **ACG 4XXX | 3 |
| | | ***Elective | 3 |

**C" (2.0) or better grade required in each class

**Accounting majors must have a "C" (2.0) or better in each class to include law and tax and a 2.0 GPA in major.

***General electives as required to reach 120 semester hours.

ACTUARIAL SCIENCE (B.S.)

College of Sciences

Department of Statistics and Actuarial Science

CC II 212, 407-823-5562

<http://www.cos.ucf.edu/statistics>

E-mail: statistics@mail.ucf.edu

Contact: Stephen Kellison, 407-823-5530

Admission Requirements

none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- All statistics courses except STA 2023, STA 3032, and those protected by Florida Common Course Numbering must be taken from, or approved by the Statistics Department at UCF
- Departmental Residency Requirement: at least 15 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Statistics and Actuarial Science Department
- Students must earn at least a "C" (2.0) in each STA course
- 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 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 (36+3 hrs)

Note: Certain courses must be selected in the GEP for the major which brings the GEP above 36

| | |
|---|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 7 hrs |
| Select MAC 2311 | |
| Select STA 2023 | |
| D. Social Foundations | 6 hrs |
| Select ECO 2013 | |
| Select an ANT, PSY or SYG listed course | |
| E. Science Foundations | 8 hrs |
| Select PHY 2053C or CHM 2045C* | |
| Select BSC 2010C | |

*CHM 2040C plus CHM 2041C can substitute for CHM 2045C.

2. Common Program Prerequisites (14 hrs)

| | | |
|------------|-----------------------------|-------|
| COP 3502C* | Computer Science I | 3 hrs |
| ECO 2013 | Princ of Macroeconomics | GEP |
| ECO 2023 | Princ of Microeconomics | 3 hrs |
| MAC 2311 | Calculus with Analy Geo I | GEP |
| MAC 2312 | Calculus with Analy Geo II | 4 hrs |
| MAC 2313 | Calculus with Analy Geo III | 4 hrs |

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core requirements (53 hrs)

| | | |
|----------|-----------------------------|-------|
| ACG 2021 | Princ Financial Accounting | 3 hrs |
| ACG 2071 | Princ Managerial Accounting | 3 hrs |
| FIN 3403 | Business Finance | 3 hrs |

| | | |
|---|---|-------|
| STA 2023 | Statistical Methods I | GEP |
| STA 4321 | Statistical Theory I | 3 hrs |
| STA 4322 | Statistical Theory II | 3 hrs |
| STA 4672 | Actuarial Statistical Methods | 3 hrs |
| STA 4942 | Practicum in Act Science | 3 hrs |
| STA 4183 | Theory of Interest | 3 hrs |
| STA 4130 | Life Contingencies I | 3 hrs |
| STA 4131 | Life Contingencies II | 3 hrs |
| COT 4500 | Numerical Calculus | 3 hrs |
| ENC 3241 | Writing for Technical Professionals | 3 hrs |
| BSC 2010C | Biology I | GEP |
| CHM 2045C or PHY 2053C | | GEP |
| a. Select one course | | |
| MAS 3105 | Linear and Matrix Algebra | |
| MAS 3106 | Linear Algebra | |
| b. Select a third science course and associated, with lab | | |
| BSC 2011C | Biology II (PR: BSC 2010C) | 4 hrs |
| CHM 2045C* | Chemistry Fundamentals (if not taken in GEP) | |
| CHM 2046 & 2046L | Chemistry Fundamentals II & Lab (PR: CHM 2045C) | |
| PHY 2053C | College Physics I (if not taken in GEP) | |
| PHY 2054C | College Physics II (PR: PHY 2053C) | |
| *CHM 2040C plus CHM 2041C can substitute for CHM 2045C. | | |
| c. Select three from among the following: | | |
| STA 4641 | Risk Theory & Decision | 9 hrs |
| STA 4163 | Statistical Methods II | |
| STA 4164 | Statistical Methods III | |
| STA 4676 | Life Testing Analysis | |
| STA 4675 | Demographic Statistics | |
| STA 4187 | Theory of Graduation | |
| STA 4939 | Problems in Actuarial Science | |
| STA 5139 | Credibility Theory and Loss Distributions | |
| STA 5646 | Casualty Insurance | |

4. Restricted Upper Division Electives (6 hrs)

- Select from upper division or graduate statistics, actuarial science, or mathematics courses
- Selected courses in business Business courses may be used only with prior approval by the Department of Statistics and Actuarial Science
- The following cannot be used: MAC 2233, MAC 2253, MAC 2254, all MAE courses; and MHF 4404

5. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each STA course.
- Computer competency met by COP 3502C.
- Take SOA Exam P (Probability) and report the score to the department.
- Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements (0-8 hrs)

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

7. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Mathematics, Mathematics Education, Statistics

Related Minors: Statistics, Mathematics

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 common program prerequisites if taken prior to transferring to UCF:

- COP 3502C*: any COP programming language course. However, COP 3502C is a prerequisite for Computer Sciences courses and may need to be taken.
- BSC 2010C*: any laboratory BSC, CHM, or PHY course. However this is a prerequisite for BSC 2011C and will need to be taken.

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

Suggested 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.

Summer

Take Math Placement Test - <http://mathplacement.sdes.ucf.edu/>

Freshman Year

| Fall | Spring | |
|---------------------------|-----------------------------|---|
| ECO 2013 Prin of Macroeco | 3 ENC 1102 Composition II | 3 |
| ENC 1101 Composition I | 3 ECO 2023 Prin of Microeco | 3 |
| MAC 2311 Calc Anal Geo I | 4 MAC 2312 Calc Anal Geo II | 4 |
| STA 2023 Stat Methods I | 3 BSC 2010C Biology I | 4 |

Sophomore Year

| Fall | Spring | |
|----------------------------|------------------------------|---|
| COM 1000* req# 1A3-GEP | 3 ACG 2071 Prin of Mangr Acc | 3 |
| PHY 2053C* req# 1E1-GEP | 4 EUH 2001* req# 1B1-GEP | 3 |
| MAC 2313 Calc Anal Geo III | 4 PHI 2010* req# 1B3-GEP | 3 |
| ACG 2021 Prin of Fin Acc | 3 ENC 3241 Wr the Tech Pof | 3 |
| STA 4321 Stat Theory I | 3 STA 4322 Stat Theory II | 3 |

Junior Year

| Fall | Spring | |
|-----------------------------|--------------------------------|---|
| FIN 3403 Business Finance | 3 PSY 2012* req# 1D2-GEP | 3 |
| STA 4183 Theory of Interest | 3 COP 3502C Computer Science I | 3 |
| MAS 3105* req# 3a-Core | 4 STA 4942 Pract in Act Sci | 3 |
| STA 4222* req# 4-ResElect | 3 BSC 2011C* req# 3b-Core | 4 |
| | STA 4163* req# 3c-Core | 3 |

Senior Year

| Fall | Spring | |
|-----------------------------|--------------------------------|---|
| COT 4500 Numerical Calculus | 3 MUL 2010* req# 1B2-GEP | 3 |
| STA 4130 Life Cont I | 3 STA 4131 Life Cont II | 3 |
| STA 4672 Act Stat Methods | 3 STA 4939* req# 3c-Core | 3 |
| STA 4641* req# 3c-Core | 3 Elective* Check restrictions | 4 |
| STA 4102* req# 4-ResElect | 3 Elective* Check restrictions | 4 |

ADVERTISING/PUBLIC RELATIONS (B.A.)

College of Sciences

Nicholson School of Communication

COM 250, 407-823-2829

<http://communication.cos.ucf.edu/undergraduate/degrees/advertising.php>

E-mail: adpr@ucf.edu

Contact: Joan McCain

Admission Requirements

Limited Access

- Students should apply to become Advertising/Public Relations majors only after completing all requirements for admission. Deadlines are:

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

- Admission is based on multiple factors, not strictly GPA.
- Attain an overall minimum 2.25 GPA based on a minimum of 45 credit hours of college work. Note: meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis. The GPA cut-off varies somewhat with the quality of applicants, but for previous acceptance periods, the minimum GPA did not drop below 3.3.
- Have acceptable keyboard skills.
- Receive a positive evaluation by the School.

UCF Degree Programs

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 approval
- Students should consult with a departmental advisor
- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication
- Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
- Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 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 six credit hours of internship may be earned in one semester. A total of nine credit hours of internship may be earned within the 120 credit hours required for graduation
- 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 (36 hrs)

- A. Communication Foundations
- Select ENC 1101 & ENC 1102 6 hrs
 - Select SPC 1600 *or* SPC 1016 3 hrs
- B. Cultural and Historical Foundations 9 hrs
- C. Mathematical Foundations
- Prefer MGF 1106 (may substitute a higher level math) 3 hrs
 - Select STA 2014C 3 hrs
- D. Social Foundations 6 hrs
- E. Science Foundations 6 hrs

2. Common Program Prerequisites (0 hrs)

- Select one course
- SPC 1016 Fund of Technical Presentations *or*
 - SPC 1600 Fund Oral Communication
- See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core requirements (27 hrs)

- | | | | |
|-----------|---------------------------------|-------|--|
| STA 2014C | Principles of Statistics | GEP | |
| ADV 3008 | Principles of Advertising | 3 hrs | |
| ADV 4101 | Advertising Copywriting | 3 hrs | |
| COM 3110 | Business and Prof Communication | 3 hrs | |
| COM 3311 | Communication Research Methods | 3 hrs | |
| MMC 4411 | Ad/PR Campaigns | 3 hrs | |
| MMC 3200 | Mass Communication Law | 3 hrs | |
| PUR 3100 | Writing for Public Relations | 3 hrs | |
| PUR 4000 | Public Relations | 3 hrs | |
-
- Select one 3 hrs
- PUR 4941 Internship
 - ADV 4941 Internship

4. School Exit Requirements

- To avoid delaying graduation, the student must request a review of requirements before registering for the last term.
- Achieve an overall "C" GPA (2.0) in required UCF Ad/PR courses. This GPA does not include electives.
- Computer Competency met by CGS 1060C, STA 2014C or departmental assessment.
- Before applying to graduate, the CLAST must be completely satisfied.

5. Foreign Language Requirements (0-8 hrs)

Admission: 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.

6. External Restricted Electives (variable)

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.

7. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Marketing
Related Minors: Business, Psychology

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

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$44 per term
- Part-time Student\$22 per term

Suggested 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 | Spring |
| ENC 1101 Composition I | 3 ENC 1102 Composition II |
| MGF 1106* req# 1C1-GEP | 3 STA 2014C Prin of Statistics |
| Elective* Check restrictions | 3 Elective* Check restrictions |
| SPN 1120C* req# Lang/Elect | 4 Elective* Check restrictions |
| | SPN 1121C* req# Lang/Elect |
| | 4 |
| Sophomore Year | |
| Fall | Spring |
| BSC 1005* req# 1E2-GEP | 3 CHM 1020* req# 1E1-GEP |
| EUH 2000* req# 1B1-GEP | 3 EUH 2001* req# 1B2-GEP |
| POS 2041* req# 1D1-GEP | 3 REL 2300* req# 1B3-GEP |
| SPC 1600* req# 1A3-GEP | 3 SYG 2000* req# 1D2-GEP |
| Restricted* req# Res Elect | 3 Restricted* req# Res Elect |
| | Application See catalog |
| | 0 |
| Junior Year | |
| Fall | Spring |
| ADV 3008 Principles of Ad | 3 COM 3110 Bus Prof Com |
| PUR 4000 Public Relations | 3 COM 3311 Com Res Methods |
| Restricted* req# Res Elect | 3 MMC 3200 Mass Com Law |
| Restricted* req# Res Elect | 3 Restricted* req# Res Elect |
| Restricted* req# Res Elect | 3 PUR 4941 or ADV 4941 |
| | 3 |
| Senior Year | |
| Fall | Spring |
| ADV 4101 Ad Copywriting | 3 MMC 4411 Ad/Pr campaigns |
| PUR 3100 Wr for Pub Reltn | 3 PUR 4941 or ADV 4941 |
| Grad Review See catalog. | 0 Restricted* req# Res Elect |
| Restricted* req# Res Elect | 4 Restricted* req# Res Elect |
| Restricted* req# Res Elect | 3 Restricted* req# Res Elect |
| Restricted* req# Res Elect | 3 |

AEROSPACE ENGINEERING (B.S.A.E.)

College of Engineering and Computer Science
Mechanical, Materials & Aerospace Engineering
Department

ENGR 307, 407-823-2416; Fax 407-823-0208

<http://www.mmae.ucf.edu>

Associate Chair: Dr. Kuo-Chi Lin, E-mail: klin@mail.ucf.edu;

Undergraduate Advisor: Waheeda Illasarie;

E-mail: willasar@mail.ucf.edu

Admission Requirements: **none**
1. UCF General Education Program for Engineering Students **(36+2 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 the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

| | |
|---|-------|
| A. Communication Foundations | 9 hrs |
| 1. ENC 1101 & ENC 1102 | |
| 2. Prefer SPC 1016 | |
| B. Cultural and Historical Foundations | 9 hrs |
| 1. Select two courses from Historical Foundations | |
| 2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1000, REL 2300, PHI 2010, LIT 2110, <i>or</i> LIT 2120 | |
| C. Mathematical Foundations | 7 hrs |
| 1. Select MAC 2311 (PR: MAC 1114 and MAC 1140) | |
| 2. Select STA 3032 (PR: MAC 2312) | |
| D. Social Foundations | 6 hrs |
| 1. Take Prefer ECO 2013 <i>or</i> ECO 2023. | |
| 2. Take ANT 2000, PSY 2012, <i>or</i> SYG 2000. | |
| E. Science Foundations | 7 hrs |
| 1. Take Select PHY 2048/48L (PR: MAC 2311). | |
| 2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, <i>or</i> MCB 1310 | |

2. Common Program Prerequisites (CPP's) **(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. marked with an asterisk (*).** Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

| | | |
|---------------|---|-------|
| CHS 1440* | Fundamentals of Chemistry for Eng (CHM 2045C/45L will substitute) | 4 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 2048/48L* | Physics for Engineers & Scientists I | GEP |
| PHY 2049/49L | Physics for Engineers & Scientists II | 4 hrs |
| ENC 1101 | Composition I | GEP |
| ENC 1102 | Composition II | GEP |
| | Humanities Courses | GEP |
| | Social Science Courses | GEP |
| | Humanities <i>or</i> Social Sciences | GEP |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Courses Required for the Major **(55 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 technical elective courses listed in 4. below and with the senior design courses listed in 5. below. Independent study courses generally do **not** satisfy major requirements.

| | | |
|-----------|---|-------|
| EGN 1006C | Intro to the Engineering Profession | 1 hr |
| EGN 1007C | Engineering Concepts & Methods | 1 hr |
| EGN 3310 | Engineering Analysis - Statics | 3 hrs |
| EGN 3321 | Engineering Analysis - Dynamics | 3 hrs |
| EGN 3343 | Thermodynamics | 3 hrs |
| EMA 3706 | Structure & Properties of Aerospace Materials | 3 hrs |
| EGN 3373 | Principles of Electrical Engring | 3 hrs |
| STA 3032 | Probability & 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 | 2 hrs |
| EAS 4105 | Flight Mechanics | 3 hrs |
| EAS 4134 | High-Speed Aerodynamics | 3 hrs |
| EAS 4200 | Flight Structures | 3 hrs |
| EAS 3530 | Space Systems Concepts | 3 hrs |
| <i>or</i> EAS 4400 | Spacecraft Attitude Dynamics | |
| <i>or</i> EAS 4505 | Orbital Mechanics | |
| EAS 4300 | Aerothermodynamics-Propulsion Sys | 3 hrs |
| EML 3034 | Modeling Methods in MMAE | 3 hrs |
| EML 4312C | Feedback Control | 3 hrs |
| EGM 3601 | Solid Mechanics | 3 hrs |
| EAS 4210 | Space Structural Design | 3 hrs |

4. Approved Technical Electives **(10 hrs)**

Technical electives are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.

5. Departmental Graduation 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.

| | | |
|---------------------|-----------------------------|-------|
| ■ EAS 4700C | Aerospace Design I | 3 hrs |
| <i>or</i> EGN 4412C | Interdisciplinary Design I | |
| ■ EAS 4710C | Aerospace Design II | 3 hrs |
| <i>or</i> EGN 4413C | Interdisciplinary Design II | |

CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

6. Foreign Language Requirements **(0-8 hrs)**

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**

7. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: **128 hrs**

Related Programs: Mechanical Engineering.

Related Minors: Intelligent Robotic Systems, Engineering Leadership.

Transfer Notes:

- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshman students only. The two credit hours for these courses may be substituted by an approved Aerospace Engineering technical elective for transfer students. However, students may take EGN 1007C in the Spring semester if they do not have knowledge of Mathcad or Matlab.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oemas.ucf.edu/alc/academic_learning_compacts.htm

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.

Aerospace Engineering - 128 semester hours required

UCF Degree Programs

FIRST YEAR

| | | | |
|--|-----------------------|--------------------------------|---------------------|
| Fall | 12 hrs ¹ | Spring | 15 hrs ¹ |
| *ENC 1101 English Comp I | 3 | EGN 1007C: Eng Conc/Meth | 1 |
| *CHS 1440 Chem for Eng or CHM 2045C w/lab | 4 | *ENC 1102 English Comp II | 3 |
| *MAC 2311 Calculus I | 4 | *MAC 2312 Calculus II | 4 |
| EGN 1006C Intro to Eng Prof | 1 | *PHY 2048 Phys Eng/Sci I w/lab | 4 |
| | | *SPC 1016 Tech Presentations | 3 |
| Summer | 10 hrs ^{1,3} | | |
| *MAC 2313 Calculus III | 4 | | |
| EMA 3706 Struct & Prop of Aerospace Mat'l | 3 | | |
| *Social Foundations | 3 | | |

SECOND YEAR

| | | | |
|----------------------------------|----------------------|---------------------------|--------|
| Fall | 13 hrs ¹ | Spring | 12 hrs |
| *Historical Foundations | 3 | EGN 3373 Prin Elec Eng | 3 |
| *MAP 2302 Diff Equations | 3 | EGN 3321 Engr Anal-Dynmcs | 3 |
| *PHY 2049 Phys Eng II w/lab | 4 | EGN 3343 Thermodynamics | 3 |
| EGN 3310 Engr Anal - Statics | 3 | EGM 3601 Solid Mechanics | 3 |
| Summer | 9 hrs ^{1,3} | | |
| *ECO 2013 or 2023 Macro or Micro | 3 | | |
| *Historical Foundations | 3 | | |
| STA 3032 Prob & Stats/Engrs | | | |

THIRD YEAR

| | | | |
|-----------------------------------|--------|--|--------|
| Fall | 15 hrs | Spring | 15 hrs |
| EML 3034 Model Meth's MMAE | 3 | EAS 3101 Fund of Aerodyn | 3 |
| EAS 3010 Fund of Aerospace Flight | 3 | EAS 3810C Dsgn Aerosp Expr | 2 |
| EAS 3800C Aerosp Eng Msr | 3 | EAS 4210 Space Structural Dyn | 3 |
| Science Foundation | 3 | EAS 4505 Orbital Mechncs | 3 |
| EAS 4200 Flight Structures | 3 | or EAS 3530 Space Sys Concepts or EAS 4400 Spacecraft Attitude Dyn Approved technical elective | 4 |

FOURTH YEAR

| | | | |
|------------------------------------|-----------------------|-------------------------------------|--------|
| Fall | 12 hrs ^{1,2} | Spring | 15 hrs |
| EML 4312C Feedback Control | 3 | EAS 4300 Aerotherm Prop Sys | 3 |
| EAS 4105 Flight Mechanics | 3 | EAS 4710C Aerosp Design II | 3 |
| EAS 4134 High-Spd Aerodyn | 3 | or EGN 4413C Interdiscipl Design II | |
| EAS 4700C Aerosp Design I | 3 | Cultural Foundations | 3 |
| or EGN 4412C Interdiscipl Design I | | Approved technical elective | 3 |
| | | Approved technical elective | 3 |

Notes:

- Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in this catalog for further information.
- Students should view the MMAE website (<http://www.mmae.ucf.edu>) or consult with the MMAE Department in ENGR 307 for a list of approved technical electives and for the terms when specific courses of this type are to be offered. Students should check with MMAE Associate Chairman each semester to ensure they are making satisfactory progress toward their degree.
- The State University System requires most students to complete a minimum of nine semester hours during summer terms prior to graduation. See the section on Summer Attendance Requirement elsewhere in this catalog.
- Aerospace engineering students must earn at least 32 hours in residence at UCF.

Important Notice:

- Certain courses required for this major serve as key prerequisites or are offered in specific terms. Any deviation from the four-year plan should be discussed with an academic advisor. Failure to take courses as listed may result in a delay in the date of your graduation.
- If you are not ready to begin the calculus sequence upon entry to the Aerospace Engineering curriculum, it is imperative that you meet with your advisor to plan a personalized program of study. Mathematics and physics are cornerstones of a quality engineering program and it is important for your academic career that you proceed accordingly.

Accelerated BS/MS Degree Program

The Mechanical, Materials, and Aerospace Engineering Department 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.

ANTHROPOLOGY (B.A.)

College of Sciences

Department of Anthropology, PH 309, 407-823-2227

<http://www.cos.ucf.edu/anthropology>

E-mail: anthropology@ucf.edu

Contact: A. Chase; 407-823-2227

The Anthropology major results in broad holistic understanding of humans and the human condition, both past and present. Students study all subfields of Anthropology: Archaeology, Cultural Anthropology, Linguistics, and Physical Anthropology.

Students with sufficient course background may participate in ongoing archaeological excavations associated with the Maya culture in the Central American country of Belize.

Admission Requirements:

none

Degree Requirements

- UCF students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Anthropology Department
- Students must maintain a grade of "C" (2.0) or better in all courses used for the major
- Co-op or internship credit cannot be used in the major without prior approval
- Students should consult with a departmental advisor
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (36 hrs)

- | | |
|---|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| 1. Prefer MGF 1106 or MGF 1107 (may substitute a higher level math) | 3 hrs |
| 2. Select from GEP C.2 list | 3 hrs |
| D. Social Foundations | |
| 1. Select a listed course | 3 hrs |
| 2. Select ANT 2000 | 3 hrs |
| E. Science Foundations | |
| 1. Select a listed course | 3 hrs |
| 2. Select ANT 2511 | 3 hrs |

2. Common Program Prerequisites (0 hrs)

- | | | |
|-----------|----------------------|-----|
| ANT 2000* | General Anthropology | GEP |
| ANT 2511* | The Human Species | GEP |

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements: Lower Level (6 hrs)

- | | | |
|----------|-------------------------------|-------|
| ANT 2000 | General Anthropology | GEP |
| ANT 2511 | The Human Species | GEP |
| ANT 2100 | Arch & the Rise of Human Cult | 3 hrs |
| ANT 2410 | Cultural Anthropology | 3 hrs |

4. Core Requirements: Upper Level (12 hrs)

All students are required to take the following upper level courses in the four subdisciplines of Anthropology:

- | | | |
|----------|------------------------------------|-------|
| ANT 3145 | Archaeology of Complex Societies | 3 hrs |
| ANT 3640 | Language and Culture | 3 hrs |
| ANT 4034 | History of Anthropological Thought | 3 hrs |
| ANT 4586 | Human Origins | 3 hrs |

5. Area Study (3 hrs)

All students are required to take one of the following courses:

- | | | |
|----------|--|--|
| ANT 3158 | Florida Archaeology | |
| ANT 3163 | Mesoamerican Archaeology | |
| ANT 3164 | Ancient Incas | |
| ANT 3168 | Maya Archaeology (or ANG 6168) | |
| ANT 3311 | Indians of the SE US | |
| ANT 3312 | Ethnology of North American Indians | |
| ANT 3313 | Indians of N American High Plains | |
| ANT 3314 | Indians of the Northeast Woodlands | |
| ANT 3318 | Indians of the Northwest Coast | |
| ANT 3320 | Indians of the Southwest | |
| ANT 3319 | The Anthropology of Diaspora | |
| ANT 4332 | Peoples and Culture of Latin America (or ANG 5307) | |
| ANT 4340 | Caribbean Cultures (or ANG 5341) | |
| ANT 3358 | 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 |

6. Restricted Electives (18 hrs)

Six other Anthropology courses must be taken to complete the major. These may include other area study courses (see 5. above) or any other Anthropology courses that may be offered (see below).

| | |
|-----------|---|
| ANT 4101 | Archaeological Sciences (or ANG 5100) |
| ANT 3115 | Archaeological Method and Theory |
| ANT 3142 | Old World Prehistory |
| ANT 4184 | Mortuary Archaeology (or ANG 5741) |
| ANT 3212 | Peoples of the World |
| ANT 3241 | Magic, Ritual, and Belief |
| ANT 3245 | Native American Religions |
| ANT 3262 | Rural Society |
| ANT 3273 | Law and Culture |
| ANT 3302 | Sex, Gender, and Culture |
| ANT 3316 | Black/Seminole Relationships |
| ANT 4438 | Anthropology of Tourism (or ANG 5437) |
| ANT 4467 | Nutritional Anthropology (or ANG 5467) |
| ANT 3541 | Biobehavioral Anthropology |
| ANT 3550 | Primateology |
| ANT 3701 | Applied Anthropology |
| ANT 4702 | Culture, Power, and Development (or ANG 5272) |
| ANT 4802 | Ethnographic Field Methods |
| ANT 4180C | Seminar in Laboratory Analysis |
| ANT 4266 | Economic Anthropology |
| ANT 4462 | Medical Anthropology |
| ANT 4516 | Human Biological Diversity |
| ANT 4521C | Forensic Anthropology |
| ANT 4525C | Human Osteology |
| ANT 4528C | Advanced Forensic Anthropology |
| ANT 4824 | Advanced Archaeological Field Work |
| ANG 5165 | Maya Field Research |
| ANG 5166 | Problems of Maya Studies |
| ANG 5167 | Maya Hieroglyphs |
| ANG 5228 | Maya Iconography |
| ANG 5622 | Language, Culture, and Pedagogy |
| ANG 5742 | Problems in Forensic Anthropology |

Departmental Exit Requirements

- A grade of "C" (2.0) or better in all courses used for the major
- Computer Competency met by ANT 2100
- Students will be required to take a standard exit exam.
- Before applying to graduate, the CLAST must be completely satisfied.

8. Foreign Language Requirements (0-8 hrs)

Admission: Met by graduation requirement.

Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies, or three semesters equivalent of American Sign Language. Standardized examinations for foreign languages may be used to meet the requirement.

9. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. These courses may be outside of the department.

10. University Minimum Exit Requirements

- A "C" (2.0) GPA in all work attempted (both UCF and overall)
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Graduate Certificate in Maya Studies

Related Minors: African-American Studies, American Studies, Anthropology, Anthropology in Multicultural Studies, Asian Studies, Judaic Studies, Latin American, Caribbean, and Latino Studies, Russian Area Studies, Sociology, and Women's Studies

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 common program prerequisites if taken prior to transferring to UCF:

- ANT 2000: any ANT course. However, this course is a prerequisite and must be taken regardless.
- ANT 2511: any ANT course. However, ANT 2511 will need to be taken for the major.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/aic/academic_learning_compacts.htm

Suggested 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 | | Spring | |
| ANT 2000 General Anthro | 3 | ANT 2511 The Human Species | 3 |
| ENC 1101 Composition I | 3 | ARH 2050* req# 1B2-GEP | 3 |
| EUH 2000* req# 1B1-GEP | 3 | ENC 1102 Composition II | 3 |
| MGF 110X* req# 1C1-GEP | 3 | POS 2041* req# 1D1-GEP | 3 |
| COM 1000* req# 1A3-GEP | 3 | STA 2014C* req# 1C2-GEP | 3 |

Sophomore Year

| | | | |
|------------------------------|---|------------------------------|---|
| Fall | | Spring | |
| REL 2300* req# 1B3-GEP | 3 | PSC 1121* req# 1E1-GEP | 3 |
| ANT 2100 Arch the of | 3 | ANT 3640 Language and Cult | 3 |
| ANT 2410 Cult Anthro Anthro | 3 | ANT 4034 His of Anthro Tht | 3 |
| Elective* Check restrictions | 3 | Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 | Elective* Check restrictions | 3 |

Junior Year

| | | | |
|------------------------------|---|------------------------------|---|
| Fall | | Spring | |
| ANT 3145 Arch of Cmplx Soc | 3 | ANT 4586 Human Origins | 3 |
| ANT 3142* req# 6-ResElect | 3 | ANT 3164* req# 5-Area | 3 |
| Elective* Check restrictions | 3 | ANT 3212* req# 6-ResElect | 3 |
| Elective* Check restrictions | 3 | Elective* Check restrictions | 3 |
| SPN 1120C* req# Lang/Elect | 4 | SPN 1121C* req# Lang/Elect | 4 |

Senior Year

| | | | |
|------------------------------|---|------------------------------|---|
| Fall | | Spring | |
| ANT 3302* req# 6-ResElect | 3 | ANT 3312* req# 6-ResElect | 3 |
| Elective* Check restrictions | 3 | ANT 3320* req# 6-ResElect | 3 |
| Elective* Check restrictions | 3 | ANT 3541* req# 6-ResElect | 3 |
| Elective* Check restrictions | 3 | Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 | Elective* Check restrictions | 3 |

APPLIED SCIENCE (B.A.S.)

A.S. to B.A.S.

Note: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

ART (B.F.A.)

**College of Arts and Humanities
Art Department, VAB 117, 407-823-2676
<http://www.art.ucf.edu/>**

Contact: J. Chavda; 407-823-2676

The BFA degree is recommended for studio art majors who plan to attend graduate school.

Note: Although the department maintains a small computer lab for student use, Graphic Design majors must have continual access to a lap top computer. Contact the department for the minimum hardware and software specifications.

The Art Department 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 Department courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

UCF Degree Programs

Admission Requirements

- All junior level students in this program (except Animation and Graphic Design students) 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.
- Graphic Design students must satisfactorily complete the mandatory Graphic Design Portfolio Review for admission to this restricted access program, to be admitted in the following Fall. The portfolio application deadline is the first week of March for Fall admission.
- Animation students must successfully complete an Animation Portfolio Review to be admitted to this restricted access program. The Animation Portfolio Review submission deadline is March 15 for admission in the following Fall semester, and October 15 for admission in the following Spring semester.
- Animation applications must include a portfolio of work done in courses, such as drawings, design projects, computer graphics, animation work, and storyboards.
- Students should complete ART 2201C and ART 2300C before applying to be accepted in the Animation BFA program.
- Students must maintain an overall minimum 3.0 GPA in ART 2201C and ART 2300C, to qualify for the Animation Specialization.
- Animation students must submit a satisfactory drawing portfolio to be admitted to FIL 3720C.
- Students unable to satisfactorily complete either above requirement, ART 3950 - Portfolio Review, Animation Portfolio Review, or the Graphic Design Portfolio Review, may continue in the Art Department in the Art History track.
- Students may enter 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 to the Animation or Graphic Design programs.

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 Department of Art. Nine of these must be in an area of specialization.
- Grades below "C" (2.0) in lower level ART or ARH courses do not satisfy major requirements.
- BFA students must maintain a 3.0 GPA in all ART courses.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor in their studio specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)

- A. Communication Foundations 9 hrs
- B. Cultural and Historical Foundations
 - Select a course from group B.1 3 hrs
 - Select ARH 2050 3 hrs
 - Select ARH 2051 3 hrs
- C. Mathematical Foundations 3 hrs
 - Prefer MGF 1106 (may substitute a higher level math)
 - Prefer STA 1060C 3 hrs
- D. Social Foundations 6 hrs
- E. Science Foundations 6 hrs

2. Common Program Prerequisites (24 hrs)

- ART 2201C Design Fundamentals 2-D 3 hrs
- ART 2203C* Design Fundamentals 3-D 3 hrs
- ART 2300C* Drawing Fundamentals I 3 hrs
- ART 2301C* Drawing Fundamentals II 3 hrs
- ARH 2050 History of Western Art I GEP

- ARH 2051 History of Western Art II GEP
 - GRA 2101C* Intro to Computer Art 3 hrs
- Any ART prefix, studio, or media courses at the 2000-4000 levels 3 hrs
 *See Transfer Notes for possible substitutes
 See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements (6 hrs)

- ART 2820 Art as Interface 3 hrs
- ARH 2500 Survey of Non-Western Art 3 hrs
- ART 3950 Portfolio Review 0 hrs

4. Restricted Electives (42 hrs)

a. Specialization: 18 hrs

Select six upper division courses from one area: (classes with an asterisk may be repeated for credit)
 Animation (ART 3643C, FIL 3720C, FIL 3734C, FIL 3041, FIL 4735C, FIL 4750C*)

Book Arts (ART 3176C, ART 3175C, ART 3170C, ART 3171C, ART 3737C, ART 4172C, ART 4644C, ART 4177C, ART 4173C, ART 4174C)

Ceramics (ART 3760C, ART 3764C, ART 4783C*)

Drawing (ART 3332C, ART 4320C*)

Drawing/Printmaking Combination (ART 3332C, ART 4320C*, ART 3433C, ART 4402C*)

Drawing/Illustration Combination (ART 3332C, GRA 3151C, ART 4320C*, GRA 4154C*)

Graphic Design (GRA 3100C, GRA 3112C, GRA 3801C, GRA 4196C, GRA 4197C*, GRA 4802C)

Painting (ART 3504C, ART 4505C*)

Photography (PGY 3410C, PGY 4420C*, PGY 4440C)

Sculpture (ART 4710C*)

*may be repeated for credit

b. Elective 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.

Animation, Ceramics, Drawing, Graphic Design, Illustration, Painting, Photography, Printmaking, Sculpture, and Special Topics Studio Courses.

c. Additional Electives 9 hrs

Select three upper-division Art History courses

or

Select one upper division course in Art History, Humanities, and Social Science.

or

For Animation specialization:

- Any two upper level Art History or Film History courses 6 hrs
- & ART 4971 Thesis 3 hrs

(A maximum of six hours of Independent Study, Practicum, and Internship are permitted).

5. Departmental Exit Requirements (3 hrs)

ART 4935 BFA Exhibit/Seminar required, except for Graphic Design specialization

(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

6. Foreign Language Requirements (0-8 hrs)

Admission: Met by graduation requirement

Graduation: Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

7. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required **120 hrs**

Related Programs: Art History, Studio Art (BA), Art Education

Related Minors: Partners in Visual Art Education

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 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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alac/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$63 per term
- Part-time Student\$31.50 per term

Suggested 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 | Spring | | |
|----------------------------|--------------------------------|---|---|
| ARH 2050 His of West Art I | 3 ARH 2051 His of West Art II | 3 | 3 |
| ENC 1101 Composition I | 3 ENC 1102 Composition II | 3 | 3 |
| HUM 2210* req# 1B1-GEP | 3 STA 1060C Stat Using Excel | 3 | 3 |
| MGF 1106* req# 1C1-GEP | 3 ART 2201C Design Fund 2 D | 3 | 3 |
| ART 2820 Art as Interface | 3 Elective* Check restrictions | 3 | 3 |

Sophomore Year

| Fall | Spring | | |
|-----------------------------|-----------------------------|---|---|
| COM 1000* req# 1A3-GEP | 3 ANT 2000* req# 1D2-GEP | 3 | 3 |
| POS 2041* req# 1D1-GEP | 3 BSC 1005* req# 1E2-GEP | 3 | 3 |
| ART 2203C Design Fund 3 D | 3 CHM 1020* req# 1E1-GEP | 3 | 3 |
| ART 2300C Drawing Fund I | 3 ART 2301C Drawing Fund II | 3 | 3 |
| GRA 2101C Intro to Comp Art | 3 ARH 2500 His of West Art | 3 | 3 |
| | ART 3950 Portfolio Review | 0 | 0 |

Junior Year

| Fall | Spring | | |
|----------------------------|------------------------------|---|---|
| ART 2500C* req# 2-CPP | 3 ART 3161* req# 3-Core | 3 | 3 |
| ART 3332C* req# 4a. Spec | 3 ART 4320C* req# 4a. Spec | 3 | 3 |
| ART 4320C* req# 4a. Spec | 3 FIL 3720C* req# 4b. ResEI | 3 | 3 |
| GRA 3151C* req# 4a. Spec | 3 ARH 4800* req# 4c. ResEI2 | 3 | 3 |
| SPN 1120C* req# Lang/Elect | 4 SPN 1121C* req# Lang/Elect | 4 | 4 |
| Application See catalog | | 0 | 0 |

Senior Year

| Fall | Spring | | |
|------------------------------|-----------------------------|---|---|
| GRA 4154C* req# 4a. Spec | 3 GRA 4154C* req# 4a. Spec | 3 | 3 |
| ART 2754C* req# 4b. ResEI | 3 ART 3760C* req# 4b. ResEI | 3 | 3 |
| PGY 2401C* req# 4b. ResEI | 3 PGY 4420C* req# 4b. ResEI | 3 | 3 |
| ARH 4450* req# 4c. ResEI2 | 3 ARH 4430* req# 4c. ResEI2 | 3 | 3 |
| Elective* Check restrictions | 1 ART 4935 BFA Exh Seminar | 1 | 3 |

ART - HISTORY TRACK (B.A.)

College of Arts and Humanities

Art Department, VAB 117, 407-823-2676

<http://www.art.ucf.edu/>

Contact: J. Cutler, 407-823-2676

The Art Department 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 Department 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 departmental art history advisor
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Art. 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

(36 hrs)

- A. Communication Foundations 9 hrs
- B. Cultural and Historical Foundations
 - Prefer a course from group B. 1 3 hrs
 - Select ARH 2050 History of Western Art I 3 hrs
 - Select ARH 2051 History of Western Art II 3 hrs
- C. Mathematical Foundations
 - Prefer MGF 1106 Finite Mathematics 3 hrs
 - (may substitute a higher level math)
 - Prefer STA 1060C Statistics Using Excel 3 hrs
- D. Social Foundations 6 hrs
- E. Science Foundations 6 hrs

2. Common Program Prerequisites

(12 hrs)

- ART 2201C Design Fundamentals 2-D 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- ARH 2050 History of Western Art I GEP/3 hrs
- ARH 2051 History of Western Art II GEP/3 hrs

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements

(18 hrs)

- ARH 2500 Survey Non-Western Art 3 hrs
- ARH 4310 Italian Renaissance Art 3 hrs
- ARH 4430 Nineteenth Century Art 3 hrs
- ARH 4450 Twentieth Century Art 3 hrs
- ARH 4800 Theory and Criticism of Visual Arts 3 hrs
- ENC 3311 Advanced Expository Writing 3 hrs

4. Restricted Electives

(21 hrs)

- a. One Non-Western Art History Course: 3 hrs
 - ARH 3520 African Art
 - ARH 4545 Art of India
 - ARH 4655 MesoAmerican Art
- b. One of the following courses: 3 hrs
 - ARH 4200 Medieval Art
 - ARH 4350 Baroque Art
 - ARH 4892 Women in Art
- c. Select 15 additional hours from following: 15 hrs
 - ARH 3471 Art in Last 25 Years
 - ARH 3520 African Art
 - ARH 3610 American Art
 - ARH 3710 History of Photography I
 - ARH 3711 History of Photography II
 - ARH 3720 History of Prints
 - ARH 4170 Greek and Roman Art
 - ARH 4350 Baroque Art
 - ARH 4655 MesoAmerican Art
 - ARH 4892 Women in Art
 - ARH 5897 Adv. Seminar in Art History
 - ARH 3XXX-4XXX Additional Art History course

UCF Degree Programs

- 5. Departmental Exit Requirements (3 hrs)**
 ARH 4912 Senior Thesis 3 hrs
- Achieve at least a "C" GPA (2.0) in courses within the major
 - Computer Competency met by STA 1060C, GRA 2101C, or ARH 3820

- 6. Foreign Language Requirements (0-11 hrs)**
Admission: Met by graduation requirement.

Graduation: Proficiency equivalent to four semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. German, French or Italian preferred, although other languages are acceptable with prior consent of advisor. Standardized examinations for foreign languages may be used to meet the requirement.

- 7. Electives (variable)**
 Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.
 (A maximum of six hours of Independent Study, Practicum, and Internship are permitted.)

- 8. University Minimum Exit Requirements**
- A 2.0 UCF GPA
 - 60 semester hours earned after CLEP awarded
 - 48 semester hours of upper division credit completed
 - 30 of the last 36 hours of course work must be completed in residency at UCF
 - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
 - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Studio Art (BA, BFA), Art Education

Related Minors: Studio Art, Partners in Visual Art Education

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

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$63 per term
- Part-time Student\$31.50 per term

Suggested 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 | Spring | | |
| ARH 2050 His of West Art I | 3 ARH 2051 His of West Art II | 3 | |
| ENC 1101 Composition I | 3 ENC 1102 Composition II | 3 | |
| HUM 2210* req# 1B1-GEP | 3 STA 1060C Stat Using Excel | 3 | |
| MGF 1106* req# 1C1-GEP | 3 ARH 2500 His of Non-West Art | 3 | |
| | Elective* Check restrictions | 3 | |

Sophomore Year

| | | | |
|---------------------------|------------------------------|---|--|
| Fall | Spring | | |
| COM 1000* req# 1A3-GEP | 3 ANT 2000* req# 1D2-GEP | 3 | |
| POS 2041* req# 1D1-GEP | 3 BSC 1005* req# 1E2-GEP | 3 | |
| ART 2201C Design Fund 2 D | 3 CHM 1020* req# 1E1-GEP | 3 | |
| ART 2300C Drawing Fund I | 3 ARH 4545* req# 4a-ResEl | 3 | |
| ENC 3311 Adv Exp Writing | 3 SPN 1120C* req# Lang/Elect | 4 | |

Junior Year

| | | | |
|-----------------------------|--------------------------------|---|--|
| Fall | Spring | | |
| ARH 4310 Italian Renais Art | 3 ARH 4430 19th Century Art | 3 | |
| ARH 4450 20th Century Art | 3 ARH 4800 Thry Critic of Vis | 3 | |
| ARH 3710* req# 4c-ResEl | 3 ARH 3711* req# 4c-ResEl | 3 | |
| ARH 4655* req# 4c-ResEl | 3 Elective* Check restrictions | 3 | |
| SPN 1121C* req# Lang/Elect | 4 SPN 2200* req# Lang/Elect | 3 | |

Senior Year

| | | | |
|------------------------------|---|------------------------------|---|
| Fall | | Spring | |
| ARH 4350* req# 4b-ResEl | 3 | ARH 4170* req# 4c-ResEl | 3 |
| Elective* Check restrictions | 3 | ARH 4912 Senior Thesis | 3 |
| Elective* Check restrictions | 3 | Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 | Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 | | |

ART - STUDIO TRACK (B.A.)

College of Arts and Humanities
Art Department, VAB 117, 407-823-2676

<http://www.art.ucf.edu/>

Contact: J. Chavda, 407-823-2676

Note: Although the department maintains a small computer lab for student use, Graphic Design and Animation majors must have continual access to a lap top computer. Contact the department for the minimum hardware and software specifications.

The Art Department 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 Department courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Degree Requirements

- All junior level students in this program (except Graphic Design and Animation students) 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.
- 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 departmental advisor in their specialization.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Art. 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 (36 hrs)

| | |
|---|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | |
| Select a course from group B.1 | 3 hrs |
| Select ARH 2050 The History of Western Art I | 3 hrs |
| Select ARH 2051 The History of Western Art II | 3 hrs |
| Select a course from either group B.1 or B.2 | 3 hrs |
| C. Mathematical Foundations | |
| Prefer MGF 1106 Finite Mathematics | 3 hrs |
| (may substitute a higher level math) | |
| Prefer STA 1060C Statistics Using Excel | 3 hrs |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 6 hrs |

2. Common Program Prerequisites (24 hrs)

| | | |
|--|-------------------------------|-------|
| ART 2201C | Design Fundamentals 2-D | 3 hrs |
| ART 2203C* | Design Fundamentals 3-D | 3 hrs |
| ART 2300C | Drawing Fundamentals I | 3 hrs |
| ART 2301C | Drawing Fundamentals II | 3 hrs |
| ARH 2050 | The History of Western Art I | GEP |
| ARH 2051 | The History of Western Art II | GEP |
| GRA 2101C* | Intro to Computer Art | 3 hrs |
| ART 2XXX-4XXX any ART prefix, studio or media course | | 3 hrs |

*See Transfer Notes for possible substitutes
 See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core (6 hrs)

| | | |
|----------|----------------------------|-------|
| ART 2820 | Art As Interface | 3 hrs |
| ARH 2500 | History of Non-Western Art | 3 hrs |
| ART 3950 | Portfolio Review | 0 hrs |

4. Restricted Electives (27 hrs)

Specialization:

Select nine upper division courses from at least three areas:

- Art History (any upper level ARH courses)
- Book Arts (ART 3176C, ART 3175C, ART 3170C, ART 3171C, ART 3737C, ART 4172C, ART 4644C, ART 4177C, ART 4173C, ART 4174C)
- Ceramics (ART 3760C, ART 4783C*)
- Drawing and Printmaking (ART 3332C, ART 3433C, ART 4320C*, ART 4402C*)
- Illustration (GRA 3151C, GRA 4154C*)
- Painting (ART 3504C, ART 4505C*)
- Photography (PGY 2401C, PGY 4420C*, PGY 4440C)
- Sculpture (ART 2701C, ART 4710C*)
- Type & Design (GRA 3113C)

*May be repeated for credit

5. Departmental Exit Requirement

- Achieve at least a "C" GPA (2.0) overall in courses within the major
- Computer Competency met by STA 1060C or GRA 2101C

6. Foreign Language Requirements (0-8 hrs)

Admission: Met by graduation requirement

Graduation: Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

7. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

(A maximum of six hours of Independent Study, Practicum, and Internship permitted.)

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Art History, Studio Art (BFA), Art Education

Related Minors: Partners in Visual Art Education, Digital Media

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 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

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student \$63 per term
- Part-time Student \$31.50 per term

Suggested 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 | Spring | |
| ARH 2050 His of West Art I | 3 ARH 2051 His of West Art II | 3 |
| ENC 1101 Composition I | 3 ENC 1102 Composition II | 3 |
| HUM 2210* req# 1B1-GEP | 3 STA 1060C Stat Using Excel | 3 |
| MGF 1106* req# 1C1-GEP | 3 ART 2201C Design Fund 2 D | 3 |
| ART 2820 Art as Interface | 3 Elective* Check restrictions | 3 |

Sophomore Year

| | | |
|-----------------------------|-----------------------------|---|
| Fall | Spring | |
| COM 1000* req# 1A3-GEP | 3 ANT 2000* req# 1D2-GEP | 3 |
| POS 2041* req# 1D1-GEP | 3 BSC 1005* req# 1E2-GEP | 3 |
| ART 2203C Design Fund 3 D | 3 CHM 1020* req# 1E1-GEP | 3 |
| ART 2300C Drawing Fund I | 3 ART 2301C Drawing Fund II | 3 |
| GRA 2101C Intro to Comp Art | 3 ARH 2500 His of West Art | 3 |
| | ART 3950 Portfolio Review | 0 |

Junior Year

| | | |
|------------------------------|--------------------------------|---|
| Fall | Spring | |
| ART 3332C* req# 4-ResElect | 3 ART 3161* req# 2-CPP | 3 |
| GRA 3151C* req# 4-ResElect | 3 ART 4320C* req# 4-ResElect | 3 |
| Elective* Check restrictions | 1 Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 |
| SPN 1120C* req# Lang/Elect | 4 SPN 1121C* req# Lang/Elect | 4 |

Senior Year

| | | |
|------------------------------|--------------------------------|---|
| Fall | Spring | |
| ARH 4350* req# 4-ResElect | 3 ARH 4430* req# 4-ResElect | 3 |
| ART 4320C* req# 4-ResElect | 3 GRA 4154C* req# 4-ResElect | 3 |
| PGY 3410C* req# 4-ResElect | 3 PGY 4420C* req# 4-ResElect | 3 |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 |

ART EDUCATION (B.S.)

College of Education

Department of Teaching and Learning Principles, ED 209

<http://education.ucf.edu/arted>

Program Coordinator: Dr. Thomas Brewer, ED 122-U, 407-823-3714,

E-mail: tbrewer@mail.ucf.edu

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 and/or CLAST examination (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* (36 hrs)

| | |
|--|---------|
| A. Communication Foundation | (9 hrs) |
| 1. ENC 1101 English Composition I | 3 hrs |
| 2. ENC 1102 English Composition II | 3 hrs |
| 3. Prefer SPC 1600 Fundamentals of Oral Communication | 3 hrs |
| B. Cultural-Historical Foundation | (9 hrs) |
| 1. Prefer: AMH 2010 U.S. History 1492-1877 | 3 hrs |
| 2. Select: ARH 2050 History of Western Art I (A grade of "C-" (1.75) or better is required in ARH 2050) | 3 hrs |
| 3. Prefer: AMH 2020 U.S. History 1877-present | 3 hrs |
| C. Mathematical Foundation | (6 hrs) |
| 1. Prefer: MGF 1106 Finite Mathematics | 3 hrs |
| 2. Prefer: STA 1060C Basic Statistics using MS Excel <i>or</i> STA 2014C Principles of Statistics | 3 hrs |
| D. Social Foundation | (6 hrs) |
| 1. Prefer: POS 2041 American National Government | 3 hrs |
| 2. Prefer: PSY 2012 General Psychology | 3 hrs |
| E. Science Foundation | (6 hrs) |
| 1. Prefer: PSC 1121 Physical Science | 3 hrs |
| 2. Prefer: ANT 2511 The Human Species <i>or</i> BSC 1005 Biological Principles | 3 hrs |

*Note: students are strongly advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)

| | | |
|----------|------------------------------|-------|
| EDF 2005 | Introduction to Education | 3 hrs |
| EDG 2701 | Teaching Diverse Populations | 3 hrs |
| EME 2040 | Technology for Educators | 3 hrs |

UCF Degree Programs

Note: In addition to EDG 2701, 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.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Other Program Prerequisites (30 hrs)

| | | |
|------------|----------------------------|-------|
| *ARH 2050 | History of Western Art I | GEP |
| *ARH 2051 | History of Western Art II | 3 hrs |
| *ART 2201C | Designs Fundamentals I | 3 hrs |
| *ART 2203C | Designs Fundamental II | 3 hrs |
| *ART 2300C | Drawing Fundamentals I | 3 hrs |
| *ART 2301C | Drawing Fundamentals II | 3 hrs |
| *GRA 2101C | Intro to Computer Graphics | 3 hrs |
| ART 2754C | Ceramics | 3 hrs |
| ART 2500C | Painting | 3 hrs |
| ART 2400C | Printmaking | 3 hrs |
| PGY 2401C | Photography | 3 hrs |

*Prerequisites for all 3000 and 4000 core and elective ARE and ART courses.

4. Education Core Requirements (15 hrs)

| | | |
|----------|---|-------|
| EDG 4410 | Teaching Strategies and Classroom Mgmt | 3 hrs |
| EDF 4467 | Learning Theory and Assessment | 3 hrs |
| EDF 4603 | Analysis and Applications of Ethical, Legal, and Safety Issues in Schools | 3 hrs |
| TSL 4080 | Theory and Practice of Teaching ESOL Students in Schools | 3 hrs |
| RED 4043 | Content Reading K-12 | 3 hrs |

- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required art courses indicated above with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended during the first semester (if CLAST was used for admission) and before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.clinicalexperiences.education.ucf.edu>.

5. Internship I (3 hrs)

| | | |
|----------|--------------|-------|
| ARE 3940 | Internship I | 3 hrs |
|----------|--------------|-------|

6. Specialization Requirements (12 hrs)

| | | |
|----------|---------------------------------------|-------|
| ARE 4356 | Teaching Art Appreciation & Criticism | 3 hrs |
| ARE 4351 | Teaching Art in the Elementary School | 3 hrs |
| ARE 4352 | Teaching Art in the Secondary School | 3 hrs |
| ARE 4250 | Art for Exceptionalities | 3 hrs |

7. Restricted Electives (9 hrs)

Any 3000 or 4000 level ART, ARE, ARH, PGY (with advisor's approval)

- Passing score on the Subject Area Examination (Art K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- All art courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.clinicalexperiences.education.ucf.edu>.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

8. Internship II (12 hrs)

| | | |
|----------|--------------------|--------|
| ARE 4941 | Internship II K-12 | 12 hrs |
|----------|--------------------|--------|

9. Foreign Language Requirements (0-8 hrs)

State University System foreign language admission: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school)

10. 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.

11. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 40 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

12. Total Program Semester Hours Required 126 hrs

Consult with your Education advisor and review your degree audit for more recent information.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alac/academic_learning_compacts.htm

13. Recommended Four Year Sequence of Course

The program of study will be affected by course offerings and availability. Please see the Art Education Web site at <http://education.ucf.edu/arted/> for the advising policy.

Freshman Year

| | | | | |
|----------|------------------------------|--------|------------------------------------|---|
| Fall | (15 hrs) | Spring | (12 hrs) | |
| EDF 2005 | Intro to Education | 3 | ARH 2051 History of Western Art II | 3 |
| ENC 1101 | English Composition I | 3 | EDG 2701 Teaching Diverse Pop | 3 |
| MGF 1106 | Finite Mathematics | 3 | ENC 1102 English Composition II | 3 |
| ARH 2050 | The History of Western Art I | 3 | ART 2201C Designs Fund I | 3 |
| PSY 2012 | General Psychology | 3 | | |
| Summer | (6 hrs) | | | |
| EME 2040 | Teach for Educators | 3 | | |
| SPC 1600 | Fund of Oral Comm | 3 | | |

Sophomore Year

| | | | | |
|-----------|-----------------------------|--------|----------------------------------|---|
| Fall | (12 hrs) | Spring | (15 hrs) | |
| AMH 2010 | US History 1492-1877 | 3 | AMH 2020 US History 1877-Present | 3 |
| ART 2203C | Designs Fundamental II | 3 | ART 2400C Printmaking | 3 |
| BSC 1005 | Biological Principles | 3 | ART 2300C Drawing Fund I | 3 |
| STA 2014C | Principles of Statistics or | 3 | POS 2041 Amer National Govt | 3 |
| STA 1060C | Basic Stat using MS Excel | 3 | PSC 1121 Physical Science | 3 |
| Summer | (6 hrs) | | | |
| GRA 2101C | Intro to Comp Graphics | 3 | | |
| PGY 2401C | Photography | 3 | | |

Junior Year

| | | | | |
|-----------------------------|-----------------------------|--------|-----------------------------------|---|
| Fall | (15 hrs) | Spring | (15 hrs) | |
| ARE 4356 | Teach Art Apprec & Critic | 3 | ARE 4352 Teach Art in the Sec Sch | 3 |
| ART 2301C | Drawing Fund II | 3 | ART 2500C Painting | 3 |
| EDF 4467 | Learn Theory & Assmt | 3 | RED 4043 Content Read K-12 | 3 |
| EDG 4410 | Teach Strat & Class Mgmt | 3 | Restricted electives | 6 |
| TSL 4080 | Theory & Prac of Teach ESOL | 3 | (Any ARE/ARH/ART/PGY 3/4XXX | |
| | Students in Schools | | with Advisor approval) | |
| Summer | (6 hrs) | | | |
| ART 2754C | Ceramics | 3 | | |
| Restricted elective | | 3 | | |
| (Any ARE/ARH/ART/PGY 3/4XXX | | | | |
| with Advisor approval) | | | | |

Senior Year

| | | | | |
|----------|---|--------|--------------------|----|
| Fall | (12 hrs) | Spring | (12 hrs) | |
| ARE 4351 | Teach Art in the Elem Sch | 3 | ARE 4941 Intern II | 12 |
| EDF 4603 | Anal & Appl of Eth, Legal, & Safety Issues in Sch | 3 | | |
| ARE 4250 | Art for Exceptionalities | 3 | | |
| ARE 3940 | Internship I | 3 | | |

BIOLOGY (B.S.)

College of Sciences

Biology Department, BL 301, 407-823-2141

<http://www.cos.ucf.edu/biology>E-mail: biology@ucf.edu

Contact: F. 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
- No more than 4 hours of BSC 4422L, BSC 4937, Independent Study, Directed Research, or similar types of credit may be applied toward major requirements.
- 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.
- AA transfer students are expected to have completed the following courses before enrolling as a Biology major; BSC 2010C, BSC 2011C, CHM 2045C, CHM 2046 & lab, CHM 2210, and associated Chemistry laboratories. 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.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.

1. UCF General Education Program**(36+3 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

1. Select ENC 1101 and ENC 1102 6 hrs
2. Prefer SPC 1016 3 hrs

B. Cultural and Historical Foundations

1. Select STA 2023 9 hrs

C. Mathematical Foundations

1. Select MAC 2311 *or* MAC 2241 4 hrs

2. Select STA 2023 3 hrs

D. Social Foundations

1. Select CHM 2045C *or* CHM 2040C & 2041C 6 hrs

E. Science Foundations

1. Select CHM 2045C *or* CHM 2040C & 2041C 4 hrs
2. Select BSC 2010C 4 hrs

2. Common Program Prerequisites**(16 hrs)**

- | | | |
|--|----------------------------------|-------|
| BSC 2010C* | Biology I | GEP |
| BSC 2011C* | Biology II | 4 hrs |
| MAC 2311* | Calculus w/ Analy Geometry I | GEP |
| STA 2023* | Statistical Methods I | GEP |
| CHM 2045C+ | Chem Fund I | GEP |
| CHM 2046&L | Chem. Fund II & lab | 4 hrs |
| Select one Physics sequence with labs* | | 8 hrs |
| PHY 2053C | College Physics I and | |
| PHY 2054C | College Physics II | |
| <i>or</i> | | |
| PHY 2048&L | Physics Engr. & Sci. I & Lab and | |
| PHY 2049&L | Physics Engr. & Sci. II & Lab | |

*See Transfer Notes for possible substitutes

+CHM 2040C plus CHM 2041C can substitute for CHM 2045C

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core requirements**(21-23 hrs)**

- | | | |
|-------------------------------|---------------------------------|-------|
| Select one Chemistry sequence | | |
| CHM 2210 | Organic Chem. I <i>and</i> | 3 hrs |
| CHM 2211&L | Organic Chem. II & lab | 5 hrs |
| <i>or</i> | | |
| CHM 3120 | Analytical Chemistry <i>and</i> | 5 hrs |
| CHM 2205 | Intro Organic & Biochemistry | 5 hrs |
| PCB 3044 | Principles of Ecology | 3 hrs |
| PCB 3063 | Genetics | 3 hrs |
| PCB 3023 | Molecular Cell Biology | 3 hrs |
| PCB 4683 | Evolutionary Biology | 4 hrs |

(Note: Students planning on entering professional or graduate school should take Biochemistry (BCH 4053, BCH 4054) as well as additional Calculus courses. Students are urged to consult their departmental advisor.)

4. Upper Division Restricted Electives**(22 hrs)**

- Courses must be selected from the groupings listed below.
- Student must complete at least one course dealing exclusively with animals (marked 'a') and one course dealing exclusively with plants (marked 'b').
- 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 designated with an asterisk (*).
- 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.

4.1 Form/Function (*minimum of one lecture course*)

| | | |
|--------------|-----------------------------------|-------|
| BCH 4053 | Biochemistry I | 3 hrs |
| BCH 4054 | Biochemistry II | 3 hrs |
| b BOT 4223C* | Plant Anatomy | 4 hrs |
| b BOT 4303C* | Plant Kingdom | 5 hrs |
| b BOT 4503* | Plant Physiology | 3 hrs |
| BSC 4101* | History of Biology | 3 hrs |
| a BSC 4454* | Research in Animal Physiology | 2 hrs |
| PCB 3063L* | Genetics Laboratory | 1 hr |
| PCB 3233 | Immunology | 3 hrs |
| PCB 3024L* | Molecular Cell Biology Laboratory | 2 hrs |
| PCB 3703C | Human Physiology | 4 hrs |
| PCB 4514* | Genetics II | 3 hrs |
| PCB 4524 | Molecular Biology II | 3 hrs |
| a PCB 4723* | Animal Physiology | 4 hrs |
| PCB 4683L* | Evolutionary Biology Lab | 1 hr |
| PCB 5665C* | Human Genetics | 4 hrs |
| a ZOO 3713C* | Comparative Vert Anatomy | 5 hrs |
| ZOO 3733C | Human Anatomy | 4 hrs |
| a ZOO 4603C* | Embryology/Development | 5 hrs |
| a ZOO 4753C | Vertebrate Histology | 4 hrs |

4.2 Environmental (*minimum of one lecture course*)

| | | |
|--------------|--------------------------------------|-------|
| b BOT 3018C* | Culinary Ethnobotany | 3 hrs |
| b BOT 3152C* | Local Flora | 3 hrs |
| b BOT 3800* | Ethnobotany | 3 hrs |
| b BOT 4156C* | Florida Wildflowers | 4 hrs |
| b BOT 4686C* | Conserv & Mangmt of Native Plants | 4 hrs |
| BSC 4312C* | Marine Biology | 4 hrs |
| BSC 5258L* | Tropical Bio Research & Conservation | 3 hrs |
| a BSC 5821 | Biogeography | 4 hrs |
| BSC 5935* | Invasion Biology | 3 hrs |
| PCB 3044L* | Ecology Laboratory | 1 hr |
| PCB 3304C* | River Ecology | 4 hrs |
| PCB 3355C* | Tropical Marine Biology | 2 hrs |
| PCB 3442* | Florida Aquatic Ecology | 3 hrs |
| PCB 4302C* | Physicochemical Limnology | 4 hrs |
| PCB 4303C* | Biological Limnology | 4 hrs |
| PCB 5326C* | Ecosystems of Florida | 5 hrs |
| PCB 5485* | Models in Ecology | 3 hrs |
| a ZOO 4513* | Animal Behavior | 3 hrs |
| a ZOO 5520* | Behavioral Ecology | 3 hrs |
| a ZOO 5881C* | Fisheries Management | 4 hrs |

4.3 Systematic (*minimum of one lecture course*)

| | | |
|---------------|--------------------------------|-------|
| b BOT 4713C * | Plant Taxonomy | 5 hrs |
| b BOT 5485C * | Terrestrial Cryptogams | 3 hrs |
| a ENY 5006C* | Entomology | 4 hrs |
| a ENY 4004C* | General Entomology | 4 hrs |
| MCB 3020C | General Microbiology | 5 hrs |
| PCB 3301C* | Aquatic Biology | 4 hrs |
| a ZOO 4205C* | Bio & Ecol of Metazoan Inverts | 4 hrs |
| a ZOO 4310C* | Vertebrate Evolution & Ecol | 4 hrs |
| a ZOO 5456C* | Ichthyology | 4 hrs |
| a ZOO 5463C* | Herpetology | 4 hrs |
| a ZOO 5475L* | Field Ornithology | 3 hrs |
| a ZOO 5486C* | Mammalogy | 4 hrs |

*Designates courses offered by the Department of Biology.

Additional courses (e.g., BSC 4422L and BSC 5408L) may be used to meet a group requirement with approval of the undergraduate program coordinator via petition.

UCF Degree Programs

5. Departmental Exit Requirements

- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- To demonstrate Computer Competency students are expected to 1) check and maintain their campus electronic mail account and 2) be capable of locating, viewing, and retrieving class and research information on the World Wide Web.
- Students will be required to take a comprehensive exam in biology during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring.
- Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements (0-8 hrs)

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

7. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Molecular and Microbiology, Science Education, Environmental Engineering

Related Minors: Biology, Molecular and Microbiology, Environmental Studies.

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:

The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:

- CHM 2045C*: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C
- BSC 2010C & Lab: may use PCB 2010, PCB 2011, PCB 2021, PCB 2131, BSC 1040, or BSC 2012
- BSC 2011C & Lab: may use ZOO 2010, BOT 2010, BSC 2041, or BOT 1013. However, subsequent Biology courses require either BSC 2011C or both ZOO 2010 and BOT 2010.
- STA 2023: may use STA 2122, STA 2014C, STA 2023, STA 2024, STA 2321, MAC 2234, MAC 2254, or MAC 3282. However, statistics at or above the level of STA 2023 is required in the major and still must be taken.
- MAC 2311: may use MAC 2233 or MAC 2253 or MAC 2241
- Physics: Although Common Program Prerequisites permit substituting Organic Chemistry for Physics, both Physics and Organic Chemistry must be taken as part of the Biology degree requirements.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fee

- Full-time Student \$38 per term
- Part-time Student \$19 per term

Suggested Plan of Study:

This is one of numerous possible plans of study. See program description for all requirements. Courses designated by an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Summer

Take Chemistry Placement Test - <http://chemplacement.sdes.ucf.edu/>
Take Math Placement Test - <http://mathplacement.sdes.ucf.edu/>

Freshman Year

| Fall | Spring | |
|------------------------------|------------------------------|---|
| BSC 2010C Biology I | 4 ENC 1102 Composition II | 3 |
| CHM 2045C Chem Fund I | 4 BSC 2011C Biology II | 4 |
| ENC 1101 Composition I | 3 CHM 2046 Chemistry Fund II | 3 |
| Elective* Check restrictions | 3 CHM 2046L Chemistry Fund L | 1 |
| | Elective* Check restrictions | 3 |

Sophomore Year

| Fall | Spring | |
|--------------------------|--------------------------------|---|
| MAC 2311 Calc Anal Geo I | 4 SPC 1016 Fund Tech Presntn | 3 |
| POS 2041* req# 1D1-GEP | 3 CHM 2211* req# 3-Core | 3 |
| STA 2023 Stat Methods I | 3 PCB 3063 Genetics | 3 |
| CHM 2210* req# 3-Core | 3 MCB 3020C* req# 4.3-ResEI | 5 |
| PCB 3044 Prin of Ecology | 3 Elective* Check restrictions | 3 |

Junior Year

| Fall | Spring | |
|------------------------------|--------------------------------|---|
| PHY 2053C* req# 2-CPP | 4 PHY 2054C* req# 2-CPP | 4 |
| PCB 3023 Mol Cell Biology | 3 PCB 4723* req# 4.1 ResE-a | 4 |
| BOT 4303C* req# 4.1 ResEI | 5 BSC 4312C* req# 4.2 ResEI | 4 |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 |

Senior Year

| Fall | Spring | |
|-------------------------------|--------------------------------|---|
| HUM 2210* req# 1B1-GEP | 3 MUL 2010* req# 1B2-GEP | 3 |
| PSY 2012* req# 1D2-GEP | 3 CHM 2211L* req# 3-Core | 2 |
| REL 2300* req# 1B3-GEP | 3 PCB 4683L* req# 4.1 ResEI | 1 |
| PCB 4683 Evolutionary Biology | 4 BOT 3800* req# 4.2-ResE-b | 3 |
| Elective* Check restrictions | 3 Elective* Check restrictions | 4 |

BIOLOGY – PREPROFESSIONAL CONCENTRATION (B.S.)

College of Sciences

Biology Department; BL 301, 407-823-2141

<http://www.cos.ucf.edu/biology>

E-mail: biology@ucf.edu

Contact: F. Logiudice, 407-823-2141

The Biology major offers excellent preparation for professional school. The curriculum is broadly based and provides a well-rounded education that is appealing to admission committees and valuable for careers in medicine, dentistry, optometry, pharmacy and veterinary medicine.

Admission Requirements none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major.
- No more than 4 hours of BSC 4422L, BSC 4937, Independent Study, Directed Research, or similar types of credit may be applied toward major requirements.
- 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.
- AA transfer students are expected to have completed the following courses before enrolling as a Biology major; BSC 2010C, BSC 2011C, CHM 2045C, CHM 2046 & lab, CHM 2210, and associated Chemistry laboratories. 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.

- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.

1. UCF General Education Program (36+3 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 | | |
| 1. Select ENC 1101 and ENC 1102 | | 6 hrs |
| 2. Prefer SPC 1016 | | 3 hrs |
| B. Cultural and Historical Foundations | | 9 hrs |
| C. Mathematical Foundations | | |
| 1. Select MAC 2311 <i>or</i> MAC 2241 | | 4 hrs |
| 2. Select STA 2023 | | 3 hrs |
| D. Social Foundations | | 6 hrs |
| E. Science Foundations | | |
| 1. Select CHM 2045C <i>or</i> CHM 2040C and 2041C | | 4 hrs |
| 2. Select BSC 2010C | | 4 hrs |

2. Common Program Prerequisites (16 hrs)

| | | |
|--|-------------------------------|-------|
| BSC 2010C* | Biology I | GEP |
| BSC 2011C* | Biology II | 4 hrs |
| MAC 2311* | Calculus w/Anal Geometry I | GEP |
| STA 2023* | Statistical Methods I | GEP |
| CHM 2045C+ | Chem Fund I | GEP |
| CHM 2046 & L | Chem. Fund II & lab | 4 hrs |
| Select one Physics sequence with labs* | | 8 hrs |
| PHY 2053C | College Physics I | |
| PHY 2054C | College Physics II | |
| <i>or</i> | | |
| PHY 2048 & L | Physics Engr. & Sci. I & Lab | |
| PHY 2049 & L | Physics Engr. & Sci. II & Lab | |

*See Transfer Notes for possible substitutes

+CHM 2040C plus CHM 2041C can substitute for CHM 2045C

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core requirements (21 hrs)

| | | |
|--------------|------------------------|-------|
| PCB 3044 | Principles of Ecology | 3 hrs |
| PCB 3063 | Genetics | 3 hrs |
| CHM 2210 | Organic Chem. I | 3 hrs |
| CHM 2211 & L | Organic Chem. II & lab | 5 hrs |
| PCB 3023 | Molecular Cell Biology | 3 hrs |
| PCB 4683 | Evolutionary Biology | 4 hrs |

4. Restricted Electives (Suggested) (22 hrs)

- Student must complete at least one course dealing exclusively with animals (marked 'a') and one course dealing exclusively with plants (marked 'b').
- 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 designated with an asterisk (*).
- 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.
- The following suggestions are appropriate for many professional schools. Consult a departmental advisor and be cognizant of the professional school's requirements. For complete listing, see Biology B.S. degree program.

4.1 Form/Function (minimum of one lecture course)

| | | |
|--------------|-----------------------------------|-------|
| BCH 4053 | Biochemistry I | 3 hrs |
| BCH 4054 | Biochemistry II | 3 hrs |
| a BSC 4454 | Research in Animal Physiology | 2 hrs |
| PCB 3063L* | Genetics Laboratory | 1 hr |
| PCB 3024L* | Molecular Cell Biology Laboratory | 2 hrs |
| PCB 3233 | Immunology | 3 hrs |
| PCB 4514* | Genetics II | 3 hrs |
| PCB 5665C* | Human Genetics | 4 hrs |
| a PCB 4723* | Animal Physiology | 4 hrs |
| a ZOO 3713C* | Comparative Vert Anatomy | 5 hrs |
| a ZOO 4603C | Embryology/Development | 5 hrs |
| a ZOO 4753C | Vertebrate Histology | 4 hrs |

4.2 Environmental (minimum of one lecture course)

| | | |
|-------------|-------------|-------|
| b BOT 3800* | Ethnobotany | 3 hrs |
|-------------|-------------|-------|

4.3 Systematic (minimum of one lecture course)

| | | |
|--------------|--------------------------------|-------|
| MCB 3020C | General Microbiology | 5 hrs |
| a ZOO 4205C* | Bio & Ecol of Metazoan Inverts | 4 hrs |
| a ZOO 4310C* | Vertebrate Evolution & Ecol | 4 hrs |

5. Departmental Exit Requirements

- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- To demonstrate Computer Competency students are expected to 1) check and maintain their campus electronic mail account and 2) be capable of locating, viewing, and retrieving class and research information on the World Wide Web.
- Students will be required to take a comprehensive exam in biology during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring.
- Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirement (0-8 hrs)

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

Spanish is highly recommended.

7. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Biology, Chemistry, Molecular/Microbiology

Related Minors: 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 by the undergraduate program coordinator for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes:

The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:

- BSC 2010C & Lab: may use PCB 2010, PCB 2011, PCB 2021, PCB 2131, BSC 1040, or BSC 2012
- BSC 2011C & Lab: may use ZOO 2010, BOT 2010, BSC 2041, or BOT 1013. However, subsequent Biology courses require either BSC 2011C or both ZOO 2010 and BOT 2010.
- STA 2023: may use STA 2122, STA 2014C, STA 2023, STA 2024, STA 2321, MAC 2234, MAC 2254, or MAC 3282. However, statistics at or above the level of STA 2023 is required in the major and still must be taken.
- MAC 2311: may use MAC 2233 or MAC 2253 or MAC 2241
- Physics: Although Common Program Prerequisites permit substituting Organic Chemistry for Physics, both Physics and Organic Chemistry must be taken as part of the Biology degree requirements.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

UCF Degree Programs

Equipment Fee

- Full-time Student\$38 per term
- Part-time Student\$19 per term

Suggested Plan of Study:

This is one of numerous possible plans of study. See program description for all requirements. Courses designated by an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Summer

Take Chemistry Placement Test - <http://chemplacement.sdes.ucf.edu/>
Take Math Placement Test - <http://mathplacement.sdes.ucf.edu/>

Freshman Year

| Fall | Spring | | |
|------------------------------|------------------------------|---|--|
| BSC 2010C Biology I | 4 ENC 1102 Composition II | 3 | |
| CHM 2045C Chemistry Fund I | 4 BSC 2011C Biology II | 4 | |
| ENC 1101 Composition I | 3 CHM 2046 Chemistry Fund II | 3 | |
| Elective* Check restrictions | 3 CHM 2046L Chemistry Fund L | 1 | |
| | Elective* Check restrictions | 3 | |

Sophomore Year

| Fall | Spring | | |
|--------------------------|------------------------------|---|--|
| MAC 2311 Calc Anal Geo I | 4 SPC 1016 Fund Tech Presntn | 3 | |
| POS 2041* req# 1D1-GEP | 3 CHM 2211 Organic Chm II | 3 | |
| STA 2023 Stat Methods I | 3 PCB 3063 Genetics | 3 | |
| CHM 2210 Organic Chm I | 3 MCB 3020C* req# 4.3-ResEl | 5 | |
| PCB 3044 Prin of Ecology | 3 MAC 2312 Calc Anal Geo II | 4 | |

Junior Year

| Fall | Spring | | |
|---------------------------|---------------------------------|---|--|
| HUM 2210* req# 1B1-GEP | 3 MUL 2010* req# 1B2-GEP | 3 | |
| PHY 2048* req# 2-CPP | 3 PHY 2049* req# 2-CPP | 3 | |
| PHY 2048L* req# 2-CPP | 1 PHY 2049L* req# 2-CPP | 1 | |
| PCB 3023 Mol Cell Biology | 3 PCB 4683 Evolutionary Biology | 4 | |
| ZOO 3713C* req# 4.1-ResEl | 5 Elective* Check restrictions | 3 | |

Senior Year

| Fall | Spring | | |
|------------------------------|--------------------------------|---|--|
| PSY 2012* req# 1D2-GEP | 3 CHM 2211L* req# 3-Core | 2 | |
| REL 2300* req# 1B3-GEP | 3 BCH 4054* req# 4.1-ResEl | 3 | |
| PCB 4723* req# 4.1-ResE-a | 4 BOT 3800* req# 4.2-ResE-b | 3 | |
| BCH 4053* req# 4.1-ResEl | 3 Elective* Check restrictions | 3 | |
| Elective* Check restrictions | 3 Elective* Check restrictions | 2 | |

A Note on Preparing for the MCAT Examination

An analysis of the success and failure of students on recent MCAT examinations has led the department to suggest that a student should have completed all of the Biology core courses, MCB 3020C, and PCB 4524 prior to taking the MCAT exam

BIOTECHNOLOGY (B.S.)

College of Medicine

Burnett School of Biomedical Sciences

Department of Molecular Biology and Microbiology

HPA2 335, 407-823-5932

<http://www.biomed.ucf.edu>

Chair: P.E. Kolattukudy

Program Director: Henry Daniell, E-mail: daniell@mail.ucf.edu

The B.S. Biotechnology will produce the highly trained workers that will meet the workforce needs of the biotechnology industry. Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet most of the admission requirements for those programs while obtaining a Biotechnology B.S. degree.

Admission Requirements

none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- Students should consult with a Departmental advisor.
- Courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- Grades below "C-" (1.75) in life science courses will not be accepted

1. UCF General Education Program

(36+2-3 hrs)

| | | |
|------------------------------------|--|---------|
| A. Communication Foundations | | |
| Select ENC 1101, ENC 1102 | | 6 hrs |
| Prefer SPC 1016 Tech Presentations | | 3 hrs |
| B. Cultural Historical Foundations | | 9 hrs |
| C. Mathematical Foundations | | |
| Select STA 2021 or MAC 2253 | | 3-4 hrs |
| Select STA 2023 | | 3 hrs |
| D. Social Foundations | | 6 hrs |
| E. Science Foundations | | |
| Select CHM 2045C | | 4 hrs |
| Select BSC 2010C | | 4 hrs |

2. Common Program Prerequisites

(21 hrs)

| | | |
|-------------------|-------------------------------------|------------|
| BSC 2010C | Biology I | GEP |
| BSC 2011C* | Biology II | 4 hrs |
| CHM 2045C**, 2046 | General Chemistry I + II | GEP, 3 hrs |
| CHM 2210, 2211 | Organic Chemistry I + II | 6 hrs |
| PHY 2053C, 2054C | College Physics I, II + Lab | 8 hrs |
| MAC 2311 | Calculus with Analytical Geometry I | GEP |
| STA 2023 | Statistics | GEP |

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements

(52 hrs)

| | | |
|----------------------|---------------------------------------|-------|
| Life Sciences | | |
| MCB 3020C | General Microbiology | 5 hrs |
| MCB 4414 | Microbial Metabolism | 3 hrs |
| PCB 4239, 3233L | Molecular Immunology + Immunology Lab | 4 hrs |
| PCB 3522, 4524 | Molecular Biology I, II | 6 hrs |
| BSC 3403C | Quantitative Biological Methods | 4 hrs |
| MCB 4721C | Lab Methods in Biotechnology | 4 hrs |
| MCB 4XXX | Biotechnology/Industrial Seminar | 3 hrs |
| MCB 4312 | Molecular Biotechnology | 3 hrs |
| PCB 4529 | Experimental Molecular Biology | 3 hrs |
| PCB 4174 | Foundations of Bio-imaging Science | 3 hrs |
| Chemistry | | |
| CHM 2046L | General Chemistry II Lab | 1 hrs |
| CHM 2211L | Organic Laboratory Techniques II | 2 hrs |
| BCH 4053 | Biochemistry I | 3 hrs |
| Physics | | |
| PHY 2053C, 2054C | College Physics I, II | 8 hrs |
| or 2048, 2049C | | |
| Math | | |
| MAC 2311 or MAC 2253 | | GEP |

4. Upper Division Restricted Electives

(6-8 hrs)

(Two courses minimum, no more than one may be taken outside the Molecular Biology and Microbiology Department. Each graduate must complete 3 credits of MCB 4912 or MCB 4970H or serve an internship. Only three hours of Honors thesis or undergraduate research will count toward the restrictive elective requirement.)

| | | |
|-----------------|-------------------------------------|-------|
| BCH 4054 | Biochemistry II | 3 hrs |
| BCH 4103L | Biochemical Methods | 2 hrs |
| MCB 3203, 3203L | Pathogenic Microbiology + Lab | 4 hrs |
| MCB 3404 | Bacterial Genetics and Physiology | 3 hrs |
| MCB 4203 | Infectious Processes | 3 hrs |
| MCB 4204 | Cellular Microbiology | 3 hrs |
| MCB 4503C | Virology | 3 hrs |
| MCB 4603 | Environmental Microbiology | 3 hrs |
| MCB 4912 | Undergraduate Research | 3 hrs |
| MCB 4970H* | Honors Thesis | 3 hrs |
| MCB 5225 | Molecular Biology of Disease | 3 hrs |
| MCB 5505 | Molecular Virology | 3 hrs |
| MCB 5654 | Applied Microbiology | 3 hrs |
| MCB 5932 | Current Topics in Molecular Biology | 3 hrs |
| PCB 3063 | Genetics | 3 hrs |
| PCB 3703C | Human Physiology | 4 hrs |
| PCB 4251 | Tissue Engineering | 3 hrs |
| PCB 4805 | Endocrinology | 3 hrs |
| PCB 5238 | Immunopathology | 3 hrs |
| PCB 5275 | Signal Transduction | 3 hrs |
| PCB 5239 | Tumor Biology | 3 hrs |

*Those students who do not qualify for the MCB 4970H may elect MCB 4912, Undergraduate Research, as a substitute course, but a research report must be submitted to instructor after completion of research project.

5. Departmental Exit Requirements

To be eligible for a major in Biotechnology:

- 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

- 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

6. Electives (variable)

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Biology, Chemistry, Medical Lab Science

Related Minors: Biology, Chemistry

Transfer Notes:

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

Students who begin a two semester sequence course (e.g. General Chemistry) at a community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University's requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I & II requirement at the community college (lower division) level must take an additional 8 eight hours of upper division coursework at UCF.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- BSC 2011C*: may be substituted by BSC 3403C
- CHM 2045C**: may be substituted by CHM 2040, 2041

Honors in the 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 BSC 3404H "Quantitative Biological Methods" with a grade of B or better (4 credits)
- Complete MCB 4970H "Honors Thesis" with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits)

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oegas.ucf.edu/alac/academic_learning_compacts.htm

Tentative Course Schedule for Entering Freshmen: One of many possible plans of study. Consult a departmental advisor for alternative plans and insert electives to total 120 hours.

| Freshman Year | | 13 hrs | Spring | 14 hrs |
|---------------|-----------------------------|--------|-----------|--------|
| Fall | ENC 1101 | 3 | ENC 1102 | 3 |
| | PSY 2012 <i>or</i> SYG 2000 | 3 | SPC 1016 | 3 |
| | <i>or</i> ANT 2000 | | CHM 2046 | 3 |
| | CHM 2045C | 4 | CHM 2046L | 1 |
| | Cultural/Historical | 3 | BSC 2010C | 4 |

Sophomore Year

| Fall | 14/15 hrs | Spring | 15 hrs |
|---------------------------------------|-----------|---------------------------------------|--------|
| CHM 2210 | 3 | CHM 2211 | 3 |
| MCB3020C | 5 | CHM 2211L | 2 |
| MAC 2311* <i>or</i> MAC 2253 | 4/3 | STA 2023 <i>or</i> CGS 1060C | 3 |
| EUH 2000 <i>or</i> AMH 2010 | | BSC 3403C | 4 |
| <i>or</i> WOH 2012 <i>or</i> HUM 2210 | 3 | EUH 2001 <i>or</i> AMH 2020 | 3 |
| | | <i>or</i> HUM 2230 <i>or</i> WOH 2022 | |

Plan your required 9 summer hours into your course of study

Junior Year

| Fall | 13 hrs | Spring | 15 hrs |
|-------------------------------|--------|--------------------------|--------|
| PCB 3522 | 3 | PCB 4524 | 3 |
| ECO 2013 <i>or</i> POS 2041 | 3 | PCB 4239 + PCB 3233L | 4 |
| PHY 2053C <i>or</i> PHY 2048* | 4 | PHY 2054C* | 4 |
| and 2048L | | <i>or</i> PHY2049, 2049L | |
| MCB 4XXX | 3 | BSC 2011C | 4 |

*Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Senior Year

| Fall | 12/14 hrs | Spring | 12/13 hrs |
|---------------------|-----------|---------------------|-----------|
| BCH 4053 | 3 | PCB 4529 | 3 |
| MCB 4721C | 4 | PCB 4174 | 3 |
| MCB 4312 | 3 | Restricted Elective | 3/4 |
| Restricted Elective | 2/4 | MCB 4414 | 3 |

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 | 13/15 hrs | Spring | 13/14 hrs |
|---------------------|-----------|---------------------|-----------|
| MCB 3020C | 5 | PCB 3522 | 3 |
| MCB 4XXX | 3 | BSC 3403C | 4 |
| Restricted elective | 2/4 | BCH 4053 | 3 |
| Elective | 3 | restricted elective | 3/4 |

*Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Senior Year

| Fall | 13/14 hrs | Spring | 13 hrs |
|---------------------|-----------|-----------------|--------|
| MCB 4414 | 3 | PCB 4524 | 3 |
| MCB 4721C | 4 | PCB 4239, 3233L | 3/1 |
| MCB 4312 | 3 | PCB 4529 | 3 |
| Elective 3000 level | 3/4 | PCB 4174 | 3 |

BUSINESS

See General Business

BUSINESS ADMINISTRATION (B.A.B.A.)

(Completion program for individuals who have a statewide articulated A.A. from a Florida public community college)

(Note: This degree program is only available at selected Regional Campuses (Cocoa, Daytona, MetroWest, Palm Bay, Sanford/Lake Mary, and South Lake Campuses).

College of Business Administration

BA 240, 407-823-2184

<http://www.bus.ucf.edu>

E-mail: cba@bus.ucf.edu

Clermont campus advising: Selena Forrest, 352-536-2174; *Cocoa campus advising:* Angelia Jones, 321-433-7889; *Daytona campus advising:* Christine Davis, 386-506-4021; Pamela Von Graff: BA 325, 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.

UCF Degree Programs

Admission Requirements

2.0 GPA and completion of General Education, Gordon Rule, and 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 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 (36 hrs)

| | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| Select SPC 1600 | |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| Select MAC 1140 Pre-Calculus | 3 hrs |
| Select STA 2023 Principles of Statistics | 3 hrs |
| D. Social Foundations | |
| Select ECO 2013 Macroeconomics <i>or</i> | 3 hrs |
| ECO 2013 Microeconomics, PSY 2012, SYG 2000 <i>or</i> ANT 2000 | |
| E. Science Foundation | |

2. Common Program Prerequisites (18-21 hrs)

Must be completed with a "C" (2.0) or better.

| | |
|--|-------|
| ACG 2021 Principles of Financial Accounting | 3 hrs |
| ACG 2071 Principles of Managerial Accounting | 3 hrs |
| ECO 2013 Macroeconomics | 3 hrs |
| ECO 2023 Microeconomics | 3 hrs |
| *ECO 3401 Quantitative Business Tools | 3 hrs |
| CGS 2100C Computer Fundamentals for Business | 3 hrs |

*UCF students who have completed MC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" or better must take ECO 3401.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Classes (36 hrs)

Required for all students

First or subsequent semester in the College of Business Administration:

| | |
|--|-------|
| GEB 3031 Cornerstone (Required in 1st or 2nd semester) | 4 hrs |
| GEB 3375 Introduction to International Business | 4 hrs |
| BUL 3130 Legal & Ethical Environments of Business | 4 hrs |
| ECO 3411 Quantitative Business Tools II | 4 hrs |
| FIN 3403 Business Finance | 4 hrs |
| MAN 3025 Management of Organizations | 4 hrs |
| ISM 3011C Essentials of Management Information Systems | 4 hrs |
| MAR 3023 Marketing | 4 hrs |

| | |
|-------------------------------|-------|
| Last Semester: | |
| MAN 4720 Strategic Management | 4 hrs |

4. Area of Specialization (18 hrs min)

Existing non-business minor offered at Regional Campus

5. Foreign Language Requirements (0-8 hrs)

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: 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.

6. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits are permitted

- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs (A.A. Transfers)

Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF
- 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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeads.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student \$22 per term
- Part-time Student \$11 per term

CARDIOPULMONARY SCIENCES (B.S.)

College of Health and Public Affairs

Department of Health Professions

HPA2 210, 407-823-2214

<http://www.cohpa.ucf.edu/health.pro/>

Undergraduate Program Director: Jeffery E. Ludy;

E-mail: cardioinfo@mail.ucf.edu

Admission Requirements

Limited Access

Acceptance to the university does not necessarily constitute admission to the upper division cardiopulmonary sciences program.

- Separate Application to the *limited access program* must be made directly to the program prior to March 1st of the year admission is sought.
- Application to the University must also be submitted by the program deadline of March 1st. Acceptance to UCF is necessary before acceptance to the Cardiopulmonary Sciences program can occur.
- This limited access program is work-intensive and courses include clinical practice in a variety of health care settings. Due to this it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- A personal interview is a required part of the application process.
- Student must complete all general education, foreign language, and program admission prerequisites by the end of Spring Semester before starting 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".
- A one page statement of intent for entry into the profession must be included with the program application. Typical papers are single spaced and approximately 500 words in length. Candidate should reflect on their reasons for wishing to become a respiratory care professional and their feelings concerning their recent site visit to a respiratory or cardiopulmonary department.
- Applicants are required to complete a BCLS (advanced CPR) course offered by American Heart Association (AHA) or AHA approved provider of BCLS training specifically designed for health care providers prior to their admission to the limited access cardiopulmonary sciences program.
- The limited access portion of the cardiopulmonary sciences program has a requirement for all students to submit a criminal background check prior to the scheduling of a personal interview. This requirement mirrors clinical affiliates' need to guarantee patient safety by screening students prior to providing them access to their patient populations.
- The practice of respiratory care can be a physically challenging experience. Students must possess a level of visual acuity, auditory perception, and motor coordination necessary to participate fully in this strenuous patient care centered program. Specific questions about the physical requirements for this program and professional duties should be directed to the Program Director.

This department will continue to accept Associate in Arts (AA) and Associate in Science (AS) transfers, but those students admitted with the AS degree will need to complete the UCF General Education requirements before they can be actively considered for admission to this limited access program. Students should seek advisement from the program as soon as they declare Cardiopulmonary Sciences as their major so that they are kept abreast of current articulation activity.

Note: A total of 20 UCF undergraduate students are admitted each Fall semester for the limited access Cardiopulmonary Sciences program. Registered Respiratory Therapists (RRT's) applying for this program's RRT-Transfer option will be admitted each semester on a space available basis. These individuals have a separate application process and are not counted as part of the regular Cardiopulmonary Sciences class. See transfer notes below.

Degree Requirements

- Students who are pending Cardiopulmonary Sciences 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
- Student should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Cardiopulmonary Sciences Program
- UCF Residency Requirement: 32 hours
- 25% of course work must be completed in residency at UCF
- 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 (36+2 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 |
| B. Cultural Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| Select MAC 1105 | |
| Select STA 2023 | |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 8 hrs |
| Select BSC 2010C | |
| Select CHM 1032 and lab | |

| | |
|---|---|
| 2. Common Program Prerequisites (16 hrs) | |
| MAC 1105 | College Algebra GEP |
| STA 2023 | Statistical Methods I GEP |
| BSC 2010C | Biology I GEP |
| MCB 2004C | Microbiology 4 hrs |
| ZOO 3733C | Human Anatomy* 4 hrs |
| PCB 3703C | Human Physiology* 4 hrs |
| CHM 1032&L | Chemistry for Health Sciences <i>or</i> higher level (with lab) GEP |
| PHY 2053C | College Physics or higher level (with lab) 4 hrs |

*See Transfer Notes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements (72 hrs)

| | |
|-----------|--|
| RET 3026C | Intro. to Respiratory Care 4 hrs |
| RET 3484C | Cardiopulmonary Physiology 4 hrs |
| HSC 4555 | Pathophysiologic Mechanisms 3 hrs |
| HSC 4158 | Medical Pharmacology I 2 hrs |
| RET 4503 | Chest Medicine 3 hrs |
| RET 4244 | Life Support Systems 3 hrs |
| RET 3483C | Respiratory Clinical Assessment 3 hrs |
| RET 3264C | Mechanical Ventilation 3 hrs |
| HSC 4159 | Medical Pharmacology II 2 hrs |
| RET 4414C | Pulmonary Function Studies 4 hrs |
| RET 3174 | Pediatric Respiratory Care 3 hrs |
| RET 3874 | Clinical Practice I 5 hrs |
| RET 4284 | Cardiopulmonary Diagnostics I 3 hrs |
| RET 4715 | Neonatal Medicine 3 hrs |
| RET 4034 | Problems in Patient Management. 3 hrs |
| RET 3875 | Clinical Practice II 8 hrs |
| RET 4285 | Cardiopulmonary Diagnostics II 3 hrs |
| RET 4934 | Selected Topics in Respiratory Care 2 hrs |
| RET 4876 | Clinical Practice III 8 hrs |
| RET 4536 | Cardiopulmonary Rehabilitation 3 hrs |

4. Upper Division Restricted Electives (3 hrs)

The Cardiopulmonary Sciences program allows students in the traditional limited access program 3 credit hours of 3000-4000 level restricted elective courses with the approval of the program director. Any course or courses used to fulfill the restricted elective requirement must be passed with a grade of "C" (2.0) or better to be counted toward total program credit hours.

5. Departmental Exit Requirements (127 hrs)

Cardiopulmonary Sciences GPA requirement minimum 2.5 overall required for admission and graduation.

6. Electives (none)

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 32 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 127 hrs

Related Programs: Radiologic Sciences, Nursing, Physical Therapy, Health Services Administration, Aging Studies Certificate

Related Minors: Health Services Administration, Health Sciences, Molecular Biology & Microbiology, Biology, Chemistry

Transfer Notes:

The UCF Cardiopulmonary Sciences program maintains an active transfer program open only to Registered Respiratory Therapists (RRT) and registry eligible respiratory therapists (new respiratory care graduates from an accredited respiratory care program). This program allows working respiratory care professionals to attend UCF and gain a baccalaureate degree in Cardiopulmonary Sciences. To facilitate this process, transfer-credit by examination is available for Registered Respiratory Therapists for 26 credits of course work.

UCF Degree Programs

Credit will be awarded by the Cardiopulmonary Sciences faculty when students demonstrate advanced knowledge and competencies beyond the level required for entry into the profession. This may be demonstrated by successful completion of the two part registry examination given by the National Board for Respiratory Care (NBRC). Only graduates of an accredited institution and program are eligible for the NBRC credentials. Students who successfully complete these requirements will have validated the knowledge and clinical competencies and will be awarded credit in their final semester with grades of "S" recorded in their transcripts.

Community College Equivalents

| | |
|---|-------|
| College Algebra (MAC 1105) <i>or</i> (higher level) | 3 hrs |
| Statistics (STA 2023) <i>or</i> (higher level) | 3 hrs |
| College Physics I (PHY 1007/L) <i>or</i> (PHY 1053/L) <i>or</i> higher level with labs | 4 hrs |
| General Chemistry with Lab (CHM 1031/L) <i>or</i> (higher level) | 4 hrs |
| Biology I with Lab (BSC 1010/L) <i>or</i> (higher level) | 4 hrs |
| General Microbiology (MCB 2010C) <i>or</i> (MCB 2004C) <i>or</i> (MCB 2020/L) <i>or</i> (PHA 2751) | 4 hrs |
| Human Anatomy and Physiology I & II (BSC 2093C and 2094C) <i>or</i> (BSC X085 and X086) replaces Anatomy and Physiology courses (ZOO 3733C and PCB 3703C) | 8 hrs |

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$50 per term
- Part-time Student\$25 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year

| | | | |
|-----------------|-----|--|----|
| Fall | 16 | Spring | 16 |
| ENC 1101 | 3 | ENC 1102 | 3 |
| HSC 2000 | 2 | MAC 1114 | 3 |
| BSC 2010C | 4 | MCB 2004C | 4 |
| CHM1032 and lab | 3/1 | EUH 2000 <i>or</i> HUM 2210 | 3 |
| MAC 1105 | 3 | <i>or</i> AMH 2010 | 3 |
| | | PSY 2012 <i>or</i> ANT 2000 <i>or</i> SYG 2000 | 3 |

Sophomore Year

| | | | |
|--|----|---|----|
| Fall | 14 | Spring | 13 |
| PHY 2053C | 4 | PCB 3703C | 4 |
| ZOO 3733C | 4 | SPC 1600 | 3 |
| EUH 2001 <i>or</i> HUM 2230 <i>or</i> AMH 2020 | 3 | ECO 2013 <i>or</i> POS 2041 | 3 |
| STA 2023 | 3 | One course: ARH 2050 | 3 |
| | | ARH 2051, MUL 2010, THE1020, REL 2300, PHI 2010, LIT 2110, LIT 2120 | 3 |

Junior Year

| | | | |
|-------------------------|----|-----------|----|
| Fall | 16 | Spring | 14 |
| RET 3026C | 4 | RET 4503 | 3 |
| Upper division elective | 3 | RET 4244 | 3 |
| HSC 4555 | 3 | RET 3174 | 3 |
| HSC 4158 | 2 | RET 3483C | 3 |
| RET 3484c | 4 | HSC 4159 | 2 |

Summer

| | | | |
|-----------|----|--|--|
| RET 4414C | 12 | | |
| RET 3264C | 4 | | |
| RET 3874 | 3 | | |
| | 5 | | |

Senior Year

| | | | |
|----------|----|----------|----|
| Fall | 17 | Spring | 16 |
| RET 4284 | 3 | RET 4285 | 3 |
| RET 3875 | 8 | RET 4876 | 8 |
| RET 4715 | 3 | RET 4934 | 2 |
| RET 4034 | 3 | RET 4536 | 3 |

Minor

none

Accreditation

Upon completion of the undergraduate program, the baccalaureate individual will possess basic and advanced level skills and should be prepared to assume future leadership roles within the profession. Graduates will be prepared to become Registered Respiratory Therapists through licensure by the State of Florida.

The Cardiopulmonary Sciences program is accredited by the Committee on Accreditation for Respiratory Care in conjunction with CAAHEP of the American Medical Association.

CHEMISTRY (B.S.)

College of Sciences

Department of Chemistry, CH 117, 407-823-2246

<http://www.cos.ucf.edu/chemistry>

E-mail: chemstaf@mail.ucf.edu

Contact: Cherie Geiger

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 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- AA transfer students are expected to have completed the following courses before enrolling as a Chemistry major; CHM 2045C, CHM 2046&L, CHM 2210, CHM 2211, MAC 2311, MAC 2312, PHY 2048 &L, and PHY 2049&L. 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
- 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
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program

(36+3 hrs)

(Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36)

- A. Communication Foundations
 - 1. Select ENC 1101 and ENC 1102 6 hrs
 - 2. Prefer SPC 1016 3 hrs
- B. Cultural and Historical Foundations 9 hrs
- C. Mathematical Foundations
 - 1. Select MAC 2311 4 hrs
 - 2. Prefer STA 2023 3 hrs
- D. Social Foundations 6 hrs
- E. Science Foundations
 - 1. Select PHY 2048 & L (PR:MAC 2311) 4 hrs
 - 2. Select BSC 2010C 4 hrs

2. Common Program Prerequisites

(22 hrs)

- CHM 2045C*+ Chem Fund I 4 hrs
- CHM 2046 & L Chem Fund II & lab 4 hrs
- CHM 2210 Organic Chem. I 3 hrs
- CHM 2211 Organic Chem. II 3 hrs
- MAC 2311 Calculus w/ Anal Geometry I GEP
- MAC 2312 Calculus w/ Anal Geometry II 4 hrs
- PHY 2048 & L* Physics Engr. & Sci. I & Lab GEP
- PHY 2049 & L* Physics Engr. & Sci. II & Lab 4 hrs

*See Transfer Notes for possible substitutes

+CHM 2040C plus CHM 2041C can substitute for CHM 2045C

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core requirements

(40 hrs)

- MAC 2313 Calculus w/ Anal Geometry III 4 hrs
- CHM 2211L Organic Lab Techniques I 2 hrs
- CHM 3212L Organic Lab Techniques II 2 hrs
- CHM 3120 & L Analytical Chemistry & Lab 4 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3411L Physical Chemistry Lab 2 hrs
- CHM 4610 Inorganic Chemistry 3 hrs
- CHM 4610L Inorganic Chemistry Lab 2 hrs
- CHM 4130 Adv Analytical Lab Technique 3 hrs
- CHM 4130L Adv Analytical Chem Lab 2 hrs
- CHM 4914C Undergraduate Research Methods 1 hrs
- CHM 4912 Undergraduate Research 4 hrs
- CHM 4930 Chemistry Seminar 1 hrs
- PHY 2048 & L Physics Engr. & Sci. I & Lab CPP
- PHY 2049 & L Physics Engr. & Sci. II & Lab CPP
- BCH 4053 Biochemistry I 3 hrs
- BSC 2010C Biology I GEP

Select one of the following

STA 1060C Statistics Using Excel
STA 2023 Statistical Methods I

*See Transfer Notes for possible substitutes

GEP

4. Upper Division Restricted Electives**(6 hrs)**

| | | |
|-----------|---------------------------------|-------|
| BCH 4054 | Biochemistry II | 3 hrs |
| CHM 5225 | Advanced Organic Chem I | 3 hrs |
| CHM 4220 | Organic Chem III | 3 hrs |
| CHM 5235 | Applied Molec Spectroscopy | 3 hrs |
| CHM 5580 | Advanced Physical Chem | 3 hrs |
| CHM 5450 | Polymer Chemistry | 3 hrs |
| CHM 5451C | Techniques in Polymer Chemistry | 3 hrs |
| CHS 4200 | Concepts in Industrial Chem | 3 hrs |
| CHS 4615 | Environmental Chem | 3 hrs |

5. 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. Departmental Exit Requirements

- Complete a minimum of 24 Chemistry credits at UCF
- Achieve at least a "C" GPA (2.0) in all UCF Chemistry courses and an overall 2.0 GPA in all Chemistry courses used to satisfy this requirement
- Grades earned in CHM 4914C, CHM 4930 and CHM 4912 will not be applied in the determination of the Chemistry GPA
- 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.
- Computer Competency met by STA 1060C or by departmental assessment
- 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 CLAST must be completely satisfied.

7. Foreign Language Requirements**(0-8 hrs)**

Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation:**none****8. Electives****(variable)**

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed.
Note: Chemistry majors may count MAC 2313, CHM 2211, and PHY 2049 as upper division credit.
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required**120 hrs**

Related Programs: Forensic Science, Molecular and, Microbiology, Science Education

Related Minors: Chemistry, Molecular and Microbiology

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 common program prerequisites if taken prior to transferring to UCF:

- CHM 2045C*: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C
- PHY 2048 & Lab: may use PHY 2053C. However PHY 2048 & Lab is required and will still have to be taken.
- PHY 2049* & Lab: may use PHY 2054C. However PHY 2049 & Lab is required and will still have to be taken
- Physics: CPP requirements may permit substitution by Organic Chemistry (CHM 2210 & 2211). However, both Physics courses and Organic Chemistry classes are required for graduation.

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 Fee

- Full-time Student\$90 per term
- Part-time Student\$45 per term

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.

Summer

Take Chemistry Placement Test ~ <http://chemplacement.sdes.ucf.edu/>

Take Math Placement Test ~ <http://mathplacement.sdes.ucf.edu/>

Freshman Year

| Fall | Spring | |
|----------------------------|------------------------------|---|
| BSC 2010C Biology I | 4 ENC 1102 Composition II | 3 |
| ENC 1101 Composition I | 3 SYG 2000* req# 1D2-GEP | 3 |
| MAC 2311 Calc Anal Geo I | 4 CHM 2046 Chemistry Fund II | 3 |
| CHM 2045C Chemistry Fund I | 4 CHM 2046L Chemistry Fund L | 1 |
| | MAC 2312 Calc Anal Geo II | 4 |

Sophomore Year

| Fall | Spring | |
|----------------------------|-------------------------------|---|
| PHY 2048 Phy for Eng Sci I | 3 PHI 2010* req# 1B3-GEP | 3 |
| PHY 2048L Phy L Eng Sci I | 1 CHM 2211 Organic Chm II | 3 |
| STA 1060C Stat Using Excel | 3 PHY 2049 Phy for Eng Sci II | 3 |
| CHM 2210 Organic Chm I | 3 PHY 2049L Phy L Eng Sci II | 1 |
| MAC 2313 Calc Anal Geo III | 4 CHM 2211L Organic L Tech I | 2 |
| | Elective* Check restrictions | 2 |

Junior Year

| Fall | Spring | |
|-----------------------------|-----------------------------|---|
| POS 2041* req# 1D1-GEP | 3 CHM 3411 Physical Chm II | 3 |
| BCH 4053 Biochemistry I | 3 CHM 3411L Physical Chm L | 2 |
| CHM 3120 Analy Chemistry | 5 CHM 4130 Adv Analy L Tech | 3 |
| CHM 3212L Organic L Tech II | 2 CHM 4610 Inorg Chemistry | 3 |
| CHM 3410 Physical Chm I | 4 BCH 4054* req# 4-ResEI | 3 |
| | CHM 4130L Adv Analy Chm Lab | 2 |

Senior Year

| Fall | Spring | |
|------------------------------|--------------------------------|---|
| HUM 2210* req# 1B1-GEP | 3 MUL 2010* req# 1B2-GEP | 3 |
| CHM 4610L Inorg Chemistry L | 2 SPC 1016 Tech Presentations | 3 |
| CHM 4914C undergrad Res Meth | 1 CHM 4912 Research | 3 |
| CHM 4220* req# 4-ResEI | 3 CHM 4930 Undergrad Chm Sem | 1 |
| PCB 3063* req# 5-DirEI | 3 Elective* Check restrictions | 3 |
| Elective* Check restrictions | 2 Elective* Check restrictions | 3 |
| CHM 4912 Research | 1 | |

CINEMA STUDIES TRACK in FILM**See Film - Cinema Studies Track**

UCF Degree Programs

CIVIL ENGINEERING (B.S.C.E.)

College of Engineering and Computer Science
Civil, Environmental, and Construction Engineering
Department (CECE)

ENG2 211, 407-823-2841; Fax: 407-823-3315

<http://www.cee.ucf.edu>

Undergraduate Coordinator and Academic Advisor: Carol Ann Pohl,
E-mail: cpohl@mail.ucf.edu; Associate Chair and Civil Program
Director: Manoj Chopra, Ph.D., P.E., E-mail: chopra@mail.ucf.edu

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 for Engineering Students (36+2 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 |
| 1. ENC 1101 & ENC 1102 | |
| 2. Prefer SPC 1016 | |
| B. Cultural and Historical Foundations | 9 hrs |
| 1. Select two courses from Historical Foundations | |
| 2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1000, REL 2300, PHI 2010, LIT 2110, <i>or</i> LIT 2120 | |
| C. Mathematical Foundations | 7 hrs |
| 1. Select MAC 2311 (PR: MAC 1114 and MAC 1140) | |
| 2. Select STA 3032 (PR: MAC 2312) | |
| D. Social Foundations | 6 hrs |
| 1. Prefer ECO 2013 <i>or</i> ECO 2023. | |
| 2. ANT 2000, PSY 2012, <i>or</i> SYG 2000. | |
| E. Science Foundations | 7 hrs |
| 1. Select PHY 2048/48L (PR: MAC 2311). | |
| 2. Prefer GEO 1200 | |

2. Common Program Prerequisites (CPP's) (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 sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

| | | |
|--------------------|---------------------------------------|-------|
| CHM 2045C/45L | Chemistry Fundamentals I with Lab | 4 hrs |
| <i>or</i> CHS 1440 | Fund of Chemistry for Engineers | |
| MAC 2311 | Calculus with Analytic Geometry I | 4 hrs |
| MAC 2312 | Calculus with Analytic Geometry II | 4 hrs |
| MAC 2313 | Calculus with Analytic Geometry III | 4 hrs |
| MAP 2302 | Differential Equations | 3 hrs |
| PHY 2048/48L | Physics for Engineers & Scientists I | GEP |
| PHY 2049/49L | Physics for Engineers & Scientists II | 4 hrs |
| ENC 1101 | Composition I | GEP |
| ENC 1102 | Composition II | GEP |
| | Humanities Courses | GEP |
| | Social Science Courses | GEP |
| | Humanities or Social Sciences | GEP |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Courses Required for the Major (62 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 technical elective courses listed in 4. below and with the senior design courses listed in 5. below. Independent study courses generally do **not** satisfy major requirements. A "C" (2.0) or better is required for those courses in section 3. marked with an asterisk(*).

| | | |
|-----------|-------------------------------------|-------|
| EGN 1006C | Intro to the Engineering Profession | 1 hr |
| EGN 1007C | Engineering Concepts & Methods | 1 hr |
| CHM 2045C | Chemistry Fundamentals I | CPP |
| CHM 2046 | Chemistry Fundamentals II | 3 hrs |

| | | |
|--------------------|--|-------|
| EGN 3310* | Engineering Analysis - Statics | 3 hrs |
| EGN 3321 | Engineering Analysis - Dynamics | 3 hrs |
| EGN 3331* | Mechanics of Materials | 3 hrs |
| EGN 3343 | Thermodynamics | 3 hrs |
| CGN 3501C | Civil Engineering Materials | 3 hrs |
| <i>or</i> EGN 3365 | Structure & Properties of Materials | |
| EGN 3373 | Principles of Electrical Engineering | 3 hrs |
| EGN 3613 | Engineering Economic Analysis | 2 hrs |
| CCE 4003 | Intro to the Construction Industry | 3 hrs |
| ENV 3001 | Intro to Environmental Engineering | 3 hrs |
| STA 3032 | Probability & Statistics for Engineers | GEP |
| CEG 4011C | Geotechnical Engineering I | 4 hrs |
| CES 4100C | Structural Analysis I | 4 hrs |
| CES 4605 | Steel Structures | 3 hrs |
| <i>or</i> CES 4702 | Reinforced Concrete Structures | |
| CWR 3201 | Engineering Fluid Mechanics | 3 hrs |
| CWR 4101C | Hydrology | 3 hrs |
| CWR 4203C | Hydraulics | 3 hrs |
| ENV 4561 | Environment Engrng-Process Design | 4 hrs |
| SUR 2101C | Surveying | 3 hrs |
| TTE 4004 | Transportation Engineering | 4 hrs |

4. Approved Technical Electives (3 hrs)

Technical electives are available in the BSCE program to address specific student interests in a variety of technical areas. Students should consult 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. Departmental Graduation Requirements (6 hrs)

- | | |
|--------------------------------------|-------|
| Approved CE Project Design Course I | 3 hrs |
| Approved CE Project Design Course II | 3 hrs |

- Civil engineering students must take the Fundamentals Exam during their Senior year.
- Earn a minimum graduating GPA of 2.25 in the major courses from item 3. above, the technical electives in item 4. above, and the approved CE project design courses.

6. Foreign Language Requirements (0-8 hrs)

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

7. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: 128 hrs

Related Programs: Construction Engineering, Environmental Engineering

Related Minors: Mathematics, Engineering Leadership.

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.

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 Fee

- Full-time Student \$76 per term
- Part-time Student \$38 per term

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 departmental academic advisor to develop and maintain an appropriate plan of study.

Civil Engineering - 128 semester hours required

FIRST YEAR

| | | | |
|------------------------------|---------------------|-------------------------------|---------------------|
| Fall | 14 hrs ¹ | Spring | 14 hrs ¹ |
| *ENC 1101 English Comp I | 3 | *ENC 1102 English Comp II | 3 |
| *MAC 2311 Calc w/Analy Geo I | 4 | *MAC 2312 Calc w/Analy Geo II | 4 |
| *ANT/PSY/SYG | 3 | *PHY 2048/L Phys Engr I w/lab | 4 |
| *ECO 2013 Macroeconomics | 3 | EGN 3613 Eng Econ Anal | 2 |
| or ECO 2023 Microeconomics | | EGN 1007C Eng Con & Meth | 1 |
| EGN 1006C Intro To Eng Prof | 1 | | |

SECOND YEAR

| | | | |
|--------------------------------|---------------------|-------------------------------|---------------------|
| Fall | 14 hrs ¹ | Spring | 16 hrs ¹ |
| *MAC 2313 Calc w/Analy Geo III | 4 | *MAP 2302 Diff Equations | 3 |
| *CHM 2045C/L Chem Funds I | 4 | *CHM 2046 Chemistry Funds II | 3 |
| *HUM/AMH/EUH - I | 3 | *PHY 2049/L Phys Eng II w/lab | 4 |
| EGN 3310 Engr Anal - Statics | 3 | *GEO/GLY/BSC | 3 |
| | | EGN 3321 Engr Anal-Dynamic | 3 |

Summer

| | |
|-------------------------------|-------|
| | 9 hrs |
| *SUR 2101C Surveying | 3 |
| EGN 3331 Mech of Materials | 3 |
| ENV 3001 Intro to Environ Eng | 3 |

THIRD YEAR

| | | | |
|---------------------------------|--------|-----------------------------|---------------------|
| Fall | 16 hrs | Spring | 16 hrs ¹ |
| CWR 3201 Eng Fluid Mechanics | 3 | CWR 4101C Hydrology | 3 |
| CCE 4003 Intro to Const Indus | 3 | CWR 4203C Hydraulics | 3 |
| *SPC 1016 Tech Presentations | 3 | EGN 3373 Prin Elec Eng | 3 |
| CES 4100C Structural Analysis I | 4 | *HUM/AMH/EUH - II | 3 |
| STA 3032 Prob/Stats for Engrs | 3 | TTE 4004 Transportation Eng | 4 |

FOURTH YEAR

| | | | |
|--------------------------------|--------|----------------------------------|--------|
| Fall | 14 hrs | Spring | 15 hrs |
| ENV 4561 Env Eng-Proc Desgn | 4 | Approved Project Design Course | 3 |
| CEG 4011C Geotechnical Engr | 4 | CES 4702 Reinfrcd Concre Strctrs | 3 |
| CES 4605 Steel Structures | 3 | or Technical Elective | |
| or Technical Elective | | CGN 3501C Civil Engrg Materials | 3 |
| Approved Project Design Course | 3 | or EGN 3365 Str. & Prop Matts | |
| | | EGN 3343 Thermodynamics | 3 |
| | | *Cultural Elective | 3 |

Notes:

1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in this catalog for further information.
2. Either CES 4605 Steel Structures or CES 4702 Reinforced Concrete Structures is required for all students.
3. 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 area 4. Approved Technical Electives.
4. Students must earn a minimum grade of "C" (2.0) in EGN 3310 or its equivalent before registering for subsequent courses.
5. Students must earn a minimum grade of "C" (2.0) in EGN 3331 or its equivalent before registering for subsequent courses.

BS to PhD Program

The Civil Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master's followed by the PhD.

COMMUNICATION SCIENCES AND DISORDERS (B.A., B.S.)

College of Health and Public Affairs
Department of Communication Sciences & Disorders
HPA2 101

<http://www.cohpa.ucf.edu/comdis/>

Undergraduate Program Director: Jamie B. Schwartz, 407-823-4798,
E-mail: jschwart@mail.ucf.edu

Admission Requirements

none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida public community college, and usually should be completed in the first 60 hours
- Students must earn at least a "C-" (1.75) in each required course, restricted elective, and B.A./B.S. elective
- Communication Sciences and Disorders is an unrestricted major, however, negative criminal background checks may result in the inability to complete coursework in this major

1. UCF General Education Program

(36 hrs)

- A. Communication Foundations 9 hrs
- B. Cultural Historical Foundations 9 hrs
- C. Mathematical Foundations 6 hrs
 - Prefer MGF 1106 Finite Math
 - Select STA 2014C or STA 2023
- D. Social Foundations 6 hrs
 - Select PSY 2012 General Psychology
 - Select one of the listed choices (ECO 2013, ECO 2023), or (POS 2041)
- E. Science Foundations 6 hrs
 - One biological science (Prefer BSC 1005)
 - Select one physical science

2. Common Program Prerequisites

none

3. Core Requirements

(60 hrs)

| | | |
|------------|--|-------|
| DEP 2004 | Developmental Psychology | 3 hrs |
| SPA 3471 | Communication Disorders in Literature and Media | 3 hrs |
| SPA 3101 | Physiological Bases of Speech and Hearing | 3 hrs |
| SPA 3112 | Basic Phonetics | 3 hrs |
| SPA 3112L | Basic Phonetics Lab | 1 hr |
| LIN 3716 | Language Development: Birth Through 8 Years | 3 hrs |
| SPA 3011 | Speech Science I: Speech Production | 3 hrs |
| SPA 3011L | Speech Production Lab | 1 hr |
| LIN 3717 | Language Development: 9-18 Years | 3 hrs |
| SPA 3104 | Neural Bases of Communication | 3 hrs |
| SPA 3123 | Speech Science II: Speech Perception | 3 hrs |
| SPA 3123L | Speech Perception Lab | 1 hr |
| SPA 4476 | Speech Disorders Across the Lifespan | 3 hrs |
| SPA 4032 | Audiology | 3 hrs |
| SPA 4478 | Multicultural Aspects: Communication Disorders and Differences | 3 hrs |
| LIN 4711 | Language Analysis | 3 hrs |
| LIN 4711L | Language Analysis Lab | 1 hr |
| SPA 4400 | Language Disorders Across the Lifespan | 3 hrs |
| SPA 4321 | Audiologic Rehabilitation | 3 hrs |
| EAB 3703 | Principles of Behavior Modification or | 3 hrs |
| EEX 4601 | Introduction to Behavior Management or | |
| EEC 4604 | Guidance of Young Children or | |
| EDF 3303 | Learning Environments and Guidance for Young Children or | |
| SPA 3472 | Guidance of Young Children with Communication Disorders | 5 hrs |
| SPA 4056C* | Clinical Methods in Communication Disorders | 5 hrs |
| SPA 4501L | Undergraduate Clinical Practicum or | 3 hrs |
| SPA 4948 | Community Internship | |

*Note: Students must complete criminal background checks with the FDLE/FBI and certified background.com as a prerequisite to SPA 4056C. Results must be received before course registration.

4. Statistics Requirement

(3 hrs)

Students have two options for completing this requirement:

| | | |
|------------------|--|-------|
| Option 1: | | |
| STA 2023 | Statistical Methods I and | GEP |
| STA 4163 | Statistical Methods II or | 3 hrs |
| Option 2: | | |
| STA 2014C | Principles of Statistics (GEP) or | GEP |
| STA 2023 | Statistical Methods I and | |
| SPA 4803 | Research Methods in Communication Sciences and Disorders | 3 hrs |

5. Upper Division Restricted Electives

(6 hrs)

An additional six credit hours of upper division course work in Communication Sciences and Disorders selected in consultation with an academic advisor.

UCF Degree Programs

6. Electives

(6 hrs min)

B.A./B.S. Option.

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college.
- Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.

7. Foreign Language Requirements

Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can also be used to fulfill this requirement.

8. 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.

9. University Minimum Exit Requirements

(120 hrs)

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Related Programs: Health Services Administration, Physical Therapy, Psychology, Social Work, Exceptional Student Education, Early Childhood Education

Related Minors: American Sign Language and Deaf Studies, Exceptional Education, Early Childhood Education, Aging Studies, Health Services Administration, Interpersonal Communication, Linguistics, Psychology

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

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$35 per term
- Part-time Student\$17.50 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year

| Fall | 16 hrs | Spring | 15 hrs |
|---|--------|--|--------|
| ENC 1101 | 3 | ENC 1102 | 3 |
| PSY 2012 | 3 | PSC 1121 or PHY 2053C | 3 |
| BSC 1005 and lab | 4 | ECO 2013 or ECO 2023 | 3 |
| One Course: ARH 2050 or ARH 2051, or MUL 2010, or THE 2000, or REL 2300, or PHI 2010, or LIT 2110, or LIT 2120, or FIL 1000 | 3 | or POS 2041 EUH 2000 or HUM 2210 or AMH 2010 DEP 2004 | 3 |
| Elective | 3 | | |

Sophomore Year

| Fall | 15/16 hrs | Spring | 15/16 hrs |
|----------------------------------|-----------|---|-----------|
| SPC 1600 | 3 | SPA 3112 and SPA 3112L | 4 |
| EUH 2001 or HUM 2230 or AMH 2020 | 3 | Restricted Elective | 3 |
| MGF 1106 or MAC 1105 | 3 | EAB 3703, or EDF 3303 or EEX 4601, or EEC 4604, or SPA 3472 | 3 |
| Elective | 3 | STA 2014C or STA 2023 | 3 |
| SPA 3471 | 3 | Foreign Lang. I (B.A.)* or Health Sciences (B.S.) elective | 3/4 |

Summer
Foreign Lang. II (B.A.)* or Health Sciences (B.S.) elective

3/4 hrs
3/4

Junior Year

| Fall | 13/14 hrs | Spring | 13 hrs |
|------------------------|-----------|------------------------|--------|
| LIN 3716 | 3 | LIN 3717 | 3 |
| SPA 3011 and SPA 3011L | 4 | SPA 3123 and SPA 3123L | 4 |
| SPA 3101 | 3 | SPA 4476 | 3 |
| STA 4163 or SPA 4803 | 3 | SPA 3104 | 3 |

Senior Year

| Fall | 15 hrs | Spring | 12/15 hrs |
|--------------------|--------|-------------------------|-----------|
| SPA 4032 | 3 | SPA 4321 | 3 |
| SPA 4400 | 3 | SPA 4501L** or SPA 4948 | 3 |
| LIN 4711 and 4711L | 4 | Restricted Elective*** | 3 |
| SPA 4056C | 5 | SPA 4478 | 3 |
| | | Elective (if needed) | 3 |

*Students taking American Sign Language (ASL) to satisfy BA foreign language requirement must complete three semesters of ASL.

**Students must apply and be selected to enroll in SPA 4501L.

***Consult department for list of restricted electives.

Note: 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. Minimum requirements for entry into the graduate program typically include at least a 3.0 GPA in the last 60 hours of undergraduate work in the major. Entry level positions to provide speech and language services are available in some Florida school districts. Under the 2/5 Rule, individuals employed in these positions have two years from the date of employment to enroll in a master's program in Communication Sciences and Disorders and five years to complete the degree.

COMPUTER ENGINEERING (B.S.P.E.)

College of Engineering and Computer Science

School of Electrical Engineering & Computer Science

Harris Corp Engineering Ctr., Rm 246,

407-823-2787; Fax: 407-823-5419

<http://www.eecs.ucf.edu>

Contact: Dr. Samuel Richie, E-mail: richie@mail.ucf.edu;

Charlese Hilton-Brown, E-mail: Chilton@mail.ucf.edu

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 for Engineering Students (36+2 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.

- Communication Foundations 9 hrs
 - ENC 1101 & ENC 1102
 - Prefer SPC 1016
- Cultural and Historical Foundations 9 hrs
 - Select two courses from Historical Foundations
 - ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1000, REL 2300, PHI 2010, LIT 2110, or LIT 2120
- Mathematical Foundations 7 hrs
 - Select MAC 2311 (PR: MAC 1114 and MAC 1140)
 - Select STA 3032 (PR: MAC 2312)

- D. Social Foundations 6 hrs
 1. Prefer ECO 2013 *or* ECO 2023
 2. ANT 2000, PSY 2012, *or* SYG 2000
- E. Science Foundations 7 hrs
 1. Select PHY 2048/2048L (PR: MAC 2311)
 2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, *or* MCB 1310

2. Common Program Prerequisites (CPP's) (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 ECE major courses, a 2.0 (C or better) in each course is required for those courses in section 2. marked with an asterisk (*).** Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

| | | |
|---------------|---|-------|
| CHS 1440 | Fundamentals of Chemistry for Eng (CHM 2045C/45L will substitute) | 4 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 2048/48L* | Physics for Engineers & Scientists I | GEP |
| PHY 2049/49L* | Physics for Engineers & Scientists II | 4 hrs |
| ENC 1101 | Composition I | GEP |
| ENC 1102 | Composition II | GEP |
| | Humanities Courses | GEP |
| | Social Science Courses | GEP |
| | Humanities or Social Sciences | GEP |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Courses Required for the Engineering Core (8 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 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.

| | | |
|--------------------|--|-------|
| EGN 1006C | Intro to the Engineering Profession | 1 hr |
| EGN 1007C | Engineering Concepts & Methods | 1 hr |
| EGN 3310 | Engineering Analysis - Statics | 3 hrs |
| EGN 3321 | Engineering Analysis - Dynamics | 3 hrs |
| <i>or</i> EGN 3358 | Thermo-Fluids-Heat Transfer | |
| STA 3032 | Probability & Statistics for Engineers | GEP |

4. Courses Required for the Major (48 hrs)

| | | |
|-----------|----------------------------------|-------|
| COT 3100C | Discrete Structures | 3 hrs |
| COP 3502C | Computer Science I | 3 hrs |
| COP 3503C | Computer Science II | 4 hrs |
| COP 3330 | Object Oriented Prog | 3 hrs |
| COP 4331C | Processes Object Oriented SW Dev | 4 hrs |
| EEL 3004 | Electrical Networks | 3 hrs |
| EEL 3123C | Networks and Systems | 4 hrs |
| EEE 3307C | Electronics I | 4 hrs |
| EEE 3342C | Digital Systems | 3 hrs |
| EEL 3801 | Computer Organization | 3 hrs |
| EEL 4767C | Embedded Systems | 4 hrs |
| EEL 4768C | Computer Architecture | 4 hrs |
| EEL 4781 | Computer Comm Networks | 3 hrs |
| COP 4600 | Operating Systems | 3 hrs |

5. Approved Technical Electives (9 hrs)

Technical electives are available in the BSCpE program to address specific student interests in a variety of technical areas such as Software Engineering. Students should consult with their 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. Departmental Graduation Requirements (6 hrs)

| | | |
|-----------|------------------|-------|
| EEL 4914 | Senior Design I | 3 hrs |
| EEL 4915L | Senior Design II | 3 hrs |

CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Graduation Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 128 hrs

Related Programs: Computer Science, Electrical Engineering, Electrical Engineering Technology (Computer Systems Concentration).

Related Minors: Information Technology, Computer Science, Intelligent Robotic Systems, Engineering Leadership.

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

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student \$58 per term
- Part-time Student \$29 per term

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.

Computer Engineering - 128 semester hours required

FIRST YEAR

| | | | |
|--------------------------------------|-----------------------|----------------------------------|-----------------------|
| Fall | 14 hrs ^{1,3} | Spring | 12 hrs ^{1,3} |
| *Historical Foundations 1a | 3 | *ENC 1102 English Comp II | 3 |
| *ENC 1101 English Comp I | 3 | EGN 1007C Eng Conc & Meth | 1 |
| *SPC 1016 Tech Presentations | 3 | *MAC 2312 Calc with Analy Geo II | 4 |
| EGN 1006C Intro to Engr | 1 | *PHY 2048/L Phys for Eng/Sci I | 4 |
| *MAC 2311 Calc with Analytic Geo I | 4 | | |
| Summer | 10 hrs ¹ | | |
| *Social Foundations 1 | 3 | | |
| *Science Foundations 2 | 3 | | |
| *MAC 2313 Calc with Analytic Geo III | 4 | | |

SECOND YEAR

| | | | |
|-------------------------------------|---------------------|---------------------------------------|---------------------|
| Fall | 13 hrs ¹ | Spring | 16 hrs ¹ |
| *MAP 2302 Diff Equations | 3 | EGN 3321 Engr Anal-Dynamics | 3 |
| *PHY 2049/L Phys Engr/Sci II | 4 | <i>or</i> EGN 3358 Ther-Flids-Ht Tran | |
| EGN 3310 Engr Anal-Statics | 3 | STA 3032 Prob/Stats for Engr | 3 |
| COT 3100C Intro Discrete Structures | 3 | CHS 1440 Chem for Engr | 4 |
| | | EEL 3801 Computer Organization | 3 |
| | | EEL 3004 Electrical Networks | 3 |

| | |
|-----------------------------------|--------------------|
| Summer | 9 hrs ¹ |
| *ECO 2013 Macroeconomics | 3 |
| <i>or</i> ECO 2023 Microeconomics | |
| *Historical Foundations 1b | 3 |
| Cultural Foundation | 3 |

THIRD YEAR

| | | | |
|---|--------|-------------------------------|--------|
| Fall | 13 hrs | Spring | 15 hrs |
| COP 3330 Obj Oriented Prog | 3 | EEE 3307C Electronics I | 4 |
| COP 3502C Computer Science I ² | 3 | COP 3503C Computer Science II | 4 |
| EEE 3342C Digital Systems | 3 | EEL 4767C Embedded Systems | 4 |
| EEL 3123C Networks and Systems | 4 | Approved Technical Elective | 3 |

FOURTH YEAR

| | | | |
|---------------------------------------|---------------------|-----------------------------|---------------------|
| Fall | 14 hrs ³ | Spring | 12 hrs ¹ |
| EEL 4768C Computer Architecture | 4 | COP 4600 Operating Systems | 3 |
| COP 4331C Processes Obj Ornt SW Dev 4 | | Approved Technical Elective | 3 |
| EEL 4914 Senior Design I | 3 | EEL 4915L Senior Design II | 3 |
| Approved Technical Elective | 3 | EEL 4781 Comp Comm Networks | 3 |

UCF Degree Programs

Notes:

1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in this catalog for further information.
2. Assumes knowledge of a higher level programming language (C preferred).
3. EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 5: Approved Technical Electives.

Accelerated BS/MS Degree Program

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.

COMPUTER SCIENCE (B.S.)

College of Engineering and Computer Science
 School of Electrical Engineering & Computer Science
 Harris Corp Engineering Ctr., Rm 246,
 407-823-2787; Fax: 407-823-5419

<http://www.eecs.ucf.edu>

Contacts: Dr. Ali Orooji, E-mail: orooji@cs.ucf.edu;
 Charlese Hilton-Brown, E-mail: chilton@mail.ucf.edu

Foundation Examination

Prior to taking courses beyond basic core requirements, students must pass a foundation exam (COT 3960) which covers problem solving techniques, algorithms, abstraction, proofs, and programming language skills. Tests will be administered each semester. Refer to the computer science website for more information about the foundation exam.

Degree Requirements

- Students must earn at least a 2.0 in each course in 2-5
- 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

1. UCF General Education Program (36+3 hrs)

- A. Communication Foundations 9 hrs
 1. ENC 1101, & ENC 1102
 2. Prefer SPC 1016
- B. Cultural and Historical Foundations 9 hrs
- C. Mathematical Foundations 7 hrs
 1. Select MAC 2311 (PR: MAC 1114 and MAC 1140)
 2. Select STA 2023
- D. Social Foundations 6 hrs
- E. Science Foundations 8 hrs
 1. Select PHY 2048 & L (PR:MAC 2311)
 2. Prefer BSC 2010C & L

2. Common Program Prerequisites (15 hrs)

- | | | |
|--------------|-----------------------------------|-------|
| COP 3223 | C Programming | 3 hrs |
| MAC 2311 | Calculus with Analytic Geom I | GEP |
| MAC 2312 | Calculus with Analytic Geom II | 4 hrs |
| PHY 2048 & L | Physics for Engr. & Sci. I & Lab | GEP |
| PHY 2049 & L | Physics for Engr. & Sci. II & Lab | 4 hrs |
- Select two science courses designed for majors
 4 hrs + GEP

Examples of acceptable science courses include:

- | | |
|-----------|---------------|
| BSC 2010C | Biology I |
| BSC 2011C | Biology II |
| CHM 2045C | Chem. Fund I |
| CHM 2046 | Chem. Fund II |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Basic Core Requirements (25 hrs)

- | | | |
|-----------|--------------------------|-------|
| COP 3330 | Intro to OO Programming | 3 hrs |
| COP 3502C | Computer Science I | 3 hrs |
| COP 3503C | Computer Science II | 4 hrs |
| STA 2023 | Statistical Methods I | GEP |
| ENC 3241 | Technical Report Writing | 3 hrs |
| EEL 3801 | Computer Organization | 3 hrs |

- | | | |
|-----------|--|-------|
| COT 3100C | Intro to Discrete Structures | 3 hrs |
| PHI 3626 | Ethics in Science and Technology | 3 hrs |
| COP 3402 | Systems Software | 3 hrs |
| COT 3960 | Foundat. Exam (PR:COT 3100C & COP 3502C) | 0 hrs |

4. Advanced Core (20 hrs)

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 OO Software Development | 4 hrs |
| EEL 4768C | Comp. Architecture | 4 hrs |
| COT 4210 | Discrete Comp Structures | 3 hrs |
| COP 4020 | Programming Languages I | 3 hrs |
| COP 4600 | Operating Systems | 3 hrs |
| COT 4810 | Topics in Computer Science | 3 hrs |

5. Restricted Electives (15 hrs)

4000-5000 level Computer Science courses 9 hrs
 Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

4000-5000 level mathematics or statistics 6 hrs
 courses from: STA, MAP, MAA, MAD, MAS prefixes and MAC 2313, MAP 2302, MAS 3105, and MAS 3106. No independent study hours, internship, or cooperative education hours are allowed.

6. School Exit Requirements

- Complete an exit survey
- Computer Competency met by completion of major

7. Foreign Language Requirements (0-4 hrs)

Admission: 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 (variable)

Select primarily from upper level courses, with the student's advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Computer Engineering, Information Technology, Management Information Systems

Related Minors and Certificates: Information Technology, Computer Science, Intelligent Robotic Systems, Secure Computing and Networks, Interdisciplinary Informatics Technology

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.

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 Fee

- Full-time Student\$22 per term
- Part-time Student\$11 per term

FIRST YEAR

| | | | |
|--------------------------------------|---------------|----------------------------|---------------|
| Fall | 12 hrs | Spring | 13 hrs |
| ENC 1101 English Comp I | 3 | ENC 1102 English Comp II | 3 |
| SPC 1016 Tech Presentations | 3 | MAC 2311 Calc with Analy | 4 |
| COT 3100C Intro. Discrete Structures | 3 | COP 3502C Comp Science I | 3 |
| COP 3223 C Programming | 3 | EEL 3801 Comp Organization | 3 |
| | | COT 3960 Foundation Exam | 0 |
| Summer | 7 hrs | | |
| MAC 2312 Calc with Analy Geo II | 4 | | |
| COP 3330 Intro to OOP/Java | 3 | | |

SECOND YEAR

| | | | |
|--------------------------------|---------------|--------------------------------|---------------|
| Fall | 14 hrs | Spring | 14 hrs |
| COP 3402 Systems Software | 3 | COP 4331C Processes for OO Dev | 4 |
| COP 3503C Comp Science II | 4 | ENC 3241 Tech Report Writing | 3 |
| PHY 2048 Physics for Sci w/lab | 4 | PHY 2049 Physics for Sci w/lab | 4 |
| Cultural Foundations | 3 | PHI 3626 Ethics in Sci & Tech | 3 |
| Summer | 6 hrs | | |
| STA 2023 Statistical Methods | 3 | | |
| Social Foundations | 3 | | |

THIRD YEAR

| | | | |
|---------------------------------|---------------|-------------------------------|---------------|
| Fall | 14 hrs | Spring | 13 hrs |
| EEL 4768C Computer Architecture | 4 | COP 4600 Operating System | 3 |
| COP 4020 Programming Langs | 3 | CHM 2045C Chemistry I | 4 |
| BSC 2010C Gen Biology I | 4 | Math/Stat Restricted Elective | 3 |
| Social Foundations | 3 | CS Elective | 3 |
| Summer | 3 hrs | | |
| COT 4210 Discrete Structure II | 3 | | |

FOURTH YEAR

| | | | |
|------------------------|---------------|-------------------------------|---------------|
| Fall | 12 hrs | Spring | 12 hrs |
| COT 4810 Topics in CS | 3 | CS Elective | 3 |
| CS Elective | 3 | Multi-Cultural Elective | 3 |
| Historical Foundations | 3 | Historical Foundations | 3 |
| Free Elective | 3 | Math/Stat Restricted Elective | 3 |

Accelerated BS/MS Degree Program

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.

CONSTRUCTION ENGINEERING (B.S.Con.E.)

College of Engineering and Computer Science
Civil, Environmental, and Construction Engineering
Department (CECE)

ENG2 211, 407-823 2841; Fax: 407-823-3315

<http://www.cce.ucf.edu>

Undergraduate Coordinator and Academic Advisor: Carol Ann Pohl,
E-mail: cpohl@mail.ucf.edu;
Construction Program Director: Amr A. Oloufa, Ph.D., P.E., E-mail:
aoloufa@mail.ucf.edu

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 for Engineering Students (36+2 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
 1. ENC 1101 & ENC 1102
 2. Prefer SPC 1016
- B. Cultural and Historical Foundations 9 hrs
 1. Select two courses from Historical Foundations
 2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1000, REL 2300, PHI 2010, LIT 2110, *or* LIT 2120

- C. Mathematical Foundations 7 hrs
 1. Select MAC 2311 (PR: MAC 1114 and MAC 1140)
 2. Select STA 3032 (PR: MAC 2312)
- D. Social Foundations 6 hrs
 1. Prefer ECO 2013 *or* ECO 2023.
 2. ANT 2000, PSY 2012, *or* SYG 2000.
- E. Science Foundations 7 hrs
 1. Select PHY 2048/48L (PR: MAC 2311)
 2. Prefer GEO 1200

2. Common Program Prerequisites (CPP's) (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 sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

| | | |
|--------------------|---------------------------------------|-------|
| CHM 2045C/45L | Chemistry Fundamentals I with Lab | 4 hrs |
| <i>or</i> CHS 1440 | Fund of Chemistry for Engineers | |
| MAC 2311 | Calculus w/Analytic Geometry I | GEP |
| MAC 2312 | Calculus w/Analytic Geometry II | 4 hrs |
| MAC 2313 | Calculus w/Analytic Geometry III | 4 hrs |
| MAP 2302 | Differential Equations | 3 hrs |
| PHY 2048/48L | Physics for Engineers & Scientists I | GEP |
| PHY 2049/49L | Physics for Engineers & Scientists II | 4 hrs |
| ENC 1101 | Composition I | GEP |
| ENC 1102 | Composition II | GEP |
| | Humanities Courses | GEP |
| | Social Science Courses | GEP |
| | Humanities or Social Sciences | GEP |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Courses Required for the Major (62 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 technical elective courses listed in 4. below and with the senior design courses listed in 5. below. Independent study courses generally do **not** satisfy major requirements. A "C" (2.0) or better is required for those courses in section 3. marked with an asterisk(*)

| | | |
|--------------------|--|-------|
| EGN 1006C | Intro to the Engineering Profession | 1 hr |
| EGN 1007C | Engineering Concepts & Methods | 1 hr |
| CHM 2045C | Chemistry Fundamentals I | CPP |
| CHM 2046 | Chemistry Fundamentals II | 3 hrs |
| EGN 3310* | Engineering Analysis - Statics | 3 hrs |
| EGN 3321 | Engineering Analysis - Dynamics | 3 hrs |
| EGN 3331* | Mechanics of Materials | 3 hrs |
| EGN 3613 | Engineering Economic Analysis | 2 hrs |
| ENV 3001 | Intro to Environmental Engineering | 3 hrs |
| STA 3032 | Probability & Statistics for Engineers | GEP |
| CCE 4813 | Mech & Elec Systems for Buildings | 4 hrs |
| CCE 4402 | Construction Equip & Productivity | 3 hrs |
| CGN 3501C | Civil Engineering Materials | 3 hrs |
| <i>or</i> EGN 3365 | Struc & Prop of Materials | |
| CCE 4004 | Construction Methods | 3 hrs |
| CCE 4034 | Construction Estimating & Scheduling | 3 hrs |
| CCE 4003 | Intro to the Construction Industry | 3 hrs |
| CEG 4011C | Geotechnical Engineering I | 4 hrs |
| CES 4100C | Structural Analysis I | 4 hrs |
| CES 4702 | Reinforced Concrete Structures | 3 hrs |
| <i>or</i> CES 4605 | Steel Structures | |
| CWR 3201 | Engineering Fluid Mechanics | 3 hrs |
| ACG 2071 | Managerial Accounting | 3 hrs |
| SUR 2101C | Surveying | 3 hrs |
| TTE 4004 | Transportation Engineering | 4 hrs |

4. Approved Engineering Science Electives (3 hrs)

Engineering Science electives are available in the BSConE program to address specific student interests in a variety of technical areas. Students are encouraged to take EGN 3343 (Thermodynamics), EGN 3373 (Principles of Elect Engr), CWR 4101C (Hydrology), or CWR 4203C (Hydraulics) as the technical elective. Other courses from the list of approved technical electives may be used with the approval of the department advisor. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

5. Departmental Graduation Requirements (6 hrs)

- CCE 4810C Construction Engr. Design Project 3 hrs
- CEG 4801C Geotechnical Engr. Design 3 hrs

UCF Degree Programs

- Construction engineering students must take the Fundamentals Exam during their Senior year.
- Earn a graduating GPA of 2.25 in the major courses from item 3. above, the technical electives in item 4. above, and the approved ConE project design courses.

6. Foreign Language Requirements (0-8 hrs)

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

7. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: 128 hrs

Related Programs: Civil Engineering, Environmental Engineering.

Related Minors: Mathematics, Engineering Leadership

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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$76 per term
- Part-time Student\$38 per term

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 departmental academic advisor to develop and maintain an appropriate plan of study.

Construction Engineering – 128 semester hours required

FIRST YEAR

| Fall | 14 hrs ¹ | Spring | 15 hrs ¹ |
|--|---------------------|-------------------------------|---------------------|
| *ENC 1101 English Comp I | 3 | *ENC 1102 English Comp II | 3 |
| *MAC 2311 Calc w/Analy Geo I | 4 | *MAC 2312 Calc w/Analy Geo II | 4 |
| *ANT/PSY/SYG | 3 | *PHY 2048/L Phys Engr I w/lab | 4 |
| *ECO 2013 Macroeconomics or ECO 2023 Microeconomics | 3 | *GEO GLY/BSC | 3 |
| EGN 1006C Intro To Eng Prof | 1 | EGN 1007C Eng Con & Meth | 1 |

SECOND YEAR

| Fall | 16 hrs ¹ | Spring | 16 hrs ¹ |
|--------------------------------|--------------------------|-------------------------------|---------------------|
| *MAC 2313 Calc w/Analy Geo III | 4 | *MAP 2302 Diff Equations | 3 |
| *CHM 2045C/L Chem Funds I | 4 | *CHM 2046 Chemistry Funds II | 3 |
| *HUM/AMH/EUH - I | 3 | *PHY 2049/L Phys Eng II w/lab | 4 |
| EGN 3310 Engr Anal - Statics | 3 | *HUM/AMH/EUH - II | 3 |
| EGN 3613 Eng Econ Anal | 2 | EGN 3331 Mech of Materials | 3 |
| Summer | 9 hrs¹ | | |
| *SPC 1016 Tech Presentations | 3 | | |
| STA 3032 Prob/Stats Engineers | 3 | | |
| ENV 3001 Intro to Environ Eng | 3 | | |

THIRD YEAR

| Fall | 16 hrs ¹ | Spring | 15 hrs ¹ |
|---|---------------------|------------------------------|---------------------|
| EGN 3321 Engr Anal-Dynamics | 3 | Engineering Science Elective | 3 |
| CCE 4003 Intro Constr. Industry | 3 | CES 4702 Reinforced Concrete | 3 |
| CES 4100C Structural Analysis I | 4 | CCE 4004 Construct Methods | 3 |
| *Cultural/Historical Elective | 3 | *SUR 2101C Surveying | 3 |
| CGN 3501C Civil Engrg Materials or EGN 3365 Struc & Prop of MatrIs | 3 | CWR 3201 Eng Fluid Mechanics | 3 |

FOURTH YEAR

| Fall | 15 hrs | Spring | 13 hrs |
|-------------------------------|--------|---------------------------------|--------|
| TTE 4004 Transportation Eng | 4 | CCE 4810C Constr Design Project | 4 |
| CCE 4034 Construc Est & Sched | 3 | CCE 4402 Constr Equip & Prod | 3 |
| CEG 4011C Geotechnical Engr | 4 | CEG 4801C Geotech Engr Design | 3 |
| CCE 4813 Mech & Elec Bldgs | 4 | ACG 2071 Prin Mgrl Accounting | 3 |

Notes:

- Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in this catalog for further information.
- Engineering Science Elective may be satisfied by taking either EGN 3343, EGN 3373, CWR 4101C or CWR 4203C; other courses must be approved by the Program Director.
- Either CES 4605 Steel Structures or CES 4702 Reinforced Concrete Structures is required for all students.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 4. Approved Technical Electives.
- Students must earn a minimum grade of "C" (2.0) in EGN 3310 or its equivalent and EGN 3331 or its equivalent before registering for subsequent courses.

BS to PhD Program

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.

CRIMINAL JUSTICE (B.A./B.S.)

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies
HPA 311, 407-823-2603

<http://www.cohpa.ucf.edu/crim.jus/>

E-mail: cjadvice@mail.ucf.edu

Undergraduate Program Director: Mary Ann Eastep

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 (36 hrs)

| | |
|---|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| Select MGF 1106 Finite Math | |
| Select CGS 1060C, STA 1060C, or STA 2014C | |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 6 hrs |

2. Common Program Prerequisites none

| | |
|---|-----------------|
| 3. Core Requirements | (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 |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

4. Upper Division 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.

5. Upper Division Unrestricted Electives none

6. Departmental Exit Requirements (120 hrs)

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.

7. Foreign Language Requirements

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: 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. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Legal Studies

Related Minors: Legal Studies, Public Administration, Psychology.

Transfer Notes: "D" (1.0) grades are not accepted.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Tentative Course Schedule for Entering Freshmen

| | | | |
|---|---------------|-----------------------------|---------------|
| Freshman Year* | | | |
| Fall | 14 hrs | Spring | 15 hrs |
| ENC 1101 | 3 | ENC 1102 | 3 |
| MGF 1106 <i>or</i> MAC 1105 | 3 | CGS 1060C | 3 |
| PSY 2012 <i>or</i> SYG 2000 <i>or</i> ANT2000 | 3 | PSC 1121 <i>or</i> CHM 1020 | 3 |
| EUH 2000 <i>or</i> HUM 2210 | 3 | PHI 2010 <i>or</i> MUL 2010 | 3 |
| <i>or</i> AMH 2010, ARH 2050, | | Elective | 3 |
| THE 2000, <i>or</i> REL 2300, | | | |
| PHI 2010, LIT 2110, | | | |
| LIT 2120 | | | |
| PAF 2102 | 2 | | |

| | | | |
|---------------------------------------|---------------|---------------------|---------------|
| Sophomore Year | | | |
| Fall | 15 hrs | Spring | 15 hrs |
| SPC 1600 | 3 | CCJ 3024 | 3 |
| EUH 2001 <i>or</i> HUM 2230 <i>or</i> | 3 | CCJ 3014 | 3 |
| AMH 2020 | | CJ Elective | 3 |
| BSC 1005 <i>or</i> MCB1310 <i>or</i> | 3 | CJ Elective | 3 |
| GLY 1030 <i>or</i> PSC 1121 <i>or</i> | | Supporting Elective | 3 |
| ANT 2511 | | | |
| Elective | 3 | | |
| POS 2041 <i>or</i> ECO 2013 | 3 | | |

| | | | |
|--------------------------------------|---------------|-----------------------------------|------------------|
| Junior Year | | | |
| Fall | 15 hrs | Spring | 15/16 hrs |
| CJL 3510 | 3 | CJE 4014 | 3 |
| CJC 3010 | 3 | CCJ 4701 | 3 |
| CJ Elective | 3 | CJ Elective | 3 |
| Supporting Elective/Foreign Language | 3 | Supporting Elective/Foreign Lang. | 3 |
| CJ Elective | 3 | CJ Elective | 3 |

| | | | |
|---------------------|---------------|--------------------------|------------------|
| Senior Year | | | |
| Fall | 15 hrs | Spring | 12/15 hrs |
| CJ Elective | 3 | CCJ Internship <i>or</i> | 3/6 |
| CJ Elective | 3 | CJ Elective | |
| Supporting Elective | 3 | Supporting Elective | 3 |
| Elective | 3 | Elective (if necessary) | 3 |
| Elective | 3 | Elective (if necessary) | 3 |

CRIMINAL JUSTICE (B.S.)

A.S. to B.S. TRACK

Note: For detailed information, see description of this program in the **Statewide Articulated AS to BS Programs** section.

DIGITAL MEDIA (B.A.)

College of Arts and Humanities

Digital Media, 12461 Research Parkway, 500 OTC

<http://www.dm.ucf.edu>

Interim Chair of Department of Digital Media: David Vickers, 407-823-6100

The UCF Digital Media Program allows students to integrate the multiple disciplines of art, literature, and technology. It is designed to:

- Provide a solid foundation in techniques and theory in one focused area of competence.
- Provide a broad understanding of related disciplines including arts, humanities, and technology.
- Provide extended experience in working in multidisciplinary teams on realistic problems.

The program is administered through the College of Arts and Humanities. It recognizes that there are many combinations of courses which meet the needs of individual students. Two concentration areas – Visual Language and Digital Interactive Systems — lead to a Bachelor of Arts degree.

Note: Although the Department of Digital Media maintains a small computer lab for student use, Digital Media majors must have continual access to a computer. Contact the Department of Digital Media or see the website (<http://www.dm.ucf.edu>) for the minimum hardware and software specifications.

Admission Requirements none

Degree Requirements

- UCF students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course, except DIG 2000 as noted.
- Residency requirement consists of at least 24 hours of regularly scheduled upper division course work taken in the Department of Digital Media at UCF.
- Co-op or internship credits are not permitted in this major without prior, written permission.
- Students should see the Department of Digital Media's advisor prior to selecting this major, and at least annually thereafter.

1. UCF General Education Program (36 hrs)

- A. Communication Foundations 9 hrs
 - Select from approved list of courses
- B. Cultural and Historical Foundations 6 hrs
 - Select ARH 2050 3 hrs
 - Select one additional course from approved list 3 hrs

UCF Degree Programs

| | | | | |
|---|-------|-----------|---|-------|
| C. Mathematical Foundations | 6 hrs | DIG 3362C | Artificial Characters | 3 hrs |
| Select MAC 1105 College Algebra and | 3 hrs | DIG 3430C | Visual Storytelling & Visual Develop | 3 hrs |
| Select COP 2500C Concepts in Computer Science | 3 hrs | DIG 3523C | The Production Process | 3 hrs |
| D. Social Foundations | 6 hrs | DIG 4204C | Generating and Manipulating Digital Imagery | 3 hrs |
| Select from approved list of courses | | | | |
| E. Science Foundations | 6 hrs | | | |
| Select from approved list of courses | | | | |

2. Department of Digital Media Fundamentals (12 hrs)

Note: Admission to all courses after DIG 2000 is dependent on the student's achievement at least a "B" (3.0) in DIG 2000.

| | | |
|-----------|------------------------------------|-------|
| DIG 2000 | Introduction to Digital Media | 3 hrs |
| DIG 2XXX | Digital Video Fundamentals | 3 hrs |
| DIG 2XXX | Digital Imaging Fundamentals | 3 hrs |
| DIG 2XXX | Fundamentals of Interactive Design | 3 hrs |
| ARH 2050 | Art History I | GEP |
| COP 2500C | Concepts in Computer Science | GEP |
| MAC 1105 | College Algebra | GEP |

3. Department of Digital Media Core (12 hrs)

Note: Admission to all courses after DIG 2000 is dependent on the student's achievement at least a 'B' (3.0) in DIG 2000.

| | | |
|-----------|-------------------------------------|-------|
| DIG 3480C | Computers as a Medium | 3 hrs |
| DIG 2XXX | Visual Language of the Moving Image | 3 hrs |
| DIG 2XXX | Creative Digital Problem Solving | 3 hrs |
| DIG 3XXX | Digital Cultures & Narrative | 3 hrs |

4. Specializations. Choose one of the following two areas:

4.1 Digital Interactive Systems Track: (54 hrs)

4.1.A: Digital Interactive Systems - Basic Concentration: (15 hrs)

| | | |
|-----------|---------------------------------------|-------|
| DIG 3134C | Internet Software Design | 3 hrs |
| DIG 3153 | Writing for Digital Media | 3 hrs |
| DIG 3525 | Digital Media Production I | 3 hrs |
| DIG 3563 | Information Management and Authorship | 3 hrs |
| DIG 3XXXC | Internet Interaction | 3 hrs |

4.1.B: Digital Interactive Systems - Advanced Concentration: (33 hrs) Complete 33 hours of credits from the following:

| | | |
|-----------|---------------------------------------|-------|
| DIG 3138C | Digital Imagery | 3 hrs |
| DIG 3253 | Digital Media Audio | 3 hrs |
| DIG 3286C | Assembling Digital Media | 3 hrs |
| DIG 3450C | Interactive Performance I | 3 hrs |
| DIG 3811 | User-Centered Design | 3 hrs |
| DIG 4XXXC | Rapid Application Web Development | 3 hrs |
| DIG 4324C | Modeling for Real-time Systems II | 3 hrs |
| DIG 4455C | Interactive Performance II | 3 hrs |
| DIG 4524L | Digital Media Project I | 3 hrs |
| DIG 4526 | Digital Media Production II | 3 hrs |
| DIG 4713 | Game Design | 3 hrs |
| DIG 4715C | Game Production | 3 hrs |
| DIG 4780C | Modeling for Real-time Systems I | 3 hrs |
| DIG 4630C | Media for E-Commerce II | 3 hrs |
| DIG 4921C | Media for E-Commerce I | 3 hrs |
| DIG 5136C | Design For Media | 3 hrs |
| DIG 5551C | Interactive Media Design | 3 hrs |
| DIG 5565C | Digital Asset Management Systems | 3 hrs |
| DIG 5647C | Science & Technology of Dynamic Media | 3 hrs |
| FIL 5810 | Transmedia Story Creation | 3 hrs |

Or - any 3000 or 4000 level courses approved by the Department of Digital Media.

4.1.C: Digital Interactive Systems - Capstone Experience (6 hrs)

| | | |
|----------|---------------------------|-------|
| FIL 3790 | Interactive Entertainment | 3 hrs |
| | <i>And</i> | |
| DIG 3855 | Converging Media | 3 hrs |
| | <i>Or</i> | |
| DIG 4522 | Digital Media Service | 3 hrs |

Visual Language Track: (60 hrs)

This specialization concerns how to tell stories and communicate using the visual language of the moving image, animation, and cinematic visual effects.

4.2.A.1: Visual Language - Basic Concentration Pre-requisite: (6 hrs)

| | | |
|-----------|-------------------------|-------|
| ART 2300C | Drawing Fundamentals I | 3 hrs |
| ART 2301C | Drawing Fundamentals II | 3 hrs |

4.2.A.2: Visual Language - Basic Concentration: (15 hrs)

Note: Admission to the Basic and Advanced Concentrations is dependent on a portfolio review by faculty. (Refer to Digital Media website for portfolio review deadlines.)

| | | |
|-----------|-----------------------------------|-------|
| DIG 3951 | Visual Language Portfolio Review | 0 hrs |
| DIG 3355C | Artificial Environments & Effects | 3 hrs |

4.2.B: Visual Language - Advanced Concentration: (27 hrs)

Note: Admission to the Basic and Advanced Concentrations is dependent on a portfolio review by faculty. (Refer to Digital Media website for portfolio review deadlines.)

| | | |
|-----------|---|-------|
| DIG 4206C | New Imagery in Motion Workshop | 3 hrs |
| DIG 4323C | Modeling for Visual Language | 3 hrs |
| DIG 4325C | Look Modeling Workshop | 3 hrs |
| DIG 4326C | Geometric Modeling Workshop | 3 hrs |
| DIG 4359C | Artificial Environment & Effects Workshop | 3 hrs |
| DIG 4369C | Artificial Characters Workshop | 3 hrs |
| DIG 4451C | Visual Storytelling & Visual Dev Workshop | 3 hrs |
| DIG 4486C | Visual Language of the Moving Image II | 3 hrs |
| DIG 4XXXC | Digital Production in Artificial Environments | 3 hrs |

4.2.C: Visual Language - Capstone Experience (12 hrs)

Note: Admission to the Basic and Advanced Concentrations is dependent on a portfolio review by faculty. (Refer to Digital Media website for portfolio review deadlines.)

| | | |
|-----------|--|-------|
| DIG 4373C | 3D Textures | 3 hrs |
| DIG 4354C | Advanced 3D Animation | 3 hrs |
| DIG 4434C | Narrative Techniques in the Moving Image | 3 hrs |
| DIG 4394C | Motion Graphics: Advanced Compositing | 3 hrs |

5. Foreign Language Requirements (0-8 hrs)

BA requirements:

Admission: 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.

6. Unrestricted Electives (Varies with Track)

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 Department of Digital Media.

7. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

8. Total Semester Hours Required 120 hrs

Related Programs: Art, Computer Science, English, Film, Music
Related Minors: Art-Studio, Computer Information Technology, Computer Science, English-Technical Writing, Film, Music

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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$90 per term
- Part-time Student\$45 per term

**EARLY CHILDHOOD EDUCATION (B.S.)
PRE-KINDERGARTEN – PRIMARY (PK-3)**

College of Education

Department of Child, Family and Community Sciences
ED 209

<http://education.ucf.edu/ece/>

E-mail: ece@mail.ucf.edu

Program Coordinator: Dr. Judy Levin, ED1 22L, 407-823-4615;

E-mail: jlevin@mail.ucf.edu

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/or CLAST examination (no alternatives or waivers are accepted).
- Complete 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 seek advising through the Early Childhood Education staff in the Education Complex, suite 206 or by email (ece@mail.ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a “C-” or better in each required Early Childhood Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.
- Passing score on ALL three sections of the Florida Teacher Certification Examination (FTCE). See <http://www.fldoe.org> for available test dates and test sites.
 - FTCE General Knowledge Test (GKT) – (if CLAST was used for admission) passing scores on the GKT is strongly recommended during semester 1 of the junior year and/or at the time of application to Internship I.
 - FTCE Professional Education Test (PEd) and Subject Area Examination (SAE – Prekindergarten/Primary PK-3) – passing scores strongly recommended prior to application for Internship II.
- 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 (36 hrs)

- A. Communication Foundation (9 hrs)
1. ENC 1101 English Composition I 3 hrs
 2. ENC 1102 English Composition II 3 hrs
 3. Prefer SPC 1600 Fundamentals of Oral Communication 3 hrs
- B. Cultural-Historical Foundation (9 hrs)
1. General Education Program elective from section B1 3 hrs
 2. General Education Program elective from section B2: 3 hrs
Prefer REL 2300 World Religions, *or* PHI 2010 Introduction to Philosophy, *or* LIT 2110 World Literature I, *or* LIT 2120 World Literature II
 3. General Education Program elective: Prefer second course from GEP section B1. 3 hrs
- C. Mathematical Foundation (6 hrs)
1. Prefer: MGF 1106 Finite Mathematics 3 hrs
 2. Prefer: STA 1060C Basic Statistics using MS Excel *or* STA 2014C Principles of Statistics 3 hrs
- D. Social Foundation (6 hrs)
1. Prefer: POS 2041 American National Government 3 hrs
 2. Prefer: PSY 2012 General Psychology 3 hrs
- E. Science Foundation (6 hrs)
1. Prefer: PSC 1121 Physical Science 3 hrs
 2. Prefer: ANT 2511 The Human Species *or* BSC 1005 Biological Principles 3 hrs

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)

| | | |
|----------|------------------------------|-------|
| EDF 2005 | Introduction to Education | 3 hrs |
| EDG 2701 | Teaching Diverse Populations | 3 hrs |
| EME 2040 | Technology for Educators | 3 hrs |

Note: In addition to EDG 2701, 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.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Other Program Requirements (15 hrs)

| | | |
|-------------|--|-------|
| MAC 1105 | College Algebra <i>or</i> | 3 hrs |
| MAE 2801 | Elem Schl Math | |
| EDF 2130* | Child and Adolescent Development for Educators | 3 hrs |
| EDF 2720* | Children in Schools: Legal, Ethical And Safety Concerns | 3 hrs |
| EEC 4731 | Health, Safety, and Nutrition for Young Children or similar course | 3 hrs |
| Select one: | | |
| ARE 2011 | Early Childhood Art and Creativity <i>or</i> | 3 hrs |
| MUE 2211 | Early Childhood Music and Movement | |

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Early Childhood Education Program Recommended Sequence of Required Upper Division Courses

Notes:

- 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 2.75 is required in the professional, specialization and overall for admission to Internship II.
- Early Childhood Education majors take a variety of courses related to young children and their learning, development, and family environment. Students in this program are working toward certification in PreK-Primary (PK-3) with ESOL Endorsement. They take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate mastery of the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the Early Childhood Education major’s program and to integrate theory and practice in actual school settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty.

Semester I (15 hrs)

| | | |
|----------|--|-------|
| EEC 3700 | Social and Emotional Development of Young Children | 3 hrs |
| EEC 4661 | Early Childhood Education Theory and Practice | 3 hrs |
| RED 3310 | Early Reading, Writing and Language Arts | 3 hrs |
| EEX 4751 | Parent Involvement | 3 hrs |
| TSL 4080 | Theory and Practice of Teaching ESOL Students in Schools | 3 hrs |

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required prior to application to Internship I.

Semester II (15 hrs)

| | | |
|----------|---|-------|
| EEC 4604 | Classroom Management and Guidance of Young Children | 3 hrs |
| EEC 4207 | Assessment and Evaluation of Young Children | 3 hrs |
| TSL 4240 | Issues in Second Language Acquisition | 3 hrs |
| EEC 4268 | Curriculum Activities in Early Childhood | 3 hrs |
| EEX 3450 | Young Children with Special Needs | 3 hrs |

- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing Semester II.

Summer (6 hrs)

| | | |
|----------|---|-------|
| EEC 4303 | Planning Creative Activities in Early Childhood | 3 hrs |
| RED 3012 | Basic Foundations of Reading | 3 hrs |

- Passing score on the Subject Area Examination (Prekindergarten/Primary PK-3) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

UCF Degree Programs

Semester III (Internship I Block) (12 hrs)

| | | |
|----------|---|-------|
| MAE 4300 | Math Curriculum and Assessment in Early Childhood | 3 hrs |
| SCE 4304 | Science Curriculum and Assessment in Early Childhood | 3 hrs |
| RED 4311 | Primary Reading, Writing, and Language Arts Curriculum and Assessment | 3 hrs |
| EEC 3940 | Integration Internship I (two full days per week) | 3 hrs |

- Based on recommendations above, 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 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>.

Semester IV (12 hrs)

| | | |
|----------|----------------------------------|--------|
| EEC 4943 | Student Teaching – Internship II | 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-5.066.

5. Foreign Language Requirements (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.)

6. Departmental Exit Requirements

- Achieve a minimum overall 2.75 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination. See <http://www.fldoe.org> for test dates and test sites.

7. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

8. Total Semester Hours Required 120 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaas.ucf.edu/alc/academic_learning_compacts.htm

9. Recommended Four-Year Sequence of Courses

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) | Spring | (15 hrs) |
|------------------------------------|----------|------------------------------------|----------|
| EDF 2005 Introduction to Education | 3 | EDG 2701 Teaching Diverse Pop | 3 |
| ENC 1101 English Composition I | 3 | ENC 1102 English Composition II | 3 |
| MGF 1106 Finite Mathematics | 3 | MAC 1105 College Algebra | 3 |
| PSY 2012 General Psychology | 3 | PSC 1121 Physical Science | 3 |
| | | REL 2300 World Religions <i>or</i> | 3 |
| | | PHI 2010 Intro to Phsphy <i>or</i> | |
| | | LIT 2110 World Lit I <i>or</i> | |
| | | LIT 2120 World Lit II | |

Summer

| | |
|--|---|
| POS 2041 Amer National Gov | 3 |
| ARE 2011 EC Art & Creativity <i>or</i> | 3 |
| MUE 2211 EC Music & Move | |

Sophomore Year

| Fall | (15 hrs) | Spring | (12 hrs) |
|--|----------|-----------------------------------|----------|
| SPC 1600 Fund of Oral Comm | 3 | EDF 2130 Child and Adol Dev Ed* | 3 |
| EME 2040 Tech for Ed | 3 | EDF 2720 Child in Sch: Legal, | 3 |
| BSC 1005 Biological Principles <i>or</i> | 3 | Ethical and Safety Concerns* | |
| ANT 2511 The Human Species | | EEC 4731 Hlth, Safe, & Nutrit for | 3 |
| STA 2014C Princ of Stats <i>or</i> | 3 | Young Children or similar course | |
| STA 1060C Basic Stats using MS Excel | 3 | GEP B3 elective (Prefer AMH 2020) | 3 |
| GEP B1 elective (Prefer AMH 2010) | 3 | | |

*Transfer Note: Courses taken at community colleges may substitute for select courses with the permission of the department.

Summer

Note: A passing score on all sections of the CLAST and/or GKT is required for admission to the program and thus must be completed prior to the Junior Year. Refer to <http://www.fldoe.org> for test dates and sites.

Junior Year

| Fall | (15 hrs) | Spring | (15 hrs) |
|--------------------------------------|----------|-------------------------------------|----------|
| EEC 3700 Soc & Emo Dev of Young | 3 | EEC 4604 Class Mgt Guid Yng Child3 | |
| EEC 4661 EC Ed Theory and Pract | 3 | EEC 4207 Assess & Eval Yng Child | 3 |
| RED 3310 Erly Read, Writ & Lang Arts | 3 | TSL 4240 Issues in 2nd Lang Acq | 3 |
| EEX 4751 Parent Involvement | 3 | EEC 4268 Curri Activ in Early Child | 3 |
| TSL 4080 Theory & Prac of Teaching | 3 | EEX 3450 Yng Child Spec Needs | 3 |
| ESOL Students in Schools | | FTCE Register in the Spring* | |

*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.

Summer

| | |
|--------------------------------------|---|
| EEC 4303 Plan Creat Activities in EC | 3 |
| RED 3012 Basic Found of Read | 3 |

*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 II).

Senior Year

| Fall | (12 hrs) | Spring | (12 hrs) |
|--|----------|----------------------------------|----------|
| MAE 4300 Math Curr & Assess in EC | 3 | EEC 4943 Student Teach-Intern II | 12 |
| SCE 4304 Sci Curr & Assess in EC | 3 | | |
| RED 4311 Prim Read, Writ, & Lang Arts Curr and Asses | 3 | | |
| EEC 3940 Integration Internship I (two full days per week) | 3 | | |

ECONOMICS (B.A.)

College of Business Administration

Department of Economics, BA2 305, 407-823-3266

<http://www.bus.ucf.edu/economics>

Advisors: R. Pennington, BA2 303B, 407-823-2640,
E-mail: robertp@mail.ucf.edu; U. Chakravorty, BA2 302S,
407-823-4728; N. Underwood, BA2 302N, 407-823-1403

The Bachelor of Arts in Economics is designed for students who wish to receive specialized training in Economics within a broad liberal arts education.

- Several flexible tracks allow students to customize their education to their personal interests and career goals.
- These tracks can be coupled with a minor from many different Colleges to create a unique program for each student.

An Economics degree provides skills and training for careers in business, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Arts degree with a major in Economics.

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 (36 hrs)

| | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| Required: SPC 1600 | |
| B. Cultural and Historical Foundations | 9 hrs |

- C. Mathematical Foundations
 Select MAC 1140 Pre-Calculus Algebra (or Calculus) 3 hrs
 Select STA 2023 Principles of Statistics 3 hrs
- D. Social Foundations
 Select ECO 2013 Macroeconomics *or* 3 hrs
 ECO 2023 Microeconomics
 Select one: PSY 2012, SYG 2000 *or* ANT 2000 3 hrs
- E. Science Foundations 6 hrs

2. Common Program Prerequisites (3 hrs)
 ECO 2013 Principles of Macroeconomics GEP
 ECO 2023 Principles of Microeconomics 3 hrs

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core requirements (16 hrs)
 ECO 3101 Intermediate Microeconomics 3 hrs
 ECO 3203 Intermediate Macroeconomics 3 hrs
 *ECO 3401 Quantitative Business Tools I 3 hrs
 **ECO 3411 Quantitative Business Tools II 4 hrs
 ECO 4451 Research Methods in Economics 3 hrs

*At UCF, students who have completed MAC 2233 (or any Calculus 1 & 2 sequence) and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.

**STA 4163 or STA 4321 may substitute for ECO 3411.

4. Upper Division Restricted Electives (18 hrs)
 All B.A. Economics majors will be required to take six (6) electives by choosing one of the following tracks:

4.1 PRE-LAW TRACK (9 hrs)
Restricted electives

- ECO 4751 Law and Economics
 ECO 4303 History of Economic Thought
 ECP 4403 Industrial Organization and Game Theory

Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track's restricted elective courses.

4.2 POLITICAL ECONOMY TRACK (9 hrs)
Restricted electives

- ECO 4504 Public Economics
 ECO 4303 History of Economic Thought
 ECS 4013 Economics of Developing Areas

Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track's restricted elective courses. For double majors in Political Science, two of these electives can be selected from Political Science with advisor's approval.

4.3 PRIVATE ENTERPRISE TRACK (9 hrs)
Restricted electives

- ECO 3223 Money and Banking
 ECP 3203 Labor Economics
 ECP 4403 Industrial Organization and Game Theory

Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track's restricted elective courses.

4.4 INTERNATIONAL TRACK (9 hrs)
Restricted electives

- ECO 3703 International Trade
 ECO 4704 International Macroeconomics
 ECS 4013 Economics of Developing Areas

Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track's restricted elective courses.

4.5 ECONOMICS OF GOVERNMENTAL REGULATION (9 hrs)
Restricted electives

- ECP 4302 Environmental & Natural Resource Economics
 ECO 4504 Public Economics
 ECP 3203 Labor Economics

Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track's restricted elective courses.

4.6 GENERAL TRACK (18 hrs)

Select any six 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major courses. Two of these electives can be selected from a related discipline with advisor's approval.

It is possible to have a double track; however, only the first designated track will show on the transcript.

For those students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:

- | | |
|----------|---|
| ECO 3703 | International Trade |
| ECO 4412 | Econometrics |
| ECO 3410 | Mathematical Economics |
| ECO 4504 | Public Economics |
| ECP 4403 | Industrial Organization and Game Theory |

Students are also encouraged to select MAC 2311, 2312 and 2313 along with STA 4321 and 4322 as substitutes for ECO 3401 and ECO 3411. Minors in Mathematics or Statistics are also recommended to help prepare students for graduate school. Consult with the Department's major advisors on the appropriate minors to be paired with different tracks.

5. Required Minor (18 hrs min)

Completion of a minor in one of the following suggested areas: Mathematics, Statistics, Legal Studies, Environmental Studies, Finance, Real Estate, Business, Digital Media, Computer Science, History, English, or any of the Social and Behavioral Sciences. Other minors may be selected with prior approval of the Economics Undergraduate Advisor.

6. 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.

7. Foreign Language Requirements (0-8 hrs)

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: 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 (variable)

Select primarily from upper level courses, with departmental advisor's approval.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Economics B.S.B.A., Accelerated B.A./M.S.

Related Minors: Statistics, Mathematics, Legal Studies, Political Science, Psychology, Sociology, Computer Science

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.

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 Fee

- Full-time Student\$22 per term
- Part-time Student\$11 per term

UCF Degree Programs

Four Year Plan of Study – B.A. Economics

| | | | |
|-------------------------|---------------|--------------------------|---------------|
| Freshman | | | |
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| ENC 1101* | 3 | ECO 2023* Microeconomics | 3 |
| Cult-Hist I* | 3 | Cult-Hist II* | 3 |
| SPC 1600 | 3 | Art/Music/Lit | 3 |
| MAC 1140* (or Calculus) | 3 | ENC 1102* | 3 |
| ***Elective | 3 | STA 2023* | 3 |

Must complete 9 hours in a summer semester

Sophomore

| | | | |
|---------------------------------|---------------|-------------------------------|---------------|
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| ECO 2013* Macroeconomics | 3 | ECO 3101 Inter Microeconomics | 3 |
| Science | 3 | Science | 3 |
| Psy/Soc/Ant | 3 | ***Elective | 3 |
| ECO 3401 (if no prior Calculus) | 3 | ***Elective | 3 |
| Foreign Language | 3 | Foreign Language | 3 |

*"C" (2.0) or better grade required in each class

Junior

| | | | |
|--------------------------------|---------------|-----------------|---------------|
| 1st Term | 16 hrs | 2nd Term | 15 hrs |
| ECO 3203 Inter Macroeconomics | 3 | ECO Elective | 3 |
| ECO 3411 (or STA 4163 or 4321) | 4 | ECO Elective | 3 |
| ECO Elective | 3 | Minor** | 3 |
| Minor** | 3 | Minor** | 3 |
| *** Elective | 3 | *** Elective | 3 |

Senior

| | | | |
|-----------------|---------------|---------------------------|---------------|
| 1st Term | 15 hrs | 2nd Term | 14 hrs |
| ECO Elective | 3 | ECO 4451 Research Methods | 3 |
| ECO Elective | 3 | Minor** | 3 |
| ECO Elective | 3 | ***Elective | 3 |
| Minor** | 3 | ***Elective | 3 |
| Minor** | 3 | ***Elective | 2 |

**18 hours (minimum) of minor required.

***General electives as required to reach 120 semester hours.

ECONOMICS, BUSINESS (B.S.B.A.)

College of Business Administration

Department of Economics, BA2 305, 407-823-3266

<http://www.bus.ucf.edu/economics>

Undergraduate Advising: BA2 101, 407-823-2184;

Advisors: R. Pennington, BA2 303B, 407-823-2640, Email: robertp@mail.ucf.edu; U. Chakravorty, BA2 302S, 407-823-4728; N. Underwood, BA2 302N, 407-823-1403

The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Several flexible tracks allow students to customize their education to their personal interests and career goals. This degree provides skills and training for careers in business and industry, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Science in Business Administration degree with a major in Economics.

Admission Requirements for Business Economics

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

Degree Requirements

1. UCF General Education Program (36 hrs)

- | | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| Required: SPC 1600 | |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 3 hrs |
| Select MAC 1140 Pre-Calculus Algebra (or Calculus) | |
| Select CGS 2100C Computer Fundamentals for Business | 3 hrs |
| D. Social Foundations | 3 hrs |
| Select ECO 2013 Principles of Macroeconomics <i>or</i> | |
| ECO 2023 Principles of Microeconomics | |
| Select one: PSY 2012, SYG 2000, ANT 2000 | 3 hrs |
| E. Science Foundation | 6 hrs |

2. Common Program Prerequisites (18-21 hrs)

Must be completed with a "C" (2.0) or better.

| | | |
|-----------|-------------------------------------|-------|
| ACG 2021 | Principles of Financial Accounting | 3 hrs |
| ACG 2071 | Principles of Managerial Accounting | 3 hrs |
| ECO 2013 | Principles of Macroeconomics | 3 hrs |
| ECO 2023 | Principles of Microeconomics | 3 hrs |
| *ECO 3401 | Quantitative Business Tools I* | 3 hrs |
| CGS 2100C | Computer Fundamentals for Business | 3 hrs |

*At UCF, students who have completed MAC 2233 (or any Calculus 1 & 2 sequence) and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Classes (36 hrs)

First or subsequent semester in the College of Business

Administration:

| | | |
|------------|---|-------|
| GEB 3031 | Cornerstone (Required in 1st or 2nd semester) | 4 hrs |
| GEB 3375 | Introduction to International Business | 4 hrs |
| BUL 3130 | Legal & Ethical Environ. of Business | 4 hrs |
| ECO 3411** | Quantitative Business Tools II | 4 hrs |
| FIN 3403 | Business Finance | 4 hrs |
| MAN 3025 | Management of Organizations | 4 hrs |
| ISM 3011C | Essentials of Management Information Systems | 4 hrs |
| MAR 3023 | Marketing | 4 hrs |

Last Semester:

| | | |
|----------|----------------------|-------|
| MAN 4720 | Strategic Management | 4 hrs |
|----------|----------------------|-------|

**STA 4163 or STA 4321 may substitute for ECO 3411

4. Special College and/or Departmental Requirements

- Must complete all Gordon Rule requirements, prior to admission to this degree.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Final exams will be given during Exam Week.
- Students must have at least a 2.0 GPA in the COB and major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students majoring in Business Economics must earn a grade of "C" (2.0) or better in each ECO, ECP, ECS course and in each course applied towards the major as well as a 2.0 overall average in the major.

5. Required Major Courses (9 hrs)

| | | |
|----------|-------------------------------|-------|
| ECO 3101 | Intermediate Microeconomics | 3 hrs |
| ECO 3203 | Intermediate Macroeconomics | 3 hrs |
| ECO 4451 | Research Methods in Economics | 3 hrs |

6. Upper Division Restricted Electives (15 hrs)

All B.S.B.A. economics majors will be required to take five (5) electives by choosing one of the following tracks:

6.1 BUSINESS ECONOMICS TRACK

Restricted electives (9 hrs)

| | |
|----------|---|
| ECP 3203 | Labor Economics |
| ECP 4403 | Industrial Organization and Game Theory |
| ECO 3223 | Money and Banking |

Select any other two 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track's restricted elective courses.

6.2 INTERNATIONAL TRACK

Restricted electives (9 hrs)

| | |
|----------|-------------------------------|
| ECO 3703 | International Trade |
| ECO 4704 | International Macroeconomics |
| ECS 4013 | Economics of Developing Areas |

Select any other two 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track's restricted elective courses.

6.3 PRE-LAW TRACK

Restricted electives (9 hrs)

| | |
|----------|---|
| ECO 4751 | Law and Economics |
| ECP 3203 | Labor Economics |
| ECP 4403 | Industrial Organization and Game Theory |

Select any other two 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track's restricted elective courses.

6.4 FINANCIAL ECONOMICS TRACK

Restricted electives (9 hrs)

- ECO 4412 Econometrics
- ECO 3203 Money and Banking
- ECO 4704 International Macroeconomics

Select any other two 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track's restricted elective courses. For double majors in Finance, two of these electives can be selected from Finance with advisor's approval.

6.5 ECONOMICS OF GOVERNMENTAL REGULATION

Restricted electives (9 hrs)

- ECP 4302 Environmental & Natural Resource Economics
- ECO 4504 Public Economics
- ECP 3203 Labor Economics

Select any other two 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track's restricted elective courses.

6.6 GENERAL TRACK

Select any five 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major courses. One of these electives can be selected from a related discipline with advisor's approval.

It is possible to have a double track; however, only the first designated track will appear on the transcript.

For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:

- ECO 3703 International Trade
- ECO 4412 Econometrics
- ECO 3410 Mathematical Economics
- ECO 4504 Public Economics
- ECP 4403 Industrial Organization and Game Theory

Students are also encouraged to select MAC 2311, 2312 and 2313 along with STA 4321 and 4322 as substitutes for ECO 3401 and ECO 3411.

7. Foreign Language Requirements (0-8 hrs)

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.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

9. Electives* (variable)**

Total Semester Hours Required 120 hrs

Related Programs: Economics B.A., Accelerated B.A./M.S.

Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0)

or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.

- ACG X001 and X011 will substitute for ACG 2021 at UCF
- 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.

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

Four Year Plan of Study - Business Economics

| | | | |
|--|---------------|--------------------------|---------------|
| Freshman | | | |
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| ENC 1101* | 3 | ECO 2023* Microeconomics | 3 |
| Cult-Hist I* | 3 | Cult-Hist II* | 3 |
| SPC 1600 | 3 | Art/Music/Lit | 3 |
| MAC 1140* (or Calculus) | 3 | ENC 1102* | 3 |
| ***Elective | 3 | CSC 2100C* | 3 |
| Must complete 9 hours in a summer semester | | | |

| | | | |
|--|---------------|-------------------------------|---------------|
| Sophomore | | | |
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| ECO 2013* Macroeconomics | 3 | ECO 3101 Inter Microeconomics | 3 |
| ACG 2021* | 3 | ACG 2071* | 3 |
| Science | 3 | Science | 3 |
| Psy/Soc/Ant | 3 | ***Elective | 3 |
| ECO 3401* (if no Calculus & Statistics) | 3 | ***Elective | 3 |
| *C" (2.0) or better grade required in each class | | | |

| | | | |
|-------------------------------|---------------|-----------------|---------------|
| Junior | | | |
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| ECO 3203 Inter Macroeconomics | 3 | ECO Elective | 3 |
| ECO 3411 | 4 | GEB 3375 | 4 |
| MAR 3023 | 4 | MAN 3025 | 4 |
| GEB 3031 | 4 | FIN 3403 | 4 |

| | | | |
|---|---------------|---------------------------|---------------|
| Senior | | | |
| 1st Term | 16 hrs | 2nd Term | 14 hrs |
| ECO Elective | 3 | ECO 4451 Research Methods | 3 |
| ISM 3011C | 4 | MAN 4720 | 4 |
| ECO Elective | 3 | BUL 3130 | 4 |
| ECO Elective | 3 | ECO Elective | 3 |
| ECO Elective | 3 | | |
| ***General electives as required to reach 120 semester hours. | | | |

ECONOMICS (B.A./M.A.A.E.)

Accelerated Undergraduate-Graduate Program

Note: For detailed information about this program, see the description in the "Accelerated Undergraduate-Graduate Programs" section.

ECONOMICS

See also Mathematics - Mathematical Economics Track

ELECTRICAL ENGINEERING (B.S.E.E.)

**College of Engineering and Computer Science
School of Electrical Engineering & Computer Science,
Harris Corp Engineering Ctr., Rm 246,
407-823-2787; Fax: 407-823-5419**

<http://www.eecs.ucf.edu>

Contact: Dr. Samuel Richie, E-mail: richie@mail.ucf.edu;
Charlese Hilton-Brown, E-mail: chilton@mail.ucf.edu

Admission Requirements: none

Degree Requirements

- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major.

UCF Degree Programs

- 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 for Engineering Students (36+2 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 |
| 1. ENC 1101 & ENC 1102 | |
| 2. Prefer SPC 1016 | |
| B. Cultural and Historical Foundations | 9 hrs |
| 1. Select two courses from Historical Foundations | |
| 2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1000, REL 2300, PHI 2010, LIT 2110, <i>or</i> LIT 2120 | |
| C. Mathematical Foundations | 7 hrs |
| 1. Select MAC 2311, (PR: MAC 1114 and MAC 1140) | |
| 2. Select STA 3032 (PR: MAC 2312) | |
| D. Social Foundations | 6 hrs |
| 1. Prefer ECO 2013 <i>or</i> ECO 2023 | |
| 2. ANT 2000, PSY 2012, <i>or</i> SYG 2000 | |
| E. Science Foundations | 7 hrs |
| 1. Select PHY 2048/48L (PR: MAC 2311) | |
| 2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, <i>or</i> MCB 1310 | |

2. Common Program Prerequisites (CPP's) (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 ECE major courses, a 2.0 (C or better) in each course is required for those courses in section 2. marked with an asterisk (*).** Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

| | | |
|---------------|---|-------|
| CHS 1440 | Fundamentals of Chemistry for Eng (CHM 2045C/45L will substitute) | 4 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 2048/48L* | Physics for Engineers & Scientists I | GEP |
| PHY 2049/49L* | Physics for Engineers & Scientists II | 4 hrs |
| ENC 1101 | Composition I | GEP |
| ENC 1102 | Composition II | GEP |
| | Humanities Courses | GEP |
| | Social Science Courses | GEP |
| | Humanities <i>or</i> Social Sciences | GEP |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Courses Required for the Engineering Core (14 hrs)

The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do **not** satisfy major requirements.

| | | |
|-----------|---|-------|
| EGN 1006C | Intro to the Engineering Profession | 1 hr |
| EGN 1007C | Engineering Concepts & Methods | 1 hr |
| EGN 3310 | Engineering Analysis - Statics | 3 hrs |
| EGN 3321 | Engineering Analysis - Dynamics <i>or</i> | |
| EGN 3358 | Thermo-Fluids-Heat Transfer | 3 hrs |
| EGN 3420 | Engineering Analysis | 3 hrs |
| STA 3032 | Probability & Statistics for Engineers | GEP |
| PHY 3101 | Physics for Engineers & Scientists III | 3 hrs |

4. 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 Communications | 4 hrs |
| EEL 3657 | Linear Control Systems | 3 hrs |
| EEL 3801 | Computer Organization | 3 hrs |

| | | |
|-----------|---------------------------------|-------|
| EEE 4309C | Electronics II | 4 hrs |
| EEL 4750 | Digital Signal Processing Fund. | 3 hrs |
| EEL 4767C | Embedded Systems | 4 hrs |

5. Approved Technical 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 and wireless communications. 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. Departmental Graduation Requirements (6 hrs)

| | | |
|-----------|------------------|-------|
| EEL 4914 | Senior Design I | 3 hrs |
| EEL 4915L | Senior Design II | 3 hrs |

- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit.

Total Semester Hours Required: 128 hrs

Related Programs: Computer Engineering, Computer Science, Electrical Engineering Technology (Electrical Systems Concentration).

Related Minors: Engineering Leadership, Intelligent Robotic Systems

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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student \$58 per term
- Part-time Student \$29 per term

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.

Electrical Engineering - 128 semester hours required

| | | | |
|--------------------------------------|-----------------------|----------------------------------|-----------------------|
| FIRST YEAR | | | |
| Fall | 12 hrs ^{1,3} | Spring | 15 hrs ^{1,3} |
| EGN 1006C Intro to Engr | 1 | EGN 1007C Eng Conc & Meth | 1 |
| *ENC 1101 English Comp I | 3 | *ENC 1102 English Comp II | 3 |
| *CHS 1440 Chem for Engrs | 4 | *SPC 1016 Tech Presentations | 3 |
| *MAC 2311 Calc with Analytic Geo I | 4 | *MAC 2312 Calc with Analy Geo II | 4 |
| | | *PHY 2048/L Phys Eng I w/lab | 4 |
| Summer | 11 hrs ¹ | | |
| Historical Foundations 1a | 3 | | |
| *MAC 2313 Calc with Analytic Geo III | 4 | | |
| *PHY 2049 Phys for Engr/Sci II | 3 | | |
| *PHY 2049L Phys Lab En/Sci II | 1 | | |

SECOND YEAR

| | | | |
|------------------------------------|---------------------------|--------------------------------|---------------------------|
| Fall | 15 hrs¹ | Spring | 15 hrs¹ |
| *MAP 2302 Diff Equations | 3 | *Cultural & Hist Foundations | 3 |
| *PHY 3101 Phys for Engr/Sci III | 3 | EGN 3310 Engr Anal-Statics | 3 |
| *Science Foundations 2 | 3 | EEE 3342C Dig Systems | 3 |
| *Social Foundations 1 | 3 | EEL 3801 Computer Organization | 3 |
| EGN 3420 Engineering Anal2 | 3 | EEL 3004 Electrical Networks | 3 |
| Summer | 6 hrs¹ | | |
| Historical Foundations 1b | 3 | | |
| *ECO 2013 Macroeconomics <i>or</i> | 3 | | |
| ECO 2023 Microeconomics | | | |

THIRD YEAR

| | | | |
|--------------------------------|---------------|--|---------------|
| Fall | 14 hrs | Spring | 14 hrs |
| EEE 3350 Semicond Devices I | 3 | EEE 3307C Electronics I | 4 |
| STA 3032 Prob & Stats Engrs | 3 | EEL 3657 Linear Control Sys | 3 |
| EEL 4767C Embedded Systems | 4 | EEL 3552C Anal & Dig Comm | 4 |
| EEL 3123C Networks and Systems | 4 | EGN 3321 Engr Anal-Dynamics | 3 |
| | | <i>or</i> EGN 3358 Ther-Flds-Ht Transfer | |

FOURTH YEAR

| | | | |
|-------------------------------|---------------|-----------------------------|---------------|
| Fall | 13 hrs | Spring | 13 hrs |
| EEL 4750 Signal Proc Fund | 3 | Approved Technical Elective | 3 |
| EEL 3470 Electromagnetic Flds | 3 | Approved Technical Elective | 3 |
| EEE 4309C Electronics II | 4 | Approved Technical Elective | 4 |
| EEL 4914 Senior Design I | 3 | EEL 4915L Senior Design II | 3 |

Notes:

1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in this catalog for further information.
2. Assumes knowledge of a higher level programming language (C preferred).
3. EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 5. Approved Technical Electives.

Accelerated BS/MS Degree Program

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.

ELECTRICAL ENGINEERING TECHNOLOGY - COMPUTER SYSTEMS CONCENTRATION (B.S.E.E.T.)

College of Engineering and Computer Science
Engineering Technology (ENT) Department

ENGR 207, 407-823-4749; Fax: 407-823-4746

<http://www.ent.ucf.edu>

Coordinator: Dr. Alireza Rahrooh,
E-mail: rahrooh@pegasus.cc.ucf.edu

Admission Requirements **none**

Degree Requirements

- Students should check with their ENT advisor frequently to insure that they are making proper progress toward the degree.
- A grade of "C" (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (36+2 hrs)

| | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| 1. ENC 1101 & ENC 1102 | |
| 2. Prefer SPC 1016 | |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| 1. Select MAC 1105 | |
| 2. Select STA 2023 | |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 8 hrs |
| 1. Select PHY 2053C | |
| 2. Select BSC 1005/1005L, BSC 1050/1050L, <i>or</i> BSC2010C | |

2. Common Program Prerequisites (CPP) (6/8 hrs)

| | | |
|---|-----------------------------------|---------|
| (C (2.0) or better grades are required in all courses) | | |
| MAC 2253 | Applied Calculus I | 3/4 hrs |
| <i>or</i> MAC 2311 | Calculus w/Analytical Geometry I | |
| MAC 2254 | Calculus II or equiv | 3/4 hrs |
| <i>or</i> MAC 2312 | Calculus w/Analytical Geometry II | |
| PHY 2053C | Physics I/Lab | GEP |
| <i>or</i> PHY 2048/L | Physics for Scientist & Engrs I | |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Engineering Technology Core Requirements (25 hrs)

(C (2.0) or better grades are required in all courses)

| | | |
|--|--|-------|
| BSC 1005/L, BSC 1050/L, <i>or</i> GEO 1200/LBSC2010C | GEP | |
| ENC 3241 | Writing for the Technical Professional | 3 hrs |
| MAC 1105 | College Algebra | GEP |
| MAC 1114 | College Trigonometry | 3 hrs |
| MAC 2253 | Applied Calculus I | CPP |
| <i>or</i> MAC 2311 | Calculus w/Analytical Geometry I | |
| MAP 3401 | Problem Analysis | CPP |
| <i>or</i> MAC 2312 | Calculus w/Analytical Geometry II | |
| PHY 2053C | College Physics I | GEP |
| PHY 2054C | College Physics II | 4 hrs |
| ETG 3541 | Applied Mechanics | 3 hrs |
| ETI 3651C | Computer Applications | 3 hrs |
| ETI 3671 | Technical Economic Analysis | 3 hrs |
| ETI 3116 | Applied Engrng Quality Assurance | 3 hrs |
| ETI 4448 | Applied Project Management | 3 hrs |
| STA 2023 | Statistical Methods I | GEP |

4. Technical Specialization (56 hrs)

Lower Level Required and Elective Courses (20 hrs)

(C (2.0) or better grades are required in all courses)

| | | |
|-----------|--------------------------------|-------|
| EST 3543C | Programmable Logic Controllers | 3 hrs |
| CET 3323C | Digital Technology | 4 hrs |
| CET 2364 | System Applications in C | 3 hrs |
| EET 3085C | Electricity and Electronics | 4 hrs |
| EET 2025C | Electrical Circuits | 4 hrs |
| | Lower level technical elective | 2 hrs |

Upper Level Required Courses (30 hrs)

(C (2.0) or better grades are required in all courses)

| | | |
|-----------|--------------------------------|-------|
| CET 3198C | Digital Systems | 3 hrs |
| CET 3503 | Microcomputer Technology I | 3 hrs |
| CET 3383 | Applied Systems Analysis I | 3 hrs |
| CET 4333 | Computer Organization & Design | 3 hrs |
| CET 4427 | Applied Database I | 3 hrs |
| CET 4505 | Applied Operating Systems I | 3 hrs |
| EET 3716 | Network Analysis | 3 hrs |
| CET 4138C | Digital Programmable Devices | 3 hrs |
| CET 4134C | Microprocessor Elec II | 3 hrs |
| CET 4429 | Applied Database II | 3 hrs |

Upper Level Technical Electives (6 hrs)

(C (2.0) or better grades are required in all courses)

See faculty advisor for list of approved Technical Electives.

5. Departmental Exit Requirement (3 hrs)

(C (2.0) or better grade is required)

| | | |
|-----------|-----------------------|-------|
| ETG 4950C | Senior Design Project | 3 hrs |
|-----------|-----------------------|-------|

- A grade of 2.0 or better is required in all prerequisites.

6. Foreign Language Requirements (0-8 hrs)

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**

7. Approved Technical Electives (0-4 hrs)

Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

8. University Graduation Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 128 hrs

UCF Degree Programs

Related Programs: Electrical Engineering Technology (Electrical Systems Concentration)

Related Minors: Interdisciplinary Informatics Technology

Transfer Notes:

Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.

- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in this catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department
- PHY 2048/L can substitute for PHY 2053C.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/aic/academic_learning_compacts.htm

Tentative Course Schedule for the Computer Systems Concentration

The tentative course schedule listed below is a guide for those students who plan on completing their engineering technology degree requirements in four years. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year

| | | | |
|--------------------------|---------------|--------------------------------|---------------|
| Fall | 13 hrs | Spring | 15 hrs |
| ENC 1101 Composition I | 3 | ENC 1102 Composition II | 3 |
| MAC 1105 College Algebra | 3 | STA 2023 Statistical Methods | 3 |
| Biological science | 4 | MAC 1114 Trigonometry | 3 |
| Social Foundation | 3 | Social Foundation | 3 |
| | | Cultural/Historical Foundation | 3 |

Sophomore Year

| | | | |
|-----------------------------------|---------------|--------------------------------|------------------|
| Fall | 16 hrs | Spring | 13/14 hrs |
| SPC 1600 Oral Communications | 3 | MAC 2253 Applied Calc I | 3/4 |
| PHY 2053C College Physics I | 4 | or MAC 2311 Calc w Anly Geo | |
| Cultural/Historical Foundation | 3 | ETI 3671 Tech Econ Anal | 3 |
| ETI 3651C Computer Appl | 3 | Cultural/Historical Foundation | 3 |
| CET 2364 Sys Appl in C | 3 | PHY 2054C College Physics II | 4 |
| Summer | 7 hrs | | |
| ENC 3241 Writing Tech Pros | 3 | | |
| EET 3085C Electricity and Electro | 4 | | |

Junior Year

| | | | |
|-----------------------------------|------------------|------------------------------|---------------|
| Fall | 13/14 hrs | Spring | 15 hrs |
| MAP 3401 Problem Analysis | 3/4 | CET 3323C Digital Technology | 4 |
| or MAC 2312 Calculus II | | CET 3383 Appl Sys Anal I | 3 |
| or MAC 2254 Applied Calc II | | CET 3198C Digital Systems | 3 |
| EET 2025C Electrical Circuits | 4 | EET 3716 Network Analysis | 3 |
| ETG 3541 Applied Mechanics | 3 | Lower level elective | 2 |
| EST 3543C Programmable Logic Cont | 3 | | |
| Summer | 9 hrs | | |
| CET 4134C Micro Electronics II | 3 | | |
| CET 4333 Computer Org | 3 | | |
| Upper level elective | 3 | | |

Senior Year

| | | | |
|---------------------------------|---------------|-------------------------------|---------------|
| Fall | 15 hrs | Spring | 12 hrs |
| CET 4427 Applied Database I | 3 | ETG 4950C Senior Design Proj | 3 |
| CET 3503 Microcomputer Tech I | 3 | CET 4429 Applied Database II | 3 |
| CET 4505 Appl Oper Sys I | 3 | ETI 4448 Appl Proj Management | 3 |
| ETI 3116 App Eng Quality Assur | 3 | Upper level elective | 3 |
| CET 4138C Digital Prgml Devices | 3 | | |

ELECTRICAL ENGINEERING TECHNOLOGY - ELECTRICAL SYSTEMS CONCENTRATION (B.S.E.E.T.)

College of Engineering and Computer Science
 Engineering Technology (ENT) Department
 ENGR 207, 407-823-4749; Fax: 407-823-4746
<http://www.ent.ucf.edu>

Coordinator: Dr. Alireza Rahrooh,
 E-mail: rahrooh@pegasus.cc.ucf.edu

Admission Requirements **none**

Degree Requirements

- Students should check with their ENT advisor frequently to ensure that they are making proper progress toward the degree.
- A grade of "C" (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (36+2 hrs)

| | |
|---|-------|
| A. Communication Foundations | 9 hrs |
| 1. ENC 1101 & 1102 | |
| 2. Prefer SPC 1016 | |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| 1. Select MAC 1105 | |
| 2. Select STA 2023 | |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 8 hrs |
| 1. Select PHY 2053C | |
| 2. Select BSC 1005/1005L, BSC 1050/1050L, or BSC2010C | |

2. Common Program Prerequisites (CPP) (6/8 hrs)

| | |
|---|---------|
| (C (2.0) or better grades are required in all courses) | |
| MAC 2253 Calculus I | 3/4 hrs |
| or MAC 2311 Calculus w/Analytical Geometry I | |
| MAC 2254 Applied Calculus II or equiv | 3/4 hrs |
| or MAC 2312 Calculus w/Analytical Geometry II | |
| PHY 2053C College Physics I/Lab | GEP |
| or PHY 2048/L Physics for Engrs & Scientists I | |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Engineering Technology Core Requirements (25 hrs)

| | |
|---|-------|
| (C (2.0) or better grades are required in all courses) | |
| BSC 1005/L, BSC 1050/L, GEO 1200/L, BSC2010C | GEP |
| ENC 3241 Writing for the Technical Professional | 3 hrs |
| MAC 1105 College Algebra | GEP |
| MAC 1114 College Trigonometry | 3 hrs |
| MAC 2253 Applied Calculus I | CPP |
| or MAC 2311 | |
| MAP 3401 Problem Analysis | CPP |
| or MAC 2312 Calculus II | |
| PHY 2053C College Physics I | CPP |
| PHY 2054C College Physics II | 4 hrs |
| ETG 3541 Applied Mechanics | 3 hrs |
| ETI 3651C Computer Applications | 3 hrs |
| ETI 3671 Technical Economic Analysis | 3 hrs |
| ETI 3116 Applied Engrng Quality Assurance | 3 hrs |
| ETI 4448 Applied Project Management | 3 hrs |
| STA 2023 Statistical Methods I | GEP |

4. Technical Specialization (56 hrs)

Lower Level Required and Elective Courses (24 hrs)

| | |
|---|--------------------------------|
| (C (2.0) or better grades are required in all courses) | |
| EST 3543C Programmable Logic Controllers | 3 hrs |
| CET 3323C Digital Fundamentals | 4 hrs |
| CET 2364 System Applications in C | 3 hrs |
| EET 3143C Electronic Devices and Circuits | 4 hrs |
| EET 2025C Electrical Circuits | 4 hrs |
| EET 3085C Electricity and Electronics | 4 hrs |
| | Lower Level Technical Elective |
| | 2 hrs |

Upper Level Required Courses (23 hrs)

| | |
|---|-------|
| (C (2.0) or better grades are required in all courses) | |
| CET 3198C Digital Systems | 3 hrs |
| CET 3503 Microcomputer Technology I | 3 hrs |
| CET 4134C Microprocessor Electronics II | 3 hrs |
| EET 3716 Network Analysis | 3 hrs |
| EET 4158C Linear Integrated Circuits | 3 hrs |
| EET 4548C Power Systems | 4 hrs |
| EET 4732C Feedback Control Systems | 4 hrs |

Upper Level Technical Electives (9 hrs)

Select 9 hours from courses listed below:
(C (2.0) or better grades are required in all courses)

| | | |
|-----------|--------------------------------|-------|
| CET 4138C | Digital Programmable Devices | 3 hrs |
| CET 4333 | Computer Organization & Design | 3 hrs |
| CET 4931 | Current Topics in Tech | 3 hrs |
| EET 4329C | Communication Systems | 4 hrs |
| EET 4339C | Antennas and Propagation | 3 hrs |
| EET 4359C | Digital Communications | 4 hrs |
| EST 3222 | Intro to Photonics | 3 hrs |

5. Departmental Exit Requirement (3 hrs)

(C (2.0) or better grade is required)

- ETG 4950C Senior Design Project 3 hrs
- A grade of 2.0 or better is required in all prerequisites.

6. Foreign Language Requirements (0-8 hrs)

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

7. Approved Technical Electives

Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

8. University Minimum Graduation Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 128 hrs

Related Programs: Electrical Engineering Technology (Computer Systems Concentration)

Related Minors: Interdisciplinary Informatics Technology

Transfer Notes:

- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in this catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.
- PHY 2048/L can substitute for PHY 2053C.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/aic/academic_learning_compacts.htm

Tentative Course Schedule for the Electrical Systems Concentration

The tentative course schedule listed below is a guide for those students who plan on completing their engineering technology degree requirements in two years. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

| | | | |
|--------------------------------------|-----------|---------------------------------|-----------|
| Freshman Year | | | |
| Fall | 13 hrs | Spring | 12 hrs |
| ENC 1101 Composition I | 3 | ENC 1102 Composition II | 3 |
| MAC 1105 College Algebra | 3 | STA 2023 Statistical Methods | 3 |
| Biological science | 4 | MAC 1114 Trigonometry | 3 |
| Cultural/Historical Foundation | 3 | Social Foundation | 3 |
| Sophomore Year | | | |
| Fall | 16 hrs | Spring | 14/15 hrs |
| SPC 1600 Oral Communications | 3 | MAC 2253 Applied Calc I | 3/4 |
| PHY 2053C College Physics I | 4 | or MAC 2311 Calc w Anly Geo | |
| Cultural/Historical Foundation | 3 | ETI 3116 App Eng Quality Assur | 3 |
| ETI 3651C Computer Appl | 3 | CET 3323C Digital Technology | 4 |
| CET 2364 Sys Appl in C | 3 | PHY 2054C College Physics II | 4 |
| Summer | | 7 hrs | |
| ENC 3241 Writing Tech Pros | 3 | | |
| EET 3085C Electricity and Electro | 4 | | |
| Junior Year | | | |
| Fall | 12/13 hrs | Spring | 15 hrs |
| MAP 3401 Problem Analysis | 3/4 | Cultural/Historical Foundation | 3 |
| or MAC 2312 Calculus II | | EET 3716 Network Anals | 3 |
| or MAC 2254 Applied Calc II | | CET 3198C Digital Systems | 3 |
| EET 2025C Electrical Circuits | 4 | ETI 3671 Tech Economic Analysis | 3 |
| ETG 3541 Applied Mechanics | 3 | Social Foundation | 3 |
| Lower level elective | 2 | | |
| Summer | | 10 hrs | |
| CET 4134C Microprocessor Elec II | 3 | | |
| EET 3143C Elect Devices and Circuits | 4 | | |
| Upper level elective | 3 | | |
| Senior Year | | | |
| Fall | 16 hrs | Spring | 13 hrs |
| EET 4548C Power Systems | 4 | ETG 4950C Sr. Design Proj | 3 |
| EET 4158C Linear Int Cir | 3 | Upper level elective | 3 |
| EST 3543C Programmable Logic Cont | 3 | EET 4732C Feedback Control | 4 |
| Upper level elective | 3 | ETI 4448 Applied Project Mgmt | 3 |
| CET 3503 Microcom Tech I | 3 | | |

ELECTRICAL ENGINEERING TECHNOLOGY - PHOTONICS CONCENTRATION (B.S.E.E.T.)

College of Engineering and Computer Science
Engineering Technology (ENT) Department
ENGR 207, 407-823-0770; Fax: 407-823-4746
<http://www.ent.ucf.edu>

Coordinator: Dr. Al Ducharme, E-mail: ducharme@mail.ucf.edu

Admission Requirements none

Degree Requirements

- Students should check with their ENT advisor frequently to ensure that they are making proper progress toward the degree.
- A grade of "C" (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (36+2 hrs)

| | |
|---|-------|
| A. Communication Foundations | 9 hrs |
| 1. ENC 1101 & 1102 | |
| 2. Prefer SPC 1016 | |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| 1. Select MAC 1105 | |
| 2. Select STA 2023 | |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 8 hrs |
| 1. Select PHY 2053C | |
| 2. Select BSC 1005/1005L, BSC 1050/1050L, or BSC2010C | |

2. Common Program Prerequisites (CPP) (6/8 hrs)

| | | |
|---|-----------------------------------|---------|
| (C (2.0) or better grades are required in all courses) | | |
| MAC 2253 | Calculus I | 3/4 hrs |
| or MAC 2311 | Calculus w/Analytical Geometry I | |
| MAC 2254 | Applied Calculus II or equiv | 3/4 hrs |
| or MAC 2312 | Calculus w/Analytical Geometry II | |
| PHY 2053C | College Physics I/Lab | GEP |
| or PHY 2048/L | Physics for Engrs & Scientists I | |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Engineering Technology Core Requirements (22 hrs)

| | | |
|---|--|-------|
| (C (2.0) or better grades are required in all courses) | | |
| BSC 1005/L, BSC 1050/L, BSC2010C | | GEP |
| ENC 3241 | Writing for the Technical Professional | 3 hrs |
| MAC 1105 | College Algebra | GEP |

UCF Degree Programs

| | | |
|-------------|-----------------------------------|-------|
| MAC 1114 | College Trigonometry | 3 hrs |
| MAC 2253 | Applied Calculus I | CPP |
| or MAC 2311 | Calculus w/Analytical Geometry I | |
| MAP 3401 | Problem Analysis | CPP |
| or MAC 2254 | Applied Calculus II | |
| or MAC 2312 | Calculus w/Analytical Geometry II | |
| PHY 2053C | College Physics I | CPP |
| PHY 2054C | College Physics II | 4 hrs |
| ETG 3541 | Applied Mechanics | 3 hrs |
| ETI 3671 | Technical Economic Analysis | 3 hrs |
| ETI 3116 | Applied Engrng Quality Assurance | 3 hrs |
| ETI 4448 | Applied Project Management | 3 hrs |
| STA 2023 | Statistical Methods I | GEP |

4. Technical Specialization

Lower Level Required and Elective Courses

(C (2.0) or better grades are required in all courses)

| | | |
|-----------|---------------------------------|-------|
| EST 3543C | Programmable Logic Controllers | 3 hrs |
| CET 2364 | System Applications in C | 3 hrs |
| EET 3143C | Electronic Devices and Circuits | 4 hrs |
| EET 2025C | Electrical Circuits | 4 hrs |
| EET 3085C | Electricity and Electronics | 4 hrs |
| | Lower level elective | 2 hrs |

Upper Level Required Courses

(C (2.0) or better grades are required in all courses)

| | | |
|-----------|-------------------------------|-------|
| EET 3716 | Network Analysis | 3 hrs |
| EET 4158C | Linear Integrated Circuits | 3 hrs |
| EET 4548C | Power Systems | 4 hrs |
| EST 3222 | Intro to Photonics | 3 hrs |
| EST 3213 | Photonics Simulation | 3 hrs |
| EST 3211 | Wave Photonics | 3 hrs |
| EST 4236 | Laser Systems Technology | 3 hrs |
| EST 4227 | Photonics Sensors and Devices | 3 hrs |
| EST 4256 | Photonics Communication | 3 hrs |
| EST 4225 | Manufacturing of Photonics | 3 hrs |

Upper Level Technical Electives

(C (2.0) or better grades are required in all courses)

Check with ENT faculty advisor for approved electives.

5. Departmental Exit Requirement

(C (2.0) or better grade is required)

| | | |
|-----------|--------------------------|-------|
| ETG 4950C | Senior Design Project or | 3 hrs |
| EST 4259C | Photonic Systems | |

- A grade of 2.0 or better is required in all prerequisites.

6. Foreign Language Requirements

(0-8 hrs)

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

7. Approved Technical Electives

(0-4 hrs)

Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

8. University Minimum Graduation Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 128 hrs

Related Programs: Electrical Engineering Technology (Computer Systems Concentration).

Related Minors: none

Transfer Notes:

- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in this catalog.)

- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.
- PHY 2048/L can substitute for PHY 2053C.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Tentative Course Schedule for the Photonics Concentration

The tentative course schedule listed below is a guide for those students who plan on completing their engineering technology degree requirements in four years. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year

| | | | |
|--------------------------|---------------|--------------------------------|---------------|
| Fall | 13 hrs | Spring | 14 hrs |
| ENC 1101 Composition I | 3 | ENC 1102 Composition II | 3 |
| MAC 1105 College Algebra | 3 | STA 2023 Statistical Methods | 3 |
| Biological science | 4 | Cultural/Historical Foundation | 3 |
| Social Foundation | 3 | Social Foundation | 3 |
| | | Lower level elective | 2 |

Sophomore Year

| | | | |
|------------------------------------|---------------|---------------------------------|------------------|
| Fall | 16 hrs | Spring | 13/14 hrs |
| SPC 1016 Fund of Technical Pres | 3 | MAC 2253 Applied Calc I | 3/4 |
| PHY 2053C College Physics I | 4 | or MAC 2311 Calc w Anly Geo | |
| Cultural/Historical Foundation | 3 | ETI 3116 Appl Eng Quality Assur | 3 |
| MAC 1114 Trigonometry | 3 | ETG 3541 Applied Mechanics | 3 |
| CET 2364 Systems Applications in C | 3 | PHY 2054C College Physics II | 4 |
| Summer | 7 hrs | | |
| ENC 3241 Writing Tech Pros | 3 | | |
| EET 3085C Electricity & Electronic | 4 | | |

Junior Year

| | | | |
|-------------------------------------|------------------|---------------------------------|---------------|
| Fall | 13/14 hrs | Spring | 15 hrs |
| MAP 3401 Problem Analysis | 3/4 | ETI 3671 Tech Economic Analysis | 3 |
| or MAC 2312 Calculus II | | Cultural/Historical Foundations | 3 |
| or MAC 2254 Applied Calc II | | EST 3211 Wave Photonics | 3 |
| EET 2025C Electrical Circuits | 4 | EET 3716 Network Analysis | 3 |
| EST 3543C Prog Logic Cont | 3 | Upper level elective | 3 |
| EST 3222 Intro to Photonics | 3 | | |
| Summer | 10 hrs | | |
| EET 3143C Electronic Devices & Circ | 4 | | |
| ETI 4448 Applied Project Management | 3 | | |
| Upper level elective | 3 | | |

Senior Year

| | | | |
|-------------------------------------|---------------|---------------------------------|---------------|
| Fall | 16 hrs | Spring | 12 hrs |
| EET 4548C Power Systems | 4 | EST 4256 Photonics Comm | 3 |
| EET 4158C Linear Int Cir | 3 | ETG 4950C Sen Design Project | 3 |
| EST 3213 Photonics Simulation | 3 | or EST 4259C Photonic Systems | |
| EST 4236 Laser Sys Tech | 3 | EST 4227 Photo Sensors & Device | 3 |
| EST 4225 Manufacturing of Photonics | 3 | Upper level elective | 3 |

ELECTRICAL ENGINEERING TECHNOLOGY (BSEET)

A.S. to B.S.E.E.T. CONCENTRATION

Note: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

ELEMENTARY EDUCATION (B.S.)

College of Education

Department of Teaching and Learning Principles

ED 209

<http://education.ucf.edu/elemed/>

Program Coordinators: Dr. Karri Williams and Dr. Robert Everett
E-mail: kjwillia@mail.ucf.edu, everett@mail.ucf.edu

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 and/or CLAST examination (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

Degree Requirements

- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (36 hrs)

- A. Communication Foundation (9 hrs)
1. ENC 1101 English Composition I 3 hrs
 2. ENC 1102 English Composition II 3 hrs
 3. Prefer SPC 1600 Fundamentals of Oral Communication 3 hrs
- B. Cultural-Historical Foundation (9 hrs)
1. Prefer: AMH 2010 U.S. History 1492-1877 3 hrs
 2. Prefer: ARH 2050 The History of Art I, *or* ARH 2051 The History of Art II, *or* MUL 2010 Enjoyment of Music 3 hrs
 3. Prefer: AMH 2020 U.S. History 1877-present 3 hrs
- C. Mathematical Foundation (6 hrs)
1. Select: MAC 1105 College Algebra *or* MGF 1106 Finite Mathematics 3 hrs
 2. Prefer: STA 1060C Basic Statistics using MS Excel *or* STA 2014C Principles of Statistics 3 hrs
- D. Social Foundation (6 hrs)
1. Prefer: POS 2041 American National Government 3 hrs
 2. Prefer: PSY 2012 General Psychology 3 hrs
- E. Science Foundation (6 hrs)
1. Prefer: PSC 1121 Physical Science 3 hrs
 2. Prefer: BSC 1005 Biological Principles 3 hrs
- Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)

- | | | |
|----------|------------------------------|-------|
| EDF 2005 | Introduction to Education | 3 hrs |
| EDG 2701 | Teaching Diverse Populations | 3 hrs |
| EME 2040 | Technology for Educators | 3 hrs |
- Note: In addition to EDG 2701, 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.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Other Program Requirements (8 hrs)

- | | | |
|------------|--|-------|
| EDF 2130** | Child and Adolescent Development for Educators | 3 hrs |
| MAE 2801* | Elementary School Mathematics | 4 hrs |
| PET 2081** | Wellness, Children & Schools | 1 hr |

* MAC 1105 or MGF 1106 is a prerequisite for MAE 2801

**Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. 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 College Algebra (if MGF 1106 taken for General Education Program) *or* MGF 1106 Finite Mathematics (if MAC 1105 taken for General Education Program)
 - One associated science lab – BSC 1005L *or* PSC 1121L
 - A second course from the preferred courses listed in the UCF General Education Program section B.2. above (ARH 2050, ARH 2051, *or* MUL 2010) or an additional science course.

5. Education Program Recommended Sequence of Required Upper Division Courses

Note: The following recommended sequence of required upper division courses may vary at regional campus locations.

Semester I (15 hrs)

- | | | |
|----------|---|-------|
| EDG 4410 | Teaching Strategies and Classroom Mgmt (required prior to Internship I) | 3 hrs |
|----------|---|-------|

- | | | |
|----------|---|-------|
| EDF 4467 | Learning Theory and Assessment | 3 hrs |
| LAE 3414 | Children's Literature | 3 hrs |
| RED 3012 | Basic Foundations of Reading (required prior to Internship I) | 3 hrs |
| TSL 4080 | Theory and Practice of Teaching ESOL Students in Schools (required prior to Internship I) | 3 hrs |

Semester II (15 hrs)

- | | | |
|----------|---|-------|
| SCE 3310 | Teaching Science in the Elementary School | 3 hrs |
| SSE 3312 | Teaching Social Science in the Elem School | 3 hrs |
| LAE 4314 | Teaching Language Arts in the Elementary School | 3 hrs |
| RED 4519 | Diagnostic & Corrective Reading Strategies | 3 hrs |
| EEX 4070 | Teaching Exceptional Children | 3 hrs |

Summer (6 hrs)

- | | | |
|----------|---|-------|
| EDF 4603 | Analysis and Applications of Ethical, Legal, and Safety Issues in Schools | 3 hrs |
| TSL 4240 | Issues in Second Language Acquisition | 3 hrs |

- Prior to Internship I, the student must have completed each of the prerequisite courses indicated above with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended during the first semester (if CLAST was used for admission) and before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.clinicalexperiences.education.ucf.edu>. Prerequisites for Internship I: EDG 4410, RED 3012, TSL 4080, MAE 2801.

Note: RED 4942, MAE 4326, and EDE 4XXX are taken concurrently with EDE 3942 Internship I. Students should not plan to take additional courses with Internship I block because of the intensity of the Internship I semester.

Semester III (Internship I Block) (12 hrs)

- | | | |
|----------|--|-------|
| RED 4942 | Practicum for Assessment and Instruction of Reading (PR: RED 4519) | 3 hrs |
| MAE 4326 | How Children Learn Math | 3 hrs |
| EDE 4XXX | Integrated Arts and Movement in Elem School | 3 hrs |
| EDE 3942 | Internship I | 3 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.clinicalexperiences.education.ucf.edu>.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

Semester IV (Internship II) (12 hrs)

- | | | |
|----------|---------------|--------|
| EDE 4943 | Internship II | 12 hrs |
|----------|---------------|--------|

6. Foreign Language Requirements (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.)

UCF Degree Programs

7. 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.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

9. Total Semester Hours Required 120 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/aic/academic_learning_compacts.htm

10. Recommended Four-Year Sequence of Courses

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) | Spring (13 hrs) |
|-------------------------------------|-----------------------------------|
| EME 2040 Technology for Educators 3 | EDF 2130 Child & Adoles Dev Ed* 3 |
| ENC 1101 English Composition I 3 | ENC 1102 English Composition II 3 |
| ARH 2050 The History of Art I 3 | PSY 2012 General Psychology 3 |
| MAC 1105 College Algebra 3 | PSC 1121 Physical Science 3 |
| | PSC 1121L Physical Science Lab 1 |

Summer

| |
|----------------------------------|
| MGF 1106 Finite Mathematics 3 |
| POS 2041 American National Gov 3 |

Sophomore Year

| Fall (15 hrs) | Spring (14 hrs) |
|--------------------------------------|--|
| AMH 2010 U.S. History 1492-1877 3 | AMH 2020 US History 1877-present 3 |
| BSC 1005 Biological Principles 3 | MAE 2801 Elem Sch Math 4 |
| EDF 2005 Introduction to Education 3 | STA 2014C Principles of Statistics 3 |
| SPC 1600 Fund of Oral Comm 3 | EDG 2701 Teaching Diverse Pop 3 |
| MUL 2010 Enjoyment of Music 3 | PET 2081 Wellness, Children & Schools* 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 (15 hrs) | Spring (15 hrs) |
|--|------------------------------------|
| EDG 4410 Teach Strat & Class Mgmt 3 | RED 4519 Diagn & Corr Read Strat 3 |
| EDF 4467 Learn Theory & Assmt 3 | SCE 3310 Teach Sci in Elem Sch 3 |
| LAE 3414 Children's Literature 3 | SSE 3312 Teach Soc Sci Elem Sch 3 |
| RED 3012 Basic Found of Reading 3 | LAE 4314 Teach Lang Arts Elem 3 |
| TSL 4080 Theory & Prac of Teach ESOL 3 | EEX 4070 Teach Excepti Children 3 |
| | Students in Schools |

Summer

| |
|--|
| EDF 4603 Anal & Appl of Eth, Legal, & Safe Issues in Sch 3 |
| TSL 4240 Issues in 2nd Lang Acquisition 3 |

Senior Year

| Fall (12 hrs) | Spring (12 hrs) |
|--|---------------------------|
| MAE 4326 How Children Learn Math 3 | EDE 4943 Internship II 12 |
| RED 4942 Practicum for Assmt & Instruct of Reading 3 | |
| EDE 4XXX Integrated Arts and Movement in Elem School 3 | |
| EDE 3942 Internship I 3 | |

ENGINEERING TECHNOLOGY - DESIGN CONCENTRATION (B.S.E.T.)

College of Engineering and Computer Science
Engineering Technology (ENT) Department, ENGR 207
<http://www.ent.ucf.edu>

Coordinator: Dr. Eduardo Divo, 407-823-4753,
Email: edivo@mail.ucf.edu

Admission Requirements

none

Degree Requirements

- Students should check with their ENT advisor frequently to insure that they are making proper progress toward the degree.
- A grade of "C" (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (36+2 hrs)

| | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| 1. ENC 1101 & ENC 1102 | |
| 2. Prefer SPC 1016 | |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| 1. Select MAC 1105 | |
| 2. Select STA 2023 | |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 8 hrs |
| 1. Select PHY 2053C | |
| 2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310 | |

2. Common Program Prerequisites (CPP) (6/8 hrs)

(C (2.0) or better grades are required in all courses)

| | | |
|---------------|-----------------------------------|---------|
| MAC 2253 | Calculus I | 3/4 hrs |
| or MAC 2311 | Calculus w/Analytical Geometry I | |
| MAC 2254 | Applied Calculus II or equiv | 3/4 hrs |
| or MAC 2312 | Calculus w/Analytical Geometry II | |
| PHY 2053C | College Physics I/Lab | GEP |
| or PHY 2048/L | Physics for Engrs & Scientists I | |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Engineering Technology Core Requirements (21 hrs)

| | | |
|--|--|-------|
| ANT 2511, BSC 1005, BSC 1050, GEO 1200, MCB 1310 or GLY 1030 | GEP | |
| ENC 3241 | Writing for the Technical Professional | 3 hrs |
| MAC 1105 | College Algebra | GEP |
| MAC 1114 | College Trigonometry | 3 hrs |
| MAC 2253 | Applied Calculus I | CPP |
| or MAC 2311 | Calculus w/Analytical Geometry I | |
| MAP 3401 | Problem Analysis | CPP |
| or MAC 2312 | Calculus w/Analytical Geometry II | |
| PHY 2053C | College Physics I | CPP |
| ETG 3541 | Applied Mechanics | 3 hrs |
| ETI 4448 | Applied Project Management | 3 hrs |
| ETI 3671 | Technical Economic Analysis | 3 hrs |
| ETI 3116 | Applied Engrng Quality Assurance | 3 hrs |
| ETI 4635 | Technology Administration | 3 hrs |

4. Technical Specialization (60 hrs)

(C (2.0) or better grades are required in all courses except lower level technical electives)

Lower Level Required and Elective Courses (26 hrs)

| | | |
|-----------------|--|--------|
| EST 3543C | Programmable Logic Controllers | 3 hrs |
| CHM 1032, 1032L | General Chemistry, Lab | 4 hrs |
| CET 2364 | Systems Application in C | 3 hrs |
| EET 3085C | Electricity and Electronics | 4 hrs |
| or EET 3086 | | |
| STA 2023 | Statistical Methods I | GEP |
| | Approved Lower Level Technical Electives | 12 hrs |

Select one of the following two options to complete your BSET.

a. Mechanical Technology Track

Upper Level Required Courses (22 hrs)

| | | |
|-----------|--------------------------------------|-------|
| EST 4502C | Metrology & Instrumentation | 4 hrs |
| ETD 3350C | Applied CADD | 3 hrs |
| ETG 3533C | Applied Engrng Strength of Materials | 4 hrs |
| ETI 3421 | Materials & Processes | 3 hrs |
| ETM 4220 | Applied Energy Systems | 4 hrs |
| ETM 4331C | Applied Fluid Mechanics | 4 hrs |

Upper Level Technical Elective (12 hrs)

| | | |
|-----------|---------------------|-------|
| ETI 4480C | Applied Robotics | 4 hrs |
| ETI 4700 | Occupational Safety | 3 hrs |

| | | |
|-----------|--|-------|
| ETM 4512C | Applied Design of Machine Elements | 3 hrs |
| ETI 3418C | Computer Numerical Controls | 3 hrs |
| ETM 4231C | Applied Heat Transfer | 4 hrs |
| ETM 4755 | Applied Air Conditioning | 4 hrs |
| CET 3010 | Introduction to Information Technology | 3 hrs |

b. Construction Technology Track

| | | |
|--|--------------------------------------|-------|
| Upper Level Required Courses (22 hrs) | | |
| ETD 3350C | Applied CADD | 3 hrs |
| ETG 3533C | Applied Engrng Strength of Materials | 4 hrs |
| ETC 4206 | Construction Estimating | 3 hrs |
| ETC 4241C | Construction Materials & Methods | 3 hrs |
| ETC 4242 | Construction Contracts & Specs | 3 hrs |
| ETC 4414C | Applied Structural Design I | 3 hrs |
| ETC 4415C | Applied Structural Design II | 3 hrs |

| | | |
|--|-------------------------------|-------|
| Upper Level Technical Elective (12 hrs) | | |
| EST 4502C | Metrology & Instrumentation | 4 hrs |
| ETC 4243 | Building Systems | 3 hrs |
| ETC 4XXX | Digital Cartology | 3 hrs |
| ETI 3421 | Materials & Processes | 3 hrs |
| ETI 4700 | Occupational Safety | 3 hrs |
| ETM 4331C | Applied Fluid Mechanics | 4 hrs |
| ETM 4220 | Applied Energy Systems | 4 hrs |
| GIS 3043C | GIS for Environmental Studies | 3 hrs |

5. Departmental Graduation Requirement (C (2.0) or better grades are required in all courses) (3 hrs)

| | | |
|-----------|-----------------------|-------|
| ETG 4950C | Senior Design Project | 3 hrs |
|-----------|-----------------------|-------|

■ A grade of 2.0 or better is required in all prerequisites.

6. Foreign Language Requirements (0-8 hrs)

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

7. Approved Technical Electives

Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

8. University Minimum Graduation Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required 128 hrs

Related Programs: Engineering Technology (Operations Concentration).

Related Minors: Interdisciplinary Informatics Technology

Transfer Notes:

- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in this catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.
- PHY 2048/L and 2049/L substitute for PHY 2053C and PHY 2054C respectively.

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

Tentative Schedule for the Design Concentration

The tentative course schedule listed below is a guide for those students who plan on completing their engineering technology degree requirements in four years. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Engineering Technology – 128 semester hours required

Freshman Year

| | | | |
|--------------------------------|---------------|----------------------------|---------------|
| Fall | 13 hrs | Spring | 13 hrs |
| ENC 1101 Composition I | 3 | ENC 1102 Composition II | 3 |
| MAC 1105 College Algebra | 3 | CHM 1032 General Chemistry | 4 |
| Biological science | 4 | MAC 1114 Trigonometry | 3 |
| Cultural/Historical Foundation | 3 | Social Foundation | 3 |

Sophomore Year

| | | | |
|--------------------------------|------------------|--------------------------------|------------------|
| Fall | 13/14 hrs | Spring | 15/16 hrs |
| SPC 1600 Oral Communications | 3 | Cultural/Historical Foundation | 3 |
| PHY 2053C College Physics I | 4 | STA 2023 Statistical Methods | 3 |
| Cultural/Historical Foundation | 3 | MAP 3401 Problem Analysis | 3/4 |
| MAC 2253 Applied Calc I | 3/4 | or MAC 2312 Calculus II | |
| or MAC 2311 Calc w Anly Geo | | or MAC 2254 Applied Calc II | |
| | | ETI 3671 Tech Econ Analysis | 3 |
| | | Lower level elective | 3 |

Summer

| | |
|--------------------------------|--------------|
| | 9 hrs |
| ETI 3116 App Eng Quality Assur | 3 |
| ENC 3241 Writing Tech Pros | 3 |
| Lower level elective | 3 |

Junior Year

| | | | |
|-----------------------------------|---------------|--------------------------------|---------------|
| Fall | 16 hrs | Spring | 15 hrs |
| EET 3085C Electricity and Electro | 4 | Upper level elective | 3 |
| Lower level elective | 3 | CET 2364 Sys Appl in C | 3 |
| Social Foundation | 3 | ETI 4635 Tech Admin | 3 |
| ETG 3541 Applied Mechanics | 3 | EST 3543C Prog Log Controllers | 3 |
| ETD 3350C Appl CAD | 3 | Lower level elective | 3 |

I. Mechanical Technology Track

| | |
|----------------------------|--------------|
| Summer | 7 hrs |
| ETM 4331C Appl Fluid Mech | 4 |
| ETI 4448 Applied Proj Mgmt | 3 |

Senior Year

| | | | |
|-----------------------------------|---------------|--------------------------|---------------|
| Fall | 13 hrs | Spring | 14 hrs |
| ETI 3421 Materials & Processes | 3 | EST 4502C Metro Instr | 4 |
| ETG 3533C Appl. Eng Strength Mat. | 4 | ETG 4950C Sr Design Proj | 3 |
| Upper level elective | 3 | ETM 4220 Energy Systems | 4 |
| Upper level elective | 3 | Upper level elective | 3 |

II. Construction Technology Track

| | |
|----------------------------|--------------|
| Summer | 6 hrs |
| Upper level elective | 3 |
| ETI 4448 Applied Proj Mgmt | 3 |

Senior Year

| | | | |
|------------------------------------|---------------|-------------------------------------|---------------|
| Fall | 12 hrs | Spring | 16 hrs |
| ETC 4241C Construction Mat & Meth | 3 | ETG 4950C Sr Design Proj | 3 |
| ETC 4414C Applied Structural Des I | 3 | ETC 4206 Construction Estimating | 3 |
| ETC 4242 Const. Contracts & Spec | 3 | ETC 4415C Applied Structural Des II | 3 |
| Upper level elective | 3 | Upper level elective | 3 |
| | | EIG 3533C | 4 |

ENGINEERING TECHNOLOGY - GEOMATICS CONCENTRATION (B.S.E.T.)

**College of Engineering and Computer Science
Department of Engineering Technology (ENT)
ENGR 207, 407-823-4742; Fax: 407-823-4746**

Coordinator: Dr. Eduardo Divo, 407-823-4753,
Email: edivo@mail.ucf.edu

Admission Requirements

none

Degree Requirements

- Students should check with their ENT advisor frequently to insure that they are making proper progress toward the degree.
- A grade of "C" (2.0) or better is required in all prerequisites and upper level courses.

UCF Degree Programs

1. UCF General Education Program

| | | |
|---|------------|-------|
| A. Communication Foundations | (36+2 hrs) | 9 hrs |
| 1. ENC 1101 & ENC 1102 | | |
| 2. Prefer SPC 1016 | | |
| B. Cultural and Historical Foundations | 9 hrs | |
| C. Mathematical Foundations | 6 hrs | |
| 1. Select MAC 1105 | | |
| 2. Select STA 2023 | | |
| D. Social Foundations | 6 hrs | |
| E. Science Foundations | 8 hrs | |
| 1. Select PHY 2053C | | |
| 2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, <i>or</i> MCB 1310 | | |

2. Common Program Prerequisites (CPP) (C (2.0) or better grades are required in all courses)

| | | |
|----------------------|-----------------------------------|---------|
| MAC 2253 | Calculus I | 3/4 hrs |
| <i>or</i> MAC 2311 | Calculus w/Analytical Geometry I | |
| MAC 2254 | Applied Calculus II or equiv | 3/4 hrs |
| <i>or</i> MAC 2312 | Calculus w/Analytical Geometry II | |
| PHY 2053C | College Physics I/Lab | GEP |
| <i>or</i> PHY 2048/L | Physics for Engrs & Scientists I | |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Engineering Technology Core Requirements (21 hrs)

| | | |
|---|--|-------|
| ANT 2511, BSC 1005, BSC 1050, GEO 1200, MCB 1310 <i>or</i> GLY 1030 | GEP | |
| ENC 3241 | Writing for the Technical Professional | 3 hrs |
| MAC 1105 | College Algebra | GEP |
| MAC 1114 | College Trigonometry | 3 hrs |
| MAC 2253 | Applied Calculus I | CPP |
| <i>or</i> MAC 2311 | Calculus w/Analytical Geometry I | |
| MAP 3401 | Problem Analysis | CPP |
| <i>or</i> MAC 2312 | Calculus w/Analytical Geometry II | |
| PHY 2053C | College Physics I | CPP |
| ETG 3541 | Applied Mechanics | 3 hrs |
| ETI 4448 | Applied Project Management | 3 hrs |
| ETI 3671 | Technical Economic Analysis | 3 hrs |
| ETI 3116 | Applied Engineering Quality Assurance | 3 hrs |
| ETI 4635 | Technology Administration | 3 hrs |

4. Technical Specialization (66 hrs) (C (2.0) or better grades are required in all courses except the lower level technical electives)

| | | |
|---|-----------------------|-------|
| Lower Level Required and Elective Courses (21 hrs) | | |
| SUR 2101C | Surveying | 3 hrs |
| STA 2023 | Statistical Methods I | GEP |
| SUR 2140C | Advanced Surveying | 3 hrs |

15 hours of approved technical, courses will be accepted including but not limited to the following:

| | | |
|-----------|-----------------------------------|-------|
| SUR 2202C | Highway Drafting and Route Design | 4 hrs |
| SUR 2460 | Subdivisions | 3 hrs |
| SUR 2640 | Advanced Surveying Computations | 4 hrs |
| CGS 1363 | Geographic Information Systems | 3 hrs |

Upper Level Required Courses (30 hrs)

| | | |
|-----------|-------------------------------|-------|
| ETD 3350C | Applied CADD | 3 hrs |
| SUR 3530C | Geodetic Science | 3 hrs |
| SUR 4531 | Positioning with GPS | 3 hrs |
| SUR 3331 | Photogrammetry | 3 hrs |
| SUR 4463 | Land Subdivision & Platting | 3 hrs |
| SUR 4402 | Boundary Location | 3 hrs |
| SUR 3641 | Geospatial Computations | 3 hrs |
| SUR 4XXX | Cadastral Information Systems | 3 hrs |
| SUR 4XXX | Digital Cartography | 3 hrs |
| GIS 3043C | GIS Env. Studies | 3 hrs |

Upper Level Technical Elective (12 hrs)

| | | |
|-----------|-----------------------------------|-------|
| SUR 4380 | Satellite Remote Sensing | 3 hrs |
| SUR 4XXX | Digital Photogrammetry | 3 hrs |
| PLA 3610 | Property and Real Estate Law | 3 hrs |
| GEO 4035C | Remote Sensing of the Environment | 3 hrs |
| GIS 4301C | Advanced GIS Applications | 3 hrs |

5. Departmental Graduation Requirement (3 hrs)

| | | |
|---|-----------------------|-------|
| (C (2.0) or better grades are required in all courses) | | |
| ETG 4950C | Senior Design Project | 3 hrs |

A grade of 2.0 or better is required for all prerequisites.

6. Foreign Language Requirements (0-8 hrs)

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

7. Approved Technical Electives

Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

7. University Minimum Graduation Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required 128 hrs

Transfer Notes:

- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in this catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly scheduled 3000 or 4000 level courses taken from the UCF ENT Department.
- PHY 2048/L and 2049/L substitute for PHY 2053C and PHY 2054C respectively.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/aic/academic_learning_compacts.htm

Tentative Course Schedule for the Geomatics Concentration

The tentative course schedule listed below is a guide for those students who plan on completing their engineering technology degree requirements in four years. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

| | | | |
|------------------------------------|------------------|-------------------------------------|------------------|
| Freshman Year | | | |
| Fall | 16 hrs | Spring | 16 hrs |
| ENC 1101 Composition I | 3 | ENC 1102 Composition II | 3 |
| MAC 1105 College Algebra | 3 | CHM 1032 General Chemistry | 4 |
| Biological science | 4 | MAC 1114 Trigonometry | 3 |
| Cultural/Historical Foundation | 3 | Social Foundation | 3 |
| SPC 1600 Oral Communications | 3 | Lower level required course | 3 |
| Sophomore Year | | | |
| Fall | 16/17 hrs | Spring | 15/17 hrs |
| Cultural/Historical Foundation | 3 | STA 2023 Statistical Methods | 3 |
| PHY 2053C College Physics I | 4 | MAP 3401 Problem Analysis <i>or</i> | 3/4 |
| Cultural/Historical Foundation | 3 | MAC 2312 Calculus II | 3 |
| MAC 2253 Applied Calc I | 3/4 | <i>or</i> MAC 2254 Applied Calc II | |
| <i>or</i> MAC 2311 Calc w Anly Geo | | ETI 3671 Tech Econ Analysis | 3 |
| Lower Level required course | 3/4 | Lower level required course | 3/4 |
| Summer | | | |
| | 12/14 hrs | | |
| ENC 3241 Writing Tech Pros | 3 | | |
| SUR 2101 Surveying | 3 | | |
| Lower level required course | 3/4 | | |
| Lower level required course | 3/4 | | |

| | | | |
|--------------------------------|----------------|--------------------------------|---------------|
| Junior Year | | | |
| Fall | 15 hrs | Spring | 12 hrs |
| SUR XXXX Digital Cartography | 3 | SUR 4531 Positioning with GPS | 3 |
| SUR 3530C Geodetic Science | 3 | SUR 4402 Boundary Location | 3 |
| Social Foundation | 3 | ETI 4448 Applied Proj Mgmt | 3 |
| SUR 3331 Photogrammetry | 3 | Upper level technical elective | 3 |
| ETD 3350C Appl CAD | 3 | | |
| Summer | 6/7 hrs | | |
| Lower level required course | 3/4 | | |
| Upper level technical elective | 3 | | |

| | | | |
|--|---------------|--------------------------------|---------------|
| Senior Year | | | |
| Fall | 12 hrs | Spring | 12 hrs |
| ETG 3541 Applied Mechanics | 3 | ETG 4950C Sr Design Proj | 3 |
| ETI 3116 Appl. Engr. Quality Assurance | 3 | ETI 3671 Tech Economics Analy | 3 |
| SUR 4463 Land Subdivision & Platting | 3 | Upper level technical elective | 3 |
| SUR 3641 Geospatial Computations | 3 | Upper level technical elective | 3 |

ENGINEERING TECHNOLOGY - OPERATIONS CONCENTRATION (B.S.E.T.)

**College of Engineering and Computer Science
Engineering Technology (ENT) Department
ENGR 207, 407-823-4742; Fax: 407-823-4746**

Coordinator: Dr. Eduardo Divo, 407-823-4753,
Email: edivo@mail.ucf.edu

Admission Requirements **none**

Degree Requirements

- Students should check with their ENT advisor frequently to insure that they are making proper progress toward the degree.
- A grade of "C" (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (36+2 hrs)

- | | |
|---|-------|
| A. Communication Foundations | 9 hrs |
| 1. ENC 1101, & ENC 1102 | |
| 2. Prefer SPC 1016 | |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| 1. Select MAC 1105 | |
| 2. Select STA 2023 | |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 8 hrs |
| 1. Select PHY 2053C | |
| 2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200 <i>or</i> MCB 1310 | |

2. Common Program Prerequisites (CPP) (6/8 hrs)

(C (2.0) or better grades are required in all courses)

- | | | |
|----------------------|-----------------------------------|---------|
| MAC 2253 | Calculus I | 3/4 hrs |
| <i>or</i> MAC 2311 | Calculus w/Analytical Geometry I | |
| MAC 2254 | Applied Calculus II or equiv | 3/4 hrs |
| <i>or</i> MAC 2312 | Calculus w/Analytical Geometry II | |
| PHY 2053C | College Physics I/Lab | GEP |
| <i>or</i> PHY 2048/L | Physics for Engrs & Scientists I | |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Engineering Technology Core Requirements (21 hrs)

- | | |
|---|--|
| ANT 2511, BSC 1005, BSC 1050, GEO 1200, GEO 2370, <i>or</i> GLY 1030 | GEP |
| ENC 3241 | Writing for the Technical Professional |
| MAC 1105 | College Algebra |
| MAC 1114 | College Trigonometry |
| MAC 2253 | Applied Calculus I |
| <i>or</i> MAC 2311 | Calculus w/Analytical Geometry I |
| MAP 3401 | Problem Analysis |
| <i>or</i> MAC 2312 | Calculus w/Analytical Geometry II |
| PHY 2053C | College Physics I |
| ETG 3541 | Applied Mechanics |
| ETI 4448 | Applied Project Management |
| ETI 3671 | Technical Economic Analysis |
| ETI 3116 | Applied Engineering Quality Assurance |
| ETI 4635 | Technology Administration |

4. Technical Specialization (60 hrs)

(C (2.0) or better grades are required in all courses except the lower level technical electives)

- | | |
|--|--------------------------------|
| Lower Level Required and Elective Courses (25 hrs) | |
| EST 3543C | Programmable Logic Controllers |
| CHM 1032, 1032L | General Chemistry, Lab |
| CET 2364 | Systems Application in C |

- | | | |
|--|-----------------------------|--------|
| EET 3085C | Electricity and Electronics | 4 hrs |
| STA 2023 | Statistical Methods I | GEP |
| Approved Lower Level Technical Electives | | 11 hrs |

Upper Level Required Courses (18 hrs)

- | | | |
|-----------|-----------------------|-------|
| ETI 4640 | Operations Management | 3 hrs |
| ETD 3350C | Applied CADD | 3 hrs |
| ETI 3690 | Technical Sales | 3 hrs |
| ETI 4186 | Applied Reliability | 3 hrs |
| ETI 4700 | Occupational Safety | 3 hrs |
| ETI 4205 | Applied Logistics | 3 hrs |

Upper Level Technical Elective (Select 5) (17 hrs)

- | | | |
|-----------|--|-------|
| CET 3010 | Introduction to Information Technology | 3 hrs |
| EST 3222 | Introduction to Photonics | 3 hrs |
| ETC 4XXXC | Digital Cartography | 3 hrs |
| ETG 3533C | Applied Engrng Strength of Materials | 4 hrs |
| ETI 3418C | Computer Numerical Controls | 3 hrs |
| ETI 3421 | Materials & Processes | 3 hrs |
| EST 4502C | Metrology & Instrumentation | 4 hrs |
| ETM 4220 | Applied Energy Systems | 4 hrs |
| ETM 4331C | Applied Fluid Mechanics | 4 hrs |
| GIS 3043C | GIS for Environmental Studies | 3 hrs |

5. Departmental Graduation Requirement (3 hrs)

(C (2.0) or better grades are required in all courses)

- | | | |
|-----------|-----------------------|-------|
| ETG 4950C | Senior Design Project | 3 hrs |
|-----------|-----------------------|-------|
- A grade of 2.0 or better is required for all prerequisites.

6. Foreign Language Requirements (0-8 hrs)

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**

7. Approved Technical Electives

Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

8. University Minimum Graduation Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required **128 hrs**

Related Programs: Engineering Technology (Operations Concentration)

Related Minors: Interdisciplinary Informatics Technology

Transfer Notes:

- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in this catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly scheduled 3000- or 4000-level courses taken from the UCF ENT Department.
- PHY 2048/L and 2049/L substitute for PHY 2053C and PHY 2054C respectively.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

UCF Degree Programs

Tentative Course Schedule for the Operations Concentration

The tentative course schedule listed below is a guide for those students who plan on completing their engineering technology degree requirements in four years. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

| | | | |
|-----------------------------------|------------------|--------------------------------|------------------|
| Freshman Year | | | |
| Fall | 13 hrs | Spring | 13 hrs |
| ENC 1101 Composition I | 3 | ENC 1102 Composition II | 3 |
| MAC 1105 College Algebra | 3 | CHM 1032 General Chemistry | 4 |
| Biological science | 4 | MAC 1114 Trigonometry | 3 |
| Cultural/Historical Foundation | 3 | Social Foundation | 3 |
| Sophomore Year | | | |
| Fall | 13/14 hrs | Spring | 12/13 hrs |
| SPC 1600 Oral Communications | 3 | Cultural/Historical Foundation | 3 |
| PHY 2053C College Physics I | 4 | STA 2023 Statistical Methods | 3 |
| Cultural/Historical Foundation | 3 | MAP 3401 Problem Analysis | 3/4 |
| MAC 2253 Applied Calc I | 3/4 | or MAC 2312 Calculus II | 3 |
| or MAC 2311 Calc w Anly Geo | | or MAC 2254 Applied Calc II | |
| | | ETI 3671 Tech Econ Analysis | |
| Summer | | | |
| | 10 hrs | | |
| ETI 3116 App Eng Quality Assur | 3 | | |
| ENC 3241 Writing Tech Pros | 3 | | |
| Lower level elective | 4 | | |
| Junior Year | | | |
| Fall | 16 hrs | Spring | 16 hrs |
| EET 3085C Electricity and Electro | 4 | Upper level elective | 3 |
| Lower level elective | 3 | CET 2364 Sys Appl in C | 3 |
| Social Foundation | 3 | ETI 4635 Tech Admin | 3 |
| ETG 3541 Applied Mechanics | 3 | ETI 3690 Technical Sales | 3 |
| ETD 3350C Appl CAD | 3 | Lower level elective | 4 |
| Summer | | | |
| | 6 hrs | | |
| ETI 4700 Occup Safety | 3 | | |
| ETI 4448 Applied Proj Mgmt | 3 | | |
| Senior Year | | | |
| Fall | 15 hrs | Spring | 14 hrs |
| ETI 4205 App Logistics | 3 | ETG 4950C Sr Design Proj | 3 |
| ETI 4640 Operations Mgmt | 3 | ETI 4186 Applied Reliability | 3 |
| EST 3543C Programmable Logic Cont | 3 | Upper level elective | 4 |
| Upper level elective | 3 | Upper level elective | 4 |
| Upper level elective | 3 | | |

ENGINEERING TECHNOLOGY - SPACE SCIENCES CONCENTRATION (B.S.E.T.)

College of Engineering and Computer Science

Engineering Technology (ENT) Department

<http://www.ent.ucf.edu>

Coordinator: Dr. Eduardo Divo, 407-823-4753,

Email: edivo@mail.ucf.edu

Admission Requirements none

Degree Requirements

- Students should check with their ENT advisor frequently to insure that they are making proper progress toward the degree.
- A grade of "C" (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (36+2 hrs)

| | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| 1. ENC 1101, ENC 1102 | |
| 2. Prefer SPC 1016 | |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| 1. Select MAC 1105 | |
| 2. Select STA 2023 | |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 8 hrs |
| 1. Select PHY 2053C or PHY 2048 | |
| 2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310 | |

2. Common Program Prerequisites (CPP) (6/8 hrs)

| | |
|---|---------|
| (C (2.0) or better grades are required in all courses) | |
| MAC 2253 Calculus I | 3/4 hrs |
| or MAC 2311 Calculus w/Analytical Geometry I | |
| MAC 2254 Applied Calculus II or equiv | 3/4 hrs |
| or MAC 2312 Calculus w/Analytical Geometry II | |
| PHY 2053C College Physics I/Lab | GEP |
| or PHY 2048/L Physics for Engrs & Scientists I | |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Engineering Technology Core Requirements (21 hrs)

| | | |
|---|-------|-----|
| ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310 | | GEP |
| ENC 3241 Writing for the Technical Professional | 3 hrs | |
| MAC 1105 College Algebra | GEP | |
| MAC 1114 College Trigonometry | 3 hrs | |
| MAC 2253 Applied Calculus I | CPP | |
| or MAC 2311 Calculus w/Analytical Geometry I | | |
| MAP 3401 Problem Analysis | CPP | |
| or MAC 2312 Calculus w/Analytical Geometry II | | |
| PHY 2053C College Physics I | GEP | |
| ETG 3541 Applied Mechanics | 3 hrs | |
| ETI 4635 Technical Administration | 3 hrs | |
| ETI 3671 Technical Economic Analysis | 3 hrs | |
| ETI 3116 Applied Engineering Quality Assurance | 3 hrs | |
| ETI 4448 Project Management | 3 hrs | |

4. Technical Specialization (60 hrs) (C (2.0) or better grades are required in all courses except lower level technical electives)

Lower Level Required and Elective Courses (26 hrs)

| | |
|--|-------|
| EST 3543C Prog Logic Controllers | 3 hrs |
| CHM 1032, 1032L General Chemistry with Lab | 4 hrs |
| CET 2364 Systems Appl. in C | 3 hrs |
| EET 3085C Electricity and Electronics | 4 hrs |
| AST 2002 Astronomy | 3 hrs |
| STA 2023 Statistical Methods I | GEP |
| Approved Lower Level Technical Electives | 9 hrs |

Upper Level Required and Elective Courses (22 hrs)

| | |
|---------------------------------------|-------|
| ETD 3350C Applied CADD | 3 hrs |
| EMA 4103 Space Environment | 3 hrs |
| ETM 4220 Applied Energy Systems | 4 hrs |
| ETI 4838 Flight Dynamics Technology | 3 hrs |
| STI 4381 Ground System Design | 3 hrs |
| ETI 4835 Rocket Propulsion Technology | 3 hrs |
| ETI 4836 Space Systems Technology | 3 hrs |

Upper Level Technical Electives (Select 4) (12 hrs)

| | |
|---|-------|
| ETG 3533C Applied Engineering Strength of Materials | 4 hrs |
| EST 4502C Metrology & Instrumentation | 4 hrs |
| ETI 4150 Spacecraft QA and Testing | 3 hrs |
| ETI 4381 Ground System Design | 3 hrs |
| EST 3222 Intro to Photonics | 3 hrs |

5. Departmental Graduation Requirement (3 hrs)

(C (2.0) or better grades are required in all courses)

| | |
|---------------------------------|-------|
| ETG 4950C Senior Design Project | 3 hrs |
|---------------------------------|-------|

A grade of 2.0 or better is required for all prerequisites.

6. Foreign Language Requirements (0-8 hrs)

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

7. Approved Technical Electives

Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

8. University Minimum Graduation Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required 128 hrs

Related Programs: Engineering Technology (Operations Concentration).

Related Minors: none

Transfer Notes:

- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in this catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly scheduled 3000- or 4000-level courses taken from the UCF ENT Department.
- PHY 2048/L and 2049/L substitute for PHY 2053C and PHY 2054C respectively.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/aic/academic_learning_compacts.htm

Tentative Course Schedule for the Space Sciences

Concentration

The tentative course schedule listed below is a guide for those students who plan on completing their engineering technology degree requirements in four years. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year

| | | | |
|--------------------------------|--------|----------------------------|--------|
| Fall | 13 hrs | Spring | 13 hrs |
| ENC 1101 Composition I | 3 | ENC 1102 Composition II | 3 |
| MAC 1105 College Algebra | 3 | CHM 1032 General Chemistry | 4 |
| Biological science | 4 | MAC 1114 Trigonometry | 3 |
| Cultural/Historical Foundation | 3 | Social Foundation | 3 |

Sophomore Year

| | | | |
|--------------------------------|-----------|--------------------------------|-----------|
| Fall | 13/14 hrs | Spring | 15/16 hrs |
| SPC 1600 Oral Communications | 3 | Cultural/Historical Foundation | 3 |
| PHY 2053C College Physics I | 4 | STA 2023 Statistical Methods | 3 |
| Cultural/Historical Foundation | 3 | MAP 3401 Problem Analysis | 3/4 |
| MAC 2253 Applied Calc I | 3/4 | or MAC 2312 Calculus II | |
| or MAC 2311 Calc w Anly Geo | | or MAC 2254 Applied Calc II | |
| | | AST 2002 Astronomy | 3 |
| | | Lower level elective | 3 |

Summer

| | | | |
|--------------------------------|-------|--|--|
| | 9 hrs | | |
| ETI 3116 App Eng Quality Assur | 3 | | |
| ENC 3241 Writing Tech Pros | 3 | | |
| Lower level elective | 3 | | |

Junior Year

| | | | |
|-----------------------------------|--------|-------------------------------|--------|
| Fall | 16 hrs | Spring | 15 hrs |
| EET 3085C Electricity and Electro | 4 | Upper level elective | 3 |
| Lower level elective | 3 | CET 2364 Sys Appl in C | 3 |
| Social Foundation | 3 | ETI 3671 Tech Econ Analysis | 3 |
| ETG 3541 Applied Mechanics | 3 | ETI 4838 Flight Dynamics Tech | 3 |
| ETD 3350C Appl CAD | 3 | ETI 4635 Tech Admin | 3 |
| Summer | 6 hrs | | |
| ETI 4448 Project Management | 3 | | |
| Upper level elective | 3 | | |

Senior Year

| | | | |
|--------------------------------|--------|----------------------------|--------|
| Fall | 15 hrs | Spring | 13 hrs |
| ETI 4835 Rocket Prop Tech | 3 | ETG 4950C Sr Design Proj | 3 |
| EST 3543C Prog Log Control | 3 | ETM 4220 Energy Systems | 4 |
| ETI 4836 Space Systems Tech | 3 | EMA 4103 Space Environment | 3 |
| ETI 4381 Ground Systems Design | 3 | Upper level elective | 3 |
| Upper level elective | 3 | | |

ENGLISH - CREATIVE WRITING (B.A.)

College of Arts and Humanities

English Department, CNH 301

<http://english.ucf.edu>

E-mail: english@ucf.edu

Contact: D. Trouard, 407-823-2212

Admission Requirements

none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students must earn at least a "C" (2.0) in each required course
- Co-op or internship credit cannot be used in the major without prior approval from the department
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

Honors in English Degree: Additional Requirements (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

1. UCF General Education Program (36 hrs)

| | |
|---|-------|
| A. Communication Foundations | |
| Select ENC 1101 and ENC 1102 | 6 hrs |
| Prefer SPC 1600 Fund of Oral Com | 3 hrs |
| B. Cultural and Historical Foundations | |
| Select one class from 1.B.1 list | 3 hrs |
| Prefer LIT 2110 World Literature I | 3 hrs |
| Prefer LIT 2120 World Literature II | 3 hrs |
| C. Mathematical Foundations | |
| Prefer MGF 1106 Finite Mathematics (may substitute a higher level math) | 3 hrs |
| Prefer STA 1060C Statistics Using Excel | 3 hrs |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 6 hrs |

2. Common Program Prerequisites

| | | |
|-----------|-----------------|-----|
| ENC 1101* | Composition I | GEP |
| ENC 1102 | *Composition II | GEP |

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements (6 hrs)

- CRW 3013 Creative Writing for English Majors
- ENG 3014 Theory & Tech of Literary Study
- This is a prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

4. Literary History Requirement (12 hrs)

Choose four courses from these two groupings

- a. Select at least one of these pre-1865 literature courses.

| | |
|----------|--------------------------------------|
| AML 3031 | American Literature I |
| AML 3613 | Narratives of Slavery |
| AML 4304 | Whitman & Heirs |
| ENL 2012 | English Literature I |
| ENL 4220 | English Renaissance Poetry and Prose |
| ENL 4230 | Eighteenth Century Studies |
| ENL 4240 | English Romantic Writers |
| ENL 4311 | Chaucer |
| ENL 4333 | Shakespeare |
| ENL 4341 | Milton and His Age |
| LIT 4374 | Literature of the Bible |
- b. Select at least one of these post 1865 literature courses

| | |
|----------|---|
| AML 3041 | American Literature II |
| AML 3283 | Contemp American Women's Fiction |
| AML 3614 | Topics in African American Literature |
| AML 3615 | Harlem, Haiti, and Havana |
| AML 3640 | Native American Literature |
| AML 4101 | American Novel |
| AML 4153 | American Poetry at Mid-Century |
| AML 4155 | Modern American Poetry |
| AML 4261 | Literature of the South |
| AML 4265 | Florida Writers |
| AML 4321 | Modern American Literature |
| AML 4630 | Latino/Latina Literature |
| ENL 2022 | English Literature II |
| ENL 4101 | English Novel |
| ENL 4253 | The Victorian Age: Poetry |
| ENL 4262 | Nineteenth Century British Prose |
| ENL 4273 | Modern British Literature |
| LIT 3082 | Continental European Fiction Since 1900 |
| LIT 3192 | Caribbean Literature |
| LIT 4043 | Modern Drama as Literature |

UCF Degree Programs

LIT 4184 Irish Literature
LIT 4303 Post-World War II Fiction

Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

5. Restricted Electives

(18 hrs)

a. Choose one of the following:

3 hrs

LIN 3010 Intro to Linguistics
LIN 4105 History of the English Language
LIN 4643 Cross Cultural Communication
LIN 4660 Linguistics and Literature
LIN 4680 Modern English Grammar
ENC 3211 Theory and Practice of Tech Writing
ENC 3241 Writing for the Technical Professional
ENC 3310 Magazine Writing I
ENC 3311 Advanced Expository Writing
ENG 3010 Practical Criticism
LIT 4554 Advanced Feminist Theory

b. Choose two of the following:

6 hrs

CRW 3120 Fiction Writing Workshop
CRW 3211 Creative Nonfiction Writing
CRW 3310 Poetry Writing Workshop

c. Choose two of the following:

6 hrs

CRW 4122 Adv Fiction Writing Workshop
CRW 4224* Adv Creative Nonfiction Writing
CRW 4320 Adv Poetry Writing Workshop

*May take ENC 4360 instead of CRW 4224 but not both

d. Choose one of the following:

3 hrs

CRW 3311 Structure of Verse
CRW 3610 Writing Scripts
CRW 3540 Literary Magazines
CRW 4114 History of Prose Style

or any 3000 or 4000 CRW course not used to fulfill another requirement

6. Departmental Exit Requirements

Maintain a minimum GPA of 2.0 in upper division required courses
Computer Competency met by completion of CRW 3013

7. Foreign Language Requirements

(0-8 hrs)

Admission: 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

(variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120 hrs

Related Programs: Technical Communication, Literature

Related Minors: Linguistics, Technical Writing, Writing

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 common program prerequisites to the BA in Creative Writing if taken prior to transferring to UCF:
ENC 1101* & 1102*: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. ENC 1101 & 1102, however, are prerequisites for all subsequent English courses and will need to be taken for the major.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oemas.ucf.edu/alc/academic_learning_compacts.htm

Suggested 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 | | Spring | |
| ENC 1101 Composition I | 3 | CHM 1020* req# 1E1-GEP | 3 |
| HUM 2210* req# 1B1-GEP | 3 | ENC 1102 Composition II | 3 |
| MGF 1106* req# 1C1-GEP | 3 | LIT 2110 World Literature I | 3 |
| POS 2041* req# 1D1-GEP | 3 | STA 1060C Stat Using Excel | 3 |
| SPC 1600* req# 1A3-GEP | 3 | SPN 1120C* req# Lang/Elect | 4 |

Sophomore Year

| | | | |
|------------------------------|---|----------------------------|---|
| Fall | | Spring | |
| BSC 1005* req# 1E2-GEP | 3 | CRW 3013 Creatv Wr Eng Maj | 3 |
| LIT 2120 World Lit II | 3 | AML 3031* req# 4a-LitHis | 3 |
| PSY 2012* req# 1D2-GEP | 3 | ENL 2012* req# 4a-LitHis | 3 |
| Elective* Check restrictions | 3 | SPN 1121C* req# Lang/Elect | 3 |
| SPN 1121C* req# Lang/Elect | 4 | SPN 2200* req# Lang/Elect | 3 |

Junior Year

| | | | |
|------------------------------|---|------------------------------|---|
| Fall | | Spring | |
| ENG 3014 Theor Tech of St | 3 | ENL 2022* req# 4b-LitHis | 3 |
| AML 3041* req# 4b-LitHis | 3 | CRW 3120* req# 5b-ResEI | 3 |
| CRW 3211* req# 5b-ResEI | 3 | CRW 4224* req# 5c-ResEI | 3 |
| Elective* Check restrictions | 3 | Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 | Elective* Check restrictions | 3 |

Senior Year

| | | | |
|------------------------------|---|------------------------------|---|
| Fall | | Spring | |
| LIN 4105* req# 5a-ResEI | 3 | CRW 3610* req# 5d-ResEI | 3 |
| CRW 4122* req# 5c-ResEI | 3 | Elective* Check restrictions | 4 |
| Elective* Check restrictions | 3 | Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 | Elective* Check restrictions | 3 |

ENGLISH LANGUAGE ARTS EDUCATION (B.S.)

College of Education

Department of Teaching and Learning Principles, ED 209

<http://education.ucf.edu/englished/>

Program Coordinator: Dr. Jeff Kaplan, ED 122B, 407-823-2041,

E-mail: jkaplan@mail.ucf.edu

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 and/or CLAST examination (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

(36 hrs)

| | |
|---|---------|
| A. Communication Foundation | (9 hrs) |
| 1. ENC 1101 English Composition I | 3 hrs |
| 2. ENC 1102 English Composition II | 3 hrs |
| 3. Prefer SPC 1600 Fundamentals of Oral Communication | 3 hrs |
| B. Cultural-Historical Foundation | (9 hrs) |
| 1. Prefer: AMH 2010 U.S. History 1492-1877 | 3 hrs |
| 2. Select: LIT 2110 World Literature I | 3 hrs |
| 3. Prefer: AMH 2020 U.S. History 1877-present | 3 hrs |

| | |
|---|---------|
| C. Mathematical Foundation | (6 hrs) |
| 1. Prefer: MGF 1106 Finite Mathematics | 3 hrs |
| 2. Prefer: STA 1060C Basic Statistics using MS Excel <i>or</i> STA 2014C Principles of Statistics | 3 hrs |
| D. Social Foundation | (6 hrs) |
| 1. Prefer: POS 2041 American National Government | 3 hrs |
| 2. Prefer: PSY 2012 General Psychology | 3 hrs |
| E. Science Foundation | (6 hrs) |
| 1. Prefer: PSC 1121 Physical Science | 3 hrs |
| 2. Prefer: ANT 2511 The Human Species <i>or</i> BSC 1005 Biological Principles | 3 hrs |

Note: Students are advised to take the preferred courses.

| | |
|--|----------------|
| 2. Education Common Program Prerequisites | (9 hrs) |
| EDF 2005 Introduction to Education | 3 hrs |
| EDG 2701 Teaching Diverse Populations | 3 hrs |
| EME 2040 Technology for Educators | 3 hrs |

Note: In addition to EDG 2701, 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.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

| | |
|--|-----------------|
| 3. Other Program Requirements | (12 hrs) |
| EDF 2130* Child & Adolescent Development for Educators | 3 hrs |
| LIT 2110 World Literature I | GEP |
| LIT 2120 World Literature II | 3 hrs |
| ENL 2012 English Literature I | 3 hrs |
| ENL 2022 English Literature II | 3 hrs |

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

| | |
|--|-----------------|
| 4. Education Core Requirements | (21 hrs) |
| EDG 4410** Teaching Strategies and Classroom Mgmt | 3 hrs |
| EDF 4467** Learning Theory and Assessment | 3 hrs |
| EDF 4603 Analysis and Applications 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 Sec Settings | 3 hrs |
| RED 4043 Content Reading Kindergarten through Gr 12 | 3 hrs |
| TSL 4240 Issues in Second Language Acquisition | 3 hrs |

**Prerequisite for Internship I

| | |
|--|-----------------|
| 5. Specialization Requirements | (21 hrs) |
| CRW 3013 Intro Creative Writing | 3 hrs |
| ENG 3014 Theories of Literature | 3 hrs |
| AML 3031 American Literature I | 3 hrs |
| AML 3041 American Literature II | 3 hrs |
| ENC 3311 Advanced Expository Writing | 3 hrs |
| LAE 4361 Literacy Strategies for Middle and High Schools | 3 hrs |
| LAE 4464*** Introduction to Adolescent Literature | 3 hrs |

***Community college transfer students may substitute a lower division English elective.

- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, TSL 4080 Theory and Practice of Teaching ESOL Students in Schools, and LAE 4464 Introduction to Adolescent Literature with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended during the first semester (if CLAST was used for admission) and before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.clinicalexperiences.education.ucf.edu>.

| | |
|---|----------------|
| 6. Internship I Block | (9 hrs) |
| LAE 3940 Internship I | 3 hrs |
| LAE 4360 English Instructional Analysis | 3 hrs |
| LAE 4342 Teaching Language/Composition | 3 hrs |

- All methods courses and at least 80% of all specialization courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.clinicalexperiences.education.ucf.edu>.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 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.

| | |
|-------------------------|-----------------|
| 7. Internship II | (12 hrs) |
| LAE 4941 Internship II | 12 hrs |

- | | |
|---|------------------|
| 8. Foreign Language Requirements | (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.)

- | |
|--|
| 9. 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.

- | |
|---|
| 10. University Minimum Exit Requirements |
|---|
- A 2.0 UCF GPA
 - 48 semester hours of upper division credit completed
 - 30 of the last 36 hours of course work must be completed in residency at UCF
 - 25% of course work must be completed in residency at UCF
 - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

- | | |
|--|----------------|
| 11. Total Semester Hours Required | 120 hrs |
|--|----------------|
- Consult with your Education advisor and review your degree audit for more recent information.

- | |
|---|
| Program Academic Learning Compacts |
|---|
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

| | | | |
|--|----------|-----------------------------------|----------|
| 12. Recommended Four Year Sequence of Courses | | | |
| Freshman Year | | | |
| Fall | (12 hrs) | Spring | (12 hrs) |
| EDF 2005 Introduction to Education | 3 | EDG 2701 Teaching Diverse Pop | 3 |
| ENC 1101 English Composition I | 3 | ENC 1102 English Composition II | 3 |
| MGF 1106 Finite Mathematics | 3 | POS 2041 Amer National Govt | 3 |
| PSY 2012 General Psychology | 3 | PSC 1121 Physical Science | 3 |
| Summer (6 hrs) | | | |
| EME 2040 Tech for Educators | 3 | | |
| LIT 2110 World Literature I | 3 | | |
| Sophomore Year | | | |
| Fall | (15 hrs) | Spring | (12 hrs) |
| AMH 2010 U.S. History 1492-1877 | 3 | AMH 2020 US History 1877-present | 3 |
| ANT 2511 The Human Species <i>or</i> | 3 | ENL 2012 English Literature I | 3 |
| BSC 1005 Biological Principles | 3 | EDF 2130 Child & Adol Dev for Ed* | 3 |
| LIT 2120 World Literature II | 3 | AML 3031 American Literature I | 3 |
| SPC 1600 Fun of Oral Comm | 3 | | |
| STA 2014C Principles of Statistic <i>or</i> | 3 | | |
| STA 1060C Basic Stat MS Excel | | | |

UCF Degree Programs

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

**Note: Community college transfer students may substitute a 2XXX elective.

Summer (6 hrs)
 TSL 4080 Theory & Prac of Teach ESOL 3
 Students in Schools
 ENL 2022 English Literature II 3

Junior Year

| | |
|--|--|
| Fall (15 hrs) | Spring (15 hrs) |
| CRW 3013 Intro Creative Writing 3 | AML 3041 American Literature II 3 |
| TSL 4240 Issues in Second Language Acquisition 3 | ENC 3311 Adv Expository Writ or LIN 4105 History of Eng Lang 3 |
| EDF 4467 Learn Theory & Assmt 3 | LAE 4361 Lit Strat for Mid & Hi Sch 3 |
| EDG 4410 Teach Strat & Class Mgmt 3 | EDF 4603 Anal & Appl of Eth, Legal, & Safe Issues in Sch 3 |
| LAE 4242 Intro to Adol Literature 3 | RED 4043 Content Reading K 12 3 |

Summer (3 hrs)
 ENG 3014 Theories of Literature 3

Senior Year

| | |
|--|------------------------|
| Fall (12 hrs) | Spring (12 hrs) |
| LAE 3940 Internship I 3 | LAE 4941 Intern II 12 |
| LAE 4360 Eng Instructional Anal 3 | |
| LAE 4342 Teach Lang/Composition 3 | |
| EEX 4242 Teach Ex Stud in Sec Settings 3 | |

ENGLISH - LITERATURE (B.A.)

College of Arts and Humanities
 English Department, CNH 301

<http://english.ucf.edu>

E-mail: english@ucf.edu

Contact: D. Trouard, 407-823-2212

Admission Requirements

none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit is not accepted in the major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Honors in English Degree:

Additional Requirements (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

1. UCF General Education Program (36 hrs)

- | | |
|---|-------|
| A. Communication Foundations | |
| Select ENC 1101 and ENC 1102 | 6 hrs |
| Prefer SPC 1600 Fund of Oral Com | 3 hrs |
| B. Cultural and Historical Foundations | |
| Select one class from 1.B.1 list | 3 hrs |
| Prefer LIT 2110 World Literature I | 3 hrs |
| Prefer LIT 2120 World Literature II | 3 hrs |
| C. Mathematical Foundations | |
| Select MGF 1106 Finite Mathematics (may substitute a higher level math) | 3 hrs |
| Prefer STA 1060C Statistics Using Excel | 3 hrs |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 6 hrs |

2. Common Program Prerequisites

- | | |
|-------------------------|-----|
| ENC 1101*Composition I | GEF |
| ENC 1102*Composition II | GEF |

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core - Gateway Courses (6 hrs)

- | | |
|--|-------|
| a. Prerequisite for all 4000 level AML, ENG, ENL, or LIT courses | 3 hrs |
| ENG 3014 Theory & Tech of Literary Study | |
| b. Choose one gateway course: | 3 hrs |
| CRW 3013 Creative Writing for English Majors | |
| ENC 3211 Theory & Practice of Tech Writing | |

4. Literary History Requirement (15 hrs)

Choose five courses from the two groupings

- | | |
|--|--|
| a. Select at least two of these pre-1865 literature courses. | |
| AML 3031 American Literature I | |
| AML 3613 Narratives of Slavery | |
| AML 4304 Whitman & Heirs | |
| ENL 2012 English Literature I | |
| ENL 4220 English Renaissance Poetry and Prose | |
| ENL 4230 Eighteenth Century Studies | |
| ENL 4240 English Romantic Writers | |
| LIT 4374 Literature of the Bible | |
| b. Select at least two of these post 1865 literature courses | |
| AML 3041 American Literature II | |
| AML 3283 Contemp American Women's Fiction | |
| AML 3614 Topics in African American Literature | |
| AML 3615 Harlem, Haiti, and Havana | |
| AML 3640 Native American Literature | |
| AML 4101 American Novel | |
| AML 4153 American Poetry at Mid-Century | |
| AML 4155 Modern American Poetry | |
| AML 4261 Literature of the South | |
| AML 4265 Florida Writers | |
| AML 4321 Modern American Literature | |
| AML 4630 Latino/Latina Literature | |
| ENL 2022 English Literature II | |
| ENL 4101 English Novel | |
| ENL 4253 The Victorian Age: Poetry | |
| ENL 4262 Nineteenth Century British Prose | |
| ENL 4273 Modern British Literature | |
| LIT 3082 Continental European Fiction Since 1900 | |
| LIT 3192 Caribbean Literature | |
| LIT 4043 Modern Drama as Literature | |
| LIT 4184 Irish Literature | |
| LIT 4303 Post-World War II Fiction | |

Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

5. Upper Division Requirements (15 hrs)

- | | |
|--|-------|
| a. Choose one single author or major author course | 3 hrs |
|--|-------|

Note: Each semester, additional courses may satisfy this requirement.

Check with advisor for details.

- | | |
|---|-------|
| AML 4300 Major American Authors | |
| ENL 4311 Chaucer | |
| ENL 4341 Milton | |
| ENL 4333 Shakespeare | |
| b. Choose one linguistics or theory course: | 3 hrs |
| ENG 3010 Practical Criticism | |
| LIN 3010 Principles of Linguistics | |
| LIN 4105 History of the English Language | |
| LIN 4643 Cross Cultural Communication | |
| LIN 4660 Linguistics and Literature | |
| LIN 4680 Modern English Grammar | |
| LIT 4554 Advanced Feminist Theory | |
| c. Choose three upper level courses: | 9 hrs |
| AML, ENL, or LIT prefix | |

6. Departmental Exit Requirements

Maintain a minimum GPA of 2.0 in upper division required courses.
 Computer Competency met by completion of ENG 3014.

7. Foreign Language Requirements (0-8 hrs)

Admission: 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 (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required **120 hrs**

Related Programs: Creative Writing, Technical Communication

Related Minors: Creative Writing, Linguistics, Technical Writing, Writing

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 common program prerequisites to the BA in Literature if taken prior to transferring to UCF:

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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Suggested 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 | Spring | | |
|------------------------|-------------------------------|---|--|
| ENC 1101 Composition I | 3 CHM 1020* req# 1E1-GEP | 3 | |
| HUM 2210* req# 1B1-GEP | 3 ENC 1102 Composition II | 3 | |
| MGF 1106* req# 1C1-GEP | 3 LIT 2110 World Literature I | 3 | |
| POS 2041* req# 1D1-GEP | 3 STA 1060C Stat Using Excel | 3 | |
| SPC 1600* req# 1A3-GEP | 3 SPN 1120C* req# Lang/Elect | 4 | |

Sophomore Year

| Fall | Spring | | |
|------------------------------|--------------------------------|---|--|
| BSC 1005* req# 1E2-GEP | 3 ENG 3014 Theor Tech of St | 3 | |
| LIT 2120 World Lit II | 3 AML 3031* req# 4a-Hist | 3 | |
| PSY 2012* req# 1D2-GEP | 3 AML 3041* req# 4b-His | 3 | |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 | |
| SPN 1121C* req# Lang/Elect | 4 SPN 2200* req# Lang/Elect | 3 | |

Junior Year

| Fall | Spring | | |
|------------------------------|--------------------------------|---|--|
| CRW 3013* req# 3-Core | 3 ENL 2012* req# 4a-Hist | 3 | |
| ENL 2022* req# 4b-Hist | 3 AML 4261* req# 4b-Hist | 3 | |
| LIN 4105* req# 5b-UD | 3 ENL 4333* req# 5a-UD | 3 | |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 | |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 | |

Senior Year

| Fall | Spring | | |
|------------------------------|--------------------------------|---|--|
| AML 4101* req# 5c-UD | 3 LIT 3383* req# 5c-UD | 3 | |
| ENL 4253* req# 5c-UD | 3 Elective* Check restrictions | 3 | |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 | |
| Elective* Check restrictions | 3 Elective* Check restrictions | 4 | |
| Elective* Check restrictions | 3 | | |

ENGLISH - TECHNICAL COMMUNICATION (B.A.)

College of Arts and Humanities

English Department, CNH 301

<http://english.ucf.edu>

E-mail: english@ucf.edu

Contact: D. Trouard, 407-823-2212

Admission Requirements **none**

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Honors in English Degree: Additional Requirements (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.

1. UCF General Education Program (36 hrs)

- A. Communication Foundations
 - Select ENC 101, ENC 102 3 hrs
 - Prefer SPC 1600 Fund of Oral Com 3 hrs
- B. Cultural and Historical Foundations 9 hrs
- C. Mathematical Foundations 6 hrs
 - Prefer MGF 1106 Finite Mathematics (may substitute a higher level math) 3 hrs
 - Prefer STA 1060C Statistics Using Excel 3 hrs
- D. Social Foundations 6 hrs
- E. Science Foundations 6 hrs

2. Common Program Prerequisites

- ENC 1101* Composition I GEP
- ENC 1102* Composition II GEP

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core courses - Basic (6 hrs)

- Choose one of the following: 3 hrs
 - ENC 3211 Theory & Practice of TechWriting
 - OR**
 - ENC 3241 Writing for the Technical Professional
- Choose one of the following: 3 hrs
 - ENG 3014 Theory & Tech of Literary Study
 - OR**
 - CRW 3013 Creative Writing for English Majors

4. Literary History Requirement (9 hrs)

Choose three courses from these two groupings

a. Select at least one of these pre-1865 literature courses.

- AML 3031 American Literature I
- AML 3613 Narratives of Slavery
- AML 4304 Whitman & Heirs
- ENL 2012 English Literature I
- ENL 4220 English Renaissance Poetry and Prose
- ENL 4230 Eighteenth Century Studies
- ENL 4240 English Romantic Writers
- ENL 4311 Chaucer
- ENL 4333 Shakespeare
- ENL 4341 Milton and His Age
- LIT 4374 Literature of the Bible

b. Select at least one of these post 1865 literature courses

- AML 3041 American Literature II
- AML 3283 Contemp American Women's Fiction
- AML 3614 Topics in African American Literature
- AML 3615 Harlem, Haiti, and Havana
- AML 3640 Native American Literature
- AML 4101 American Novel
- AML 4153 American Poetry at Mid-Century
- AML 4155 Modern American Poetry
- AML 4261 Literature of the South
- AML 4265 Florida Writers
- AML 4321 Modern American Literature
- AML 4630 Latino/Latina Literature
- ENL 2022 English Literature II
- ENL 4101 English Novel
- ENL 4253 The Victorian Age: Poetry
- ENL 4262 Nineteenth Century British Prose
- ENL 4273 Modern British Literature
- LIT 3082 Continental European Fiction Since 1900

UCF Degree Programs

| | |
|----------|----------------------------|
| LIT 3192 | Caribbean Literature |
| LIT 4043 | Modern Drama as Literature |
| LIT 4184 | Irish Literature |
| LIT 4303 | Post-World War II Fiction |

Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

5. Core Requirements - Advanced (15 hrs)

| | | |
|----------|--|-------|
| ENC 4280 | Technical Writing Style | 3 hrs |
| ENC 4293 | Documentation and the Collaborative Process | 3 hrs |
| ENC 4294 | Documentation and Client-Based Collaboration | 3 hrs |
| LIT 4433 | Literature of Science and Technology | 3 hrs |

And choose one of the following:

| | | |
|----------|--|-------|
| ENC 4215 | Technical Publication and Project Management | 3 hrs |
| ENC 4218 | The Visual in Technical Communication | 3 hrs |

6. Restricted Upper Division Electives (3 hrs)

Choose one of the following:

| | |
|----------|---|
| ENC 3311 | Advanced Expository Writing |
| ENC 4262 | International Technical Communication |
| ENC 4265 | Writing for the Computer Industry |
| ENC 4290 | Usability Testing for Technical Communication |
| ENC 4414 | Writing and Hypertext |

Optional course

| | |
|----------|-----------------------------------|
| ENC 4941 | Tech Writing & Editing Internship |
|----------|-----------------------------------|

7. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in upper division required courses
- Computer Competency met by completion of ENC 4293

8. Foreign Language Requirements (0-8 hrs)

Admission: 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.

9. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

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 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Creative Writing, Literature

Related Minors: Creative Writing, Literature, Linguistics, Technical Writing, Writing

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 common program prerequisites to the BA in Technical Writing if taken prior to transferring to UCF:

- 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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alac/academic_learning_compacts.htm

ENVIRONMENTAL ENGINEERING (B.S.Env.E.)

College of Engineering and Computer Science
Civil, Environmental, and Construction Engineering
Department (CECE)

ENG2 211, 407-823-2841; Fax: 407-823-3315

<http://www.cee.ucf.edu>

Undergraduate Coordinator and Academic Advisor: Carol Ann Pohl,
E-mail: cpohl@mail.ucf.edu; Environmental Program Director:
C. David Cooper, Ph.D., P.E., E-mail: cooper@mail.ucf.edu

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 for Engineering Students (36+2 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 |
| 1. ENC 1101 & ENC 1102 | |
| 2. Prefer SPC 1016 | |
| B. Cultural and Historical Foundations | 9 hrs |
| 1. Select two courses from Historical Foundations | |
| 2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1000, REL 2300, PHI 2010, LIT 2110, <i>or</i> LIT 2120 | |
| C. Mathematical Foundations | 7 hrs |
| 1. Select MAC 2311 (PR: MAC 1114) | |
| 2. Select STA 3032 (PR: MAC 2312) | |
| D. Social Foundations | 6 hrs |
| 1. Prefer ECO 2013 <i>or</i> ECO 2023. | |
| 2. ANT 2000, PSY 2012, <i>or</i> SYG 2000. | |
| E. Science Foundations 7 hrs | |
| 1. Select PHY 2048/48L (PR: MAC 2311) | |
| 2. Prefer GEO 1200 | |

(Note: Environmental Engineering Majors must satisfy both an Earth Science requirement AND a Biological Science requirement).

2. Common Program Prerequisites (CPP's) (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 sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

| | | |
|--------------------|---------------------------------------|-------|
| CHM 2045C/45L | Chemistry Fundamentals I | 4 hrs |
| <i>or</i> CHS 1440 | Fund of Chemistry for Engineers | |
| MAC 2311 | Calculus with Analytic Geometry I | 4 hrs |
| MAC 2312 | Calculus with Analytic Geometry II | 4 hrs |
| MAC 2313 | Calculus with Analytic Geometry III | 4 hrs |
| MAP 2302 | Differential Equations | 3 hrs |
| PHY 2048/48L | Physics for Engineers & Scientists I | GEP |
| PHY 2049/49L | Physics for Engineers & Scientists II | 4 hrs |
| ENC 1101 | Composition I | GEP |
| ENC 1102 | Composition II | GEP |
| | Humanities Courses | GEP |
| | Social Science Courses | GEP |
| | Humanities or Social Sciences | GEP |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Courses Required for the Major (57 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 technical elective courses listed in 4. below and with the senior design courses listed in 5. below. Independent study courses generally do satisfy major requirements and normally are awarded grades of I, S, or U. A "C" (2.0) better is required for those courses in section 3. marked with an asterisk(*).

| | | |
|-----------|-------------------------------------|------|
| EGN 1006C | Intro to the Engineering Profession | 1 hr |
| EGN 1007C | Engineering Concepts & Methods | 1 hr |

| | | | |
|--------------|--|-------|-----|
| CHM 2045C | Chemistry Fundamentals I w/Lab | 4 hrs | CPP |
| CHM 2046/46L | Chemistry Fundamentals II w/Lab | 4 hrs | GEP |
| | Earth Science | 3 hrs | |
| | Biological Science | 3 hrs | |
| EGN 3310* | Engineering Analysis - Statics | 3 hrs | |
| EGN 3321 | Engineering Analysis - Dynamics | 3 hrs | |
| EGN 3331 | Mechanics of Materials | 3 hrs | |
| EGN 3343 | Thermodynamics | 3 hrs | |
| EGN 3613 | Engineering Economic Analysis | 2 hrs | |
| EGN 3373 | Principles of Electrical Engineering | 3 hrs | |
| CCE 4003 | Intro to the Construction Industry | 3 hrs | |
| ENV 3001* | Intro to Environmental Engineering | 3 hrs | |
| STA 3032 | Probability & Statistics for Engineers | GEP | |
| CWR 3201 | Engineering Fluid Mechanics | 3 hrs | |
| CWR 4101C | Hydrology | 3 hrs | |
| CWR 4203C | Hydraulics | 3 hrs | |
| EES 4111C | Biological Process Control | 3 hrs | |
| EES 4202C | Chemical Process Control | 3 hrs | |
| ENV 4120 | Air Pollution Control | 3 hrs | |
| ENV 4341 | Solid Waste Management | 3 hrs | |
| ENV 4561 | Environmental Engrng-Process Design | 4 hrs | |

Note: Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.

4. Approved Technical Electives (8 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.

5. Departmental Graduation Requirements (6 hrs)

Approved EnvE Design Course I 3 hrs
Approved EnvE Design Course II 3 hrs

- Earn a minimum graduating GPA of 2.250 in the Major Courses from item 3. above, the technical electives from item 4. above, and the Approved EnvE Design Courses.
- EnvE students must take the Fundamentals of Engineering Exam during their Senior year.

6. Foreign Language Requirements (0-8 hrs)

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

7. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: 128 hrs

Related Programs: Chemistry, Civil Engineering, Construction Engineering.

Related Minors: Chemistry, Environmental Studies, Mathematics, Engineering Leadership.

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.
- Courses transferred into the major must have a minimum grade of "C" (2.0).

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$76 per term
- Part-time Student\$38 per term

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 departmental academic advisor to develop and maintain an appropriate plan of study.

Environmental Engineering - 128 semester hours required

FIRST YEAR

| Fall | 14 hrs ¹ | Spring | 15 hrs ¹ |
|------------------------------------|---------------------|-------------------------------|---------------------|
| *ENC 1101 English Comp I | 3 | *ENC 1102 English Comp II | 3 |
| *MAC 2311 Calc w/Anal Geo I | 4 | *MAC 2312 Calc w/Anal Geo II | 4 |
| *ECO 2013 Macroeconomics <i>or</i> | 3 | *PHY 2048/L Phys Engr I w/lab | 4 |
| ECO 2023 Microeconomics | | *Earth Science | 3 |
| *Biological Science | 3 | EGN 1007C Eng Conc & Meth | 1 |
| EGN 1006C Intro to Engr | 1 | | |

SECOND YEAR

| Fall | 16 hrs ¹ | Spring | 17 hrs ¹ |
|-------------------------------|---------------------|------------------------------|---------------------|
| *MAC 2313 Calc w/Anal Geo III | 4 | *MAP 2302 Diff Equations | 3 |
| *CHM 2045C Chemistry Funds I | 4 | *CHM 2046/L Chem Fund II/lab | 4 |
| *HUM/AMH/EUH I | 3 | *PHY 2049/L Phys Engr&Sci II | 4 |
| EGN 3310 Engr Anal-Statics | 3 | *HUM/AMH/EUH II | 3 |
| EGN 3613 Engrng Econ Anal | 2 | EGN 3321 Engr Anal-Dynamics | 3 |
| Summer | | | |
| *SPC 1016 Tech Presentations | 3 | | |
| EGN 3343 Thermodynamics | 3 | | |
| ENV 3001 Intro to Environ Eng | 3 | | |

THIRD YEAR

| Fall | 15 hrs | Spring | 15 hrs ¹ |
|--------------------------------|--------|-------------------------------|---------------------|
| CWR 3201 Engr Fluid Mech | 3 | CWR 4101C Hydrology | 3 |
| ENV 4120 Air Pollution Contrl | 3 | CWR 4203C Hydraulics | 3 |
| STA 3032 Probly/Stats for Eng | 3 | EGN 3331 Mech of Materials | 3 |
| ENV 4341 Solid/Haz Waste | 3 | *Cultural/Historical Elective | 3 |
| CCE 4003 Intro to Constr Indus | 3 | EGN 3373 Prin Elec Eng | 3 |

FOURTH YEAR

| Fall | 13 hrs | Spring | 14 hrs |
|------------------------------|--------|------------------------------|--------|
| Technical Elective | 3 | Approved Proj Design Course | 3 |
| ENV 4561 Process Design | 4 | EES 4111C Biolgcl Proc Cntrl | 3 |
| EES 4202C Chmcl Proc Control | 3 | Technical Elective | 3 |
| Approved Proj Design Course | 3 | Technical Elective | 2 |
| | | *ANT/PSY/SYG | 3 |

Notes:

1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in this catalog for further information.
2. EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 4. Approved Technical Electives.
3. Students must earn a minimum grade of "C" (2.0) in EGN 3310 or its equivalent and ENV 3001 or its equivalent before registering for subsequent courses.

BS to PhD Program

The Environmental Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master's followed by the PhD.

ENVIRONMENTAL STUDIES TRACK

See **Interdisciplinary Studies – Environmental Studies Track**

UCF Degree Programs

EVENT MANAGEMENT (B.S.)

Rosen College of Hospitality Management
9907 Universal Boulevard
Orlando, Florida 32819
407-903-8000

<http://www.hospitality.ucf.edu>

E-mail: hospitality@mail.ucf.edu

Dean: Abraham Pizam

Degree Requirements

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

- A. Communication Foundations 9 hrs
- B. Cultural and Historical Foundations 9 hrs
- C. Mathematical Foundations
 - Select MAC 1105 College Algebra 3 hrs
 - Select CGS 2100C Computer Fundamentals for Bus *or* STA 2023 Statistical Methods I 3 hrs
- D. Social Foundations
 - Select ECO 2013 Macroeconomics *or* ECO 2023 Microeconomics 3 hrs
 - Select one: PSY 2012, SYG 2000, ANT 2000 3 hrs
- E. Science Foundation 6 hrs

2. Common Program Degree Requirements (3 hrs)

- HFT 1000 Introduction to Hospitality Management 3 hrs
- See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Foundations

- Quantitative Tools**
- CGS 2100C Computer Fundamentals of Business (GEP)
or STA 2023 Statistical Methods I
 - ECO 2013 Macroeconomics (GEP)
or ECO 2023 Microeconomics
 - MAC 1105 College Algebra (GEP)

4. Hospitality Management Core (25 hrs)

- HFT 2401 Hospitality Financial Accounting 3 hrs
- HFT 2500 Hospitality Marketing 3 hrs
- HFT 2220 Hospitality Human Resources 3 hrs
- HFT 2254 Lodging Operations 3 hrs
- HFT 3431 Hospitality Managerial Accounting 3 hrs
- HFT 3540 Guest Services Management 3 hrs
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4464 Hospitality Industry Finance 3 hrs
- HFT 3933 Distinguished Hospitality Lectures 1 hr

5. Internship (3 hrs)

- HFT 3940 Internship I 1 hr
- HFT 4941 Internship II 1 hr
- HFT 4944 Internship III 1 hr

6. Event Management Core (27 hrs)

- HFT 2750 The Event Industry 3 hrs
- HFT 3670 Hospitality & Event Risk Management 3 hrs
- HFT 3512 Event Promotion 3 hrs
- HFT 3443 Event Technology 3 hrs
- HFT 3792 Event Design & Production 3 hrs
- FSS 2221C Quantity Food Production 3 hrs
- HFT 4802 Catering Management 3 hrs
- HFT 4757 Event Management I 3 hrs
- HFT 4791 Event Management II 3 hrs

7. Special College 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.

8. Restricted Electives (15 hrs)

- Choose any five courses from the list below**
- HFT 3741 Meeting Management 3 hrs
 - HFT 4754 Exhibit and Trade Show Operations 3 hrs
 - HFT 3517 Convention Sales 3 hrs
 - HFT 4753 Convention Services 3 hrs
 - HFT 4795 Entertainment Arts and Events 3 hrs
 - HFT 3798 Fairs and Festivals 3 hrs
 - HFT 4561 Destination Marketing 3 hrs
 - HFT 4736 Destination Management 3 hrs
 - HFT 4796 International Events 3 hrs
 - HFT 4375 Advanced Trade Show Management 3 hrs

9. Foreign Language Requirements (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.)

10. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

11. Unrestricted Electives (3-11 hrs)

As necessary to result in 120 total credit hours.
Total Semester Hours Required 120 hrs

Community/Junior College 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.

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 Fee

- Full-time Student \$75 per term
- Part-time Student \$37.50 per term

FOUR YEAR PLAN OF STUDY FOR EVENT MANAGEMENT*

*Plan your required nine summer credit hours into your course of study.

| Freshman Year | | 15 Hrs | Spring | 15 Hrs |
|---------------|------------------------|--------|-------------------------|--------|
| Fall | ENC 1101 | 3 hrs | ENC 1102 | 3 hrs |
| | Cult/Hist Found Seq. I | 3 hrs | SPC 1600C | 3 hrs |
| | CGS 2100C | 3 hrs | Cult/Hist Found Seq. II | 3 hrs |
| | HFT 1000 | 3 hrs | MAC 1105 | 3 hrs |
| | PSY 2012, SYG 2000 | 3 hrs | HFT 2750 | 3 hrs |
| | <i>or</i> ANT 2000 | | | |

| Sophomore Year | | 15 hrs | Spring | 15 hrs |
|----------------|-----------------------------|--------|----------------------|--------|
| Fall | Science Found I | 3 hrs | Science Found II | 3 hrs |
| | ECO 2013 <i>or</i> ECO 2023 | 3 hrs | HFT 2220 | 3 hrs |
| | HFT 2500 | 3 hrs | HFT 2401 | 3 hrs |
| | HFT 3431 Event Tech | 3 hrs | Cult/Hist Foundation | 3 hrs |
| | HFT 3670 HosEvtnt Risk | 3 hrs | HFT 3512 Event Promo | 3 hrs |

| Junior Year | | 16 hrs | Spring | 16 hrs |
|-------------|-----------------------|--------|---------------------|--------|
| Fall | HFT 3792 Evtnt Design | 3 hrs | HFT 4802 | 3 hrs |
| | FSS 2221C | 3 hrs | HFT 4286 | 3 hrs |
| | HFT 3431 | 3 hrs | HFT 4464 | 3 hrs |
| | HFT 2254 | 3 hrs | HFT 4941 | 1 hrs |
| | HFT 3940 | 1 hrs | Hosp Event Elective | 3 hrs |
| | HFT 3540 | 3 hrs | Hosp Event Elective | 3 hrs |

| Senior Year | | 13 hrs | Spring | 15 hrs |
|-------------|---------------------|--------|------------------------|--------|
| Fall | HFT 4757 | 3 hrs | HFT 4791 Evtnt Mgmt II | 3 hrs |
| | HFT 4944 | 1 hrs | HFT 3933 | 3 hrs |
| | Hosp Event Elective | 3 hrs | Hosp Event Elective | 3 hrs |
| | Free electives | 6 hrs | Hosp Event elective | 3 hrs |
| | | | Free electives | 5 hrs |

EXCEPTIONAL STUDENT EDUCATION (B.S.)**College of Education****Department of Child, Family and Community Sciences
ED 209**<http://www.education.ucf.edu/>Program Coordinator: Dr. Joyce Harth, ED315-D, 407-823-2386;
E-mail: jharth@mail.ucf.edu**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 and/or CLAST examination (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.
- Passing scores on ALL three applicable sections of the Florida Teacher Certification Examination. See <http://www.fldoe.org> for available test dates and test sites.
 - FTCE General Knowledge Test (GKT) – (if CLAST was used for admission) passing score on the GKT is strongly recommended during Semester 1 of the junior year.
 - FTCE Professional Education Test (PEd).
 - FTCE Subject Area Examination for Exceptional Student Education K-12.
 - In order to be highly qualified, you must take and pass a subject area examination in a specific content area.
- Students must earn a "C-" (1.75) or better in each required Exceptional Education course

1. UCF General Education Program (36 hrs)

- A. Communication Foundation (9 hrs)
1. ENC 1101 English Composition I 3 hrs
 2. ENC 1102 English Composition II 3 hrs
 3. Prefer: SPC 1600 Fundamentals of Oral Communication 3 hrs
- B. Cultural-Historical Foundation (9 hrs)
1. Prefer: AMH 2010 U.S. History 1492-1877 3 hrs
 2. Prefer: LIT 2110 World Literature I, *or* LIT 2120 World Literature II, *or* PHI 2010 Introduction to Philosophy, *or* REL 2300 World Religion 3 hrs
 3. Prefer: AMH 2020 U.S. History 1877-present 3 hrs
- C. Mathematical Foundation (6 hrs)
1. Prefer: MGF 1106 Finite Mathematics 3 hrs
 2. Prefer: STA 1060C Basic Statistics using MS Excel *or* STA 2014C Principles of Statistics 3 hrs
- D. Social Foundation (6 hrs)
1. Prefer: POS 2041 American National Government 3 hrs
 2. Prefer: PSY 2012 General Psychology 3 hrs
- E. Science Foundation (6 hrs)
1. Prefer: PSC 1121 Physical Science 3 hrs
 2. Prefer: ANT 2511 The Human Species *or* BSC 1005 Biological Principles 3 hrs

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)

- | | | |
|----------|------------------------------|-------|
| EDF 2005 | Introduction to Education | 3 hrs |
| EDG 2701 | Teaching Diverse Populations | 3 hrs |
| EME 2040 | Technology for Educators | 3 hrs |

Note: In addition to EDG 2701, 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. See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Other Program Requirements (15 hrs)

- | | | |
|-----------|---|-------|
| EDF 2130* | Child and Adolescent Development for Educators | 3 hrs |
| EDF 2720* | Children in Schools: Legal, Ethical And Safety Concerns | 3 hrs |
| EEX 2010 | Introduction to Special Education | 3 hrs |
| EEX 2758* | Enhancing Family Involvement in Education | 2 hrs |
| MAE 2801 | Elementary School Mathematics | 4 hrs |

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Exceptional Education Program Recommended Sequence of Required Courses

Exceptional 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 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 Education major's program and to integrate theory and practice in actual school settings. Throughout the Exceptional Education program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty.

Semester I (12 hrs)

- | | | |
|-----------|--|-------|
| EDG 4410* | Teaching Strategies and Classroom Management | 3 hrs |
| EEX 3241* | Methods of Academic Skills for Exceptional Students | 3 hrs |
| RED 3012* | Basic Foundations of Reading | 3 hrs |
| TSL 4080* | Theory and Practice of Teaching ESOL Students in Schools | 3 hrs |

*Courses to be taken prior to Internship I

Semester II (15 hrs)

- | | | |
|----------|---|-------|
| EDF 4467 | Learning Theory and Assessment | 3 hrs |
| EEX 3243 | Techniques for Exceptional Adolescents and Adults | 3 hrs |
| LAE 4314 | Language Arts in Elementary School | 3 hrs |
| TSL 4240 | Issues in Second Language Acquisition | 3 hrs |

- Methods Content Area Course I – **Select one** from:
- | | | | |
|----------|---------------------------------------|-----------|-------|
| SCE 3310 | Teaching Science in Elementary School | <i>or</i> | 3 hrs |
| SSE 3312 | Teaching Social Science in the | <i>or</i> | 3 hrs |
| LAE 3414 | Elementary School | <i>or</i> | 3 hrs |
| LAE 3414 | Literature for Children | | 3 hrs |

Please note: It is strongly recommended to take the Professional Education Test (PED) portion of the FTCE during Semester II

Semester III (Summer) (6 hrs)

- | | | |
|----------|---|-------|
| EEX 3221 | Assessment of Exceptional Students | 3 hrs |
| EEX 4066 | Curriculum, Theory & Instructional Strategies for Students with Special Needs | 3 hrs |

- Please note: It is strongly recommended to take the Professional Education Test (PED) and the Exceptional Education Subject Area Exam portions of the Florida Teacher Certification Exam (FTCE) after completion of Semester I and II, but prior to Semester III and IV.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.clinicalexperiences.education.ucf.edu>.
- 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.

Semester IV (15 hrs)

- | | | |
|-----------|--|-------|
| EEX 3942 | Internship I | 3 hrs |
| EEX 4601* | Introduction to Behavior Management | 3 hrs |
| EEX 4763 | Technology for Classroom Teachers of Students with Special Needs | 3 hrs |
| RED 4519 | Diagnostic & Corrective Reading Strategies | 3 hrs |

Methods Content Area Course II – **Select one** from:
(In addition to Semester II)

- | | | |
|-----------|--|--|
| SCE 3310 | Teaching Science in Elementary School | |
| SSE 3312 | Teaching Social Science in the Elementary School | |
| LAE 3414 | Literature for Children | |
| MAE 4326* | How Children Learn Mathematics | |

*To enroll in these courses, you must be registered for EEX 3942 Internship I.

UCF Degree Programs

- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.clinicalexperiences.education.ucf.edu>.
- A passing score on all applicable sections of the Florida Teacher Certification Examination (General Knowledge Test, Professional Education Test, and Subject Area Examination for Exceptional Student Education K-12 is strongly recommended before entry into student teaching (EEX 4943 Internship II).

| | | |
|-------------------|--|-----------------|
| Semester V | | (12 hrs) |
| EEX 4943 | Student Teaching – Internship II | 9 hrs |
| RED 4942 | Pract for Assessment and Instruct of Reading | 3 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.

5. Foreign Language Requirements (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.)

6. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a Live text 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.

7. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

8. Total Semester Hours Required 120 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/aic/academic_learning_compacts.htm

9. Recommended Four-Year Sequence of Courses

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) | Spring | (15 hrs) |
| EDF 2005 Introduction to Education | 3 | EDG 2701 Teaching Diverse Pop | 3 |
| ENC 1101 English Composition I | 3 | ENC 1102 English Composition II | 3 |
| MGF 1106 Finite Mathematics | 3 | EDF 2130 Child and Adol Dev Ed | 3 |
| PSY 2012 General Psychology | 3 | PSC 1121 Physical Science | 3 |
| | | REL 2300 World Religions <i>or</i> | 3 |
| | | PHI 2010 Intro to Philosophy <i>or</i> | |
| | | LIT 2110 World Lit I <i>or</i> | |
| | | LIT 2120 World Lit II | |
| Summer (6 hrs) | | | |
| POS 2041 American National Gov | 3 | | |
| EME 2040 Technology for Educators | 3 | | |
| Sophomore Year | | | |
| Fall | (12 hrs) | Spring | (12 hrs) |
| SPC 1600 Fund of Oral Comm | 3 | AMH 2020 U.S. History 1877-present | 3 |
| AMH 2010 U.S. History 1492-1877 | 3 | EEX 2758* Enhance Fmly Involve Ed | 2 |
| ANT 2511 The Human Species <i>or</i> | 3 | EDF 2720 Child in Sch: Legal, Ethical and Safety Concerns | 3 |
| BSC 1005 Biological Principles | | | |
| STA 2014C Princ of Stats <i>or</i> | 3 | MAE 2801 Elem School Math | 4 |
| STA 1060C Basic Stats using MS Excel | | | |

| | |
|------------------------------|----------------|
| Summer | (3 hrs) |
| EEX 2010 Intro to Special Ed | 3 |

*Note: 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.

| | | | | |
|-------------------------------------|---|----------------------------------|---------------|-----------------|
| Junior Year | | (12 hrs) | Spring | (15 hrs) |
| Fall | | | | |
| EDG 4410 Teach Strat & Class Mgmt | 3 | EEX 3243 Techniques for Except | 3 | |
| TSL 4080 Theory & Prac of Teach | 3 | Adolescents and Adults | | |
| ESOL Students in Schools | | LAE 3414 Literature for Children | 3 | |
| EEX 3241 Methods of Academic Skills | 3 | EDF 4467 Learn Theory & Assmt | 3 | |
| for Except Students | | TSL 4240 Issues in 2nd Lang | 3 | |
| RED 3012 Basic Found of Read | 3 | Acquisition | | |
| | | Select an approved Methods | 3 | |
| | | Content Area Course* | | |

*Approved Methods Content Area Courses: SCE 3310, SSE 3312, LAE 3414
 Note: It is strongly recommended to take the Professional Education Test (PED) portion of the FTCE during Semester II

| | |
|---------------|----------------|
| Summer | (6 hrs) |
|---------------|----------------|

| | |
|-------------------------------------|---|
| EEX 3221 Assess of Exceptional Stud | 3 |
| EEX 4066 Curr, Theory & Instruct | 3 |
| Strat for Students with Spec Needs | |

Note: It is strongly recommended to take the Subject Area Examination (SAE) portion of the FTCE during Semester III.

| | | | | |
|---------------------------------------|---|---|---------------|-----------------|
| Senior Year | | (15 hrs) | Spring | (12 hrs) |
| Fall | | | | |
| EEX 4763 Tech for Classroom Teach | 3 | EEX 4943 Student Teaching - Internship II | 9 | |
| of Students with Special Needs | | RED 4942 Practicum for | 3 | |
| EEX 4601 Intro to Behavior Management | 3 | Assess & Instruction of Reading | | |
| EEX 3942 Internship I | 3 | | | |
| RED 4519 Diagn & Corr Read Strat | 3 | | | |
| Select one approved Methods | 3 | | | |
| Content Area Course* | | | | |

*Methods Content Area Course – Choose one from (must be different from the course selected during Junior Year Spring Term):
 SCE 3310, SSE 3312, LAE 3414, **MAE 4326

**To enroll in this course, you must be registered for EEX 3942 Internship I.

FILM - B.F.A.

College of Arts and Humanities

Film, NSC 121, 407-823-4285

<http://www.film.ucf.edu>

E-mail: film@mail.ucf.edu

Department Chair: S. Schlow, 407-823-2845

Admission Requirements

Limited Access

- The Film BFA major is a limited access program.
- Entrance into most Film classes is restricted to majors. Exceptions must be approved by 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.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.
- The Film BFA demands a closely integrated curriculum. Therefore, transfers are not generally encouraged to pursue a BFA program. However, exceptionally talented students who have completed the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System may be admitted.

■ 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 (36 hrs)

- A. Communication Foundations 9 hrs
- B. Cultural and Historical Foundations
 - Prefer one class from 1.B.1 list 3 hrs
 - Prefer FIL 2030 3 hrs
 - Prefer one class from either 1.B.1 or 1.B.2 3 hrs
- C. Mathematical Foundations
 - Select MGF 1106 3 hrs
 - (may substitute a higher level math)
 - Prefer CGS 1060C *or* 3 hrs
 - STA 1060C
- D. Social Foundations 6 hrs
- E. Science Foundations 6 hrs

2. Common Program Prerequisites (3 hrs)

- FIL 2030* History of the Motion Pictures 3 hrs
- FIL 1007 Foundations of Story 3 hrs

*See Transfer Notes for possible substitutions

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Lower Level Core Requirements (18 hrs)

- FIL 2107 Script Analysis 3 hrs
- FIL 1009 Cinematic Expression for Majors 3 hrs
- FIL 2552 Editing I 3 hrs
- FIL 2480 Directing I 3 hrs
- FIL 2461 Cinematography I 3 hrs
- FIL 2481 Directing the Actor for Film I 3 hrs

4. Upper Level Core Requirements (39 hrs)

- DIG 3001 Digital Media Principles 3 hrs
 - FIL 3115 Short Script I 3 hrs
 - FIL 3132 Short Script II 3 hrs
 - FIL 3427C Intro 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 6 hrs
- (Six semesters of Colloquium required at 1 hr each)
- FIL 4486C Directing II 3 hrs
 - FIL 4661 The Film Producer 3 hrs
 - FIL 4647 Film Production Management 3 hrs

5. Upper Level Restricted Electives (12 hrs)

Select four courses from the following. Must complete all core requirements before taking these courses. A maximum of six hours of Independent Study may be substituted with advisor's prior approval.

■ **Production/Direction**

- FIL 3363C Film Documentary
- FIL 3790 Interactive Entertainment
- FIL 4472C Cinematography II
- FIL 4535C Sound Design for Film II
- FIL 4536 Sound Design for Film III
- FIL 4451 Design for Film
- FIL 4487 Directing III
- FIL 4566C Editing II

■ **Screen Writing**

- FIL 4103 Adaptation
- FIL 4162C Feature/TV Writing
- FIL 4163C Feature/TV Writing II
- FIL 4113C Interactive Writing I
- FIL 4114C Interactive Writing II
- FIL 4126C Genre Writing
- FIL 4906 Independent Study

■ **Cinema Studies**

- FIL 3880 Women in Film
- FIL 3831 Black Cinema
- FIL 3051 Avant-Garde Cinema
- FIL 3804C Film Theory and Criticism II
- FIL 3841 French New Wave Cinema
- FIL 3824 Italian Neo-Realist Cinema
- FIL 3513 Latin American Cinema
- FIL 3820 Italian Film
- FIL 3822 French Film
- FIL 3823 German Film
- FIL 3826 American Cinema
- FIL 3871 American Film Artist
- FIL 4436 Film Theory/Film/Production

■ **Digital Cinema**

- ART 2820 Art as Interface
- ART 3618C Post-Production Design
- COP 3502C Computer Science I
- DIG 3855 Converging Media
- DIG 3138C Digital Imagery
- DIG 4780C Modeling for Realtime Graphics
- ENC 4415 Digital Rhetoric & Modern Dialectic
- DIG 3134C Internet Software Design
- MUC 3311 MIDI Sequencing I

6. Capstone Courses (6 hrs)

- FIL 4434C Capstone I 3 hrs
- FIL 4573C Capstone II 3 hrs

7. Departmental Exit Requirements

- A student must maintain an overall average of "B" (3.0) or better in major courses.
- Computer competency met by CGS 1060C or STA1060C or FIL 2552.
- Department of Film requires an exit interview.

8. Foreign Language Requirements (0-8 hrs)

Admission: 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.

9. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

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 36 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required 120 hrs

Related Programs: Animation, Art, Cinema Studies, Creative Writing, Digital Media, Music, Theatre, Radio/TV, World Cinema

Related Minors: Art, Cinema Studies, Creative Writing, Digital Media, Music, Theatre

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 Common Program Prerequisites

- FIL 2030 may substitute 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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeads.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$90 per term
- Part-time Student\$45 per term

UCF Degree Programs

FILM - CINEMA STUDIES TRACK (B.A.)

College of Arts and Humanities

Film, NSC 121, 407-823-4285

<http://www.film.ucf.edu>

E-mail: film@mail.ucf.edu

Department Chair: S. Schlow, 407-823-2845

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 "B" (3.0) or better in major courses.
- Film production/directing classes are not open to Cinema Studies majors.
- Cinema Studies Track is not an entree into the BFA Film Program.
- Co-op or internship credit cannot 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 (36 hrs)

- | | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | |
| Prefer one course from 1.B.1 list | 3 hrs |
| Prefer FIL 2030 | 3 hrs |
| Prefer one course from 1.B.1 or 1.B.2 list | 3 hrs |
| C. Mathematical Foundations | |
| Select MGF 1106 | 3 hrs |
| (may substitute a higher level math) | |
| Prefer CGS 1060C <i>or</i> | 3 hrs |
| STA 1060C | |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 6 hrs |

2. Common Program Prerequisites (3 hrs)

- | | | |
|-----------|--------------------------------|-------|
| FIL 2030* | History of the Motion Pictures | GEP |
| FIL 1007* | Foundations of Story | 3 hrs |
- *See Transfer Notes for possible substitutes
See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements (48 hrs)

- | | | |
|-----------|-----------------------------------|-------|
| DIG 3001 | Digital Media Principles | 3 hrs |
| FIL 1008 | Cinematic Expression/Aesthetics | 3 hrs |
| FIL 2107 | Script Analysis | 3 hrs |
| FIL 2423 | Foundations of Production | 3 hrs |
| FIL 3006 | Art of the Cinema | 3 hrs |
| FIL 3102 | Writing for Film and TV <i>or</i> | 3 hrs |
| FIL 3115 | Short Script | |
| 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 |

4. Restricted Upper Division Electives (9 hrs)

- Select three courses from the following upper level FIL courses:
- | | |
|----------|----------------------------|
| DIG 3855 | Converging Media |
| FIL 3850 | Cinema Director |
| FIL 3880 | Women in Film |
| FIL 3041 | History of Animated Films |
| FIL 3831 | Black Cinema |
| FIL 3841 | French New Wave Cinema |
| FIL 3824 | Italian Neo-Realist Cinema |
| FIL 3513 | Latin American Cinema |
| FIL 3841 | International Cinema |
| FIL 3820 | Italian Film |
| FIL 3822 | French Film |
| FIL 3823 | German Film |
| FIL 3852 | Cinema Criticism (writing) |

- | | |
|----------|-----------------------------|
| FIL 3790 | Interactive Entertainment |
| FIL 3871 | American Film Artist |
| FIL 4436 | Film Theory/Film Production |
| FIL 4906 | Independent Study |
| FIL 5612 | Film and Internet Business |
- (a maximum of 6 hours Independent Study may be used)

5. Required Minor (18 hrs min)
Must be taken outside the Film Department.

6. Departmental Exit Requirements

- A student must maintain an overall average of "B" (3.0) or better in major courses.
- Computer competency met by CGS1060 or STA1060C or FIL 1008.

7. Foreign Language Requirements (0-8 hrs)

Admission: 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 (variable)

Select primarily from upper division courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Animation, Art, Creative Writing, Film, Music, Theatre, Radio/TV

Related Minors: Art, Creative Writing, Music, Theatre

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 Common Program Prerequisites

- FIL 2030 may substitute FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.
- FIL 1007 may use any introductory course. However, FIL 1007 is a prerequisite for all Cinema Studies courses and must be taken.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oemas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$90 per term
- Part-time Student\$45 per term

FILM - WORLD CINEMA TRACK (B.A.)

College of Arts and Humanities

Film, NSC 121, 407-823-4285

<http://www.film.ucf.edu>

E-mail: film@mail.ucf.edu

Department Chair: S. Schlow, 407-823-2845

Admission Requirements

Limited Access

- The Film-World Cinema track is a limited access program.
- Students must attain an overall minimum 2.5 GPA before applying.
- Students should apply to become Film majors only after completing all requirements for admission to the University.
- A portfolio and an interview are required for entry into the Film World Cinemas track.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average grade of "B" (3.0) or better in courses within the major.
- A maximum of three credit hours on internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
- Students should consult with a departmental advisor.
- All students are required to pay a fee for equipment insurance.
- Departmental residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program

| | |
|--|----------|
| A. Communication Foundations | (36 hrs) |
| B. Cultural and Historical Foundations | 9 hrs |
| Prefer one course from 1.B.1 list | 3 hrs |
| Prefer FIL 2030 | 3 hrs |
| Prefer one course from 1.B.1 or 1.B.2 list | 3 hrs |
| C. Mathematical Foundations | 3 hrs |
| Prefer MGF 1106 | 3 hrs |
| (may substitute a higher level math) | |
| Prefer CGS 1060C <i>or</i> | 3 hrs |
| STA 1060C | |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 6 hrs |

2. Common Program Requirements

| | |
|--|---------|
| FIL 2030* History of Motion Pictures | (3 hrs) |
| FIL 1007* Foundations of Story | GEP |
| *See Transfer Notes for possible substitutions | 3 hrs |
| See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information. | |

3. Core Requirements

| | |
|---|----------|
| DIG 3001 Digital Media Principles | (57 hrs) |
| FIL 1009 Cinematic Expression for Majors | 3 hrs |
| FIL 2107 Script Analysis | 3 hrs |
| FIL 2461 Cinematography I | 3 hrs |
| FIL 2480 Directing I | 3 hrs |
| FIL 2552 Editing I | 3 hrs |
| FIL 3115 Short Script I | 3 hrs |
| FIL 3427C Introduction to Film Production | 3 hrs |
| FIL 3534 Sound Design for Film I | 3 hrs |
| FIL 3363C Film Documentary | 3 hrs |
| FIL 3304C Documentary Vision | 3 hrs |
| FIL 3307 Docudrama | 3 hrs |
| FIL 3036 Film History I | 3 hrs |
| FIL 3803C Film Theory and Criticism I | 3 hrs |
| FIL 3845 World Cinema Traditions | 3 hrs |
| FIL 4301C Documentary Workshop I | 3 hrs |
| FIL 4302C Documentary Workshop II | 3 hrs |
| FIL 4602 Film Business | 3 hrs |
| FIL 4647 Film Production Management | 3 hrs |

4. Upper Level Restricted Electives

| | |
|---|---------|
| Select three of the following | (9 hrs) |
| FIL 3XXX Documentary Field Production | |
| FIL 3804C Film Theory and Criticism II | |
| FIL 3513 Latin American Cinema | |
| FIL 4844 Africana Cinema | |
| FIL 4808 Images & Text in Context | |
| FIL 4661 The Film Producer | |
| Additional courses may be acceptable. Consult your advisor. | |

5. Capstone

| | |
|-----------------------|---------|
| FIL 4434C Capstone I | (6 hrs) |
| FIL 4573C Capstone II | 3 hrs |

6. Departmental Exit Requirements

- A student must maintain an overall average of "B" (3.0) or better in courses within the major.
- Computer competency met by CGS 1060C or STA 1060C or FIL 2552.
- Department of Film requires a passing grade on an exit examination.

7. Foreign Language Requirements

Admission: Met by graduation requirement. (0-8 hrs)

Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

(variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required

120 hrs

Related Programs: Animation, Art, Cinema Studies, Creative Writing, Film, Digital Media, Music, Radio/TV, Theatre.

Related Minors: Cinema Studies, Creative Writing, Digital Media, African American Studies, Women Studies, Latin American Studies, Asian Studies, International and Global Studies

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 Common Program Prerequisites

- FIL 2030 may substitute 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

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$90 per term
- Part-time Student\$45 per term

FINANCE (B.S.B.A.)

College of Business Administration

BA2 101, 407-823-2184

<http://www.bus.ucf.edu/finance>

Admissions Requirements

- Completion of the UCF General Education Program, and Gordon Rule, or an AA degree from a Florida public community college
- See Common Program Prerequisites

Degree Requirements

1. UCF General Education Program (36 hrs)

| | |
|---|-------|
| A. Communications Foundations | 9 hrs |
| Required: SPC 1600 Fund of Oral Communication | |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| Select MAC 1140 Pre-Calculus | 3 hrs |
| Select CGS 2100C Computer Fund for Business | 3 hrs |
| D. Social Foundations | |
| Select ECO 2013 <i>or</i> ECO 2023 | 3 hrs |
| Select one: PSY 2012, SYG 2000, ANT 2000 | 3 hrs |
| E. Science Foundations | 6 hrs |

2. Common Program Prerequisites

Must be completed with a "C" (2.0) or better. (18-21 hrs)

| | | |
|-----------|-------------------------------------|-------|
| 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 |
| *ECO 3401 | Quantitative Business Tools I | 3 hrs |
| CGS 2100C | Computer Fundamentals for Business | 3 hrs |

UCF Degree Programs

*At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Classes (36 hrs)

First or subsequent semester in the College of Business Administration:

| | | |
|-----------|---|-------|
| GEB 3031 | Cornerstone (Required in 1st or 2nd semester) | 4 hrs |
| GEB 3375 | Introduction to International Business | 4 hrs |
| BUL 3130 | Legal & Ethical Environments of Business | 4 hrs |
| ECO 3411 | Quantitative Business Tools II | 4 hrs |
| FIN 3403 | Business Finance | 4 hrs |
| MAN 3025 | Management of Organizations | 4 hrs |
| ISM 3011C | Essentials of Management Information Systems | 4 hrs |
| MAR 3023 | Marketing | 4 hrs |

| | | |
|-----------------------|----------------------|-------|
| Last Semester: | | |
| MAN 4720 | Strategic Management | 4 hrs |

4. Special College and/or Department 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 finance 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 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 sections 5 and 6 below) can count toward another major or minor degree program.
- 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. FIN 3403 is included in this requirement.
- Students must earn at least a 2.0 GPA in the major and CBA.

5. Required Courses (18 hrs)

| | | |
|----------|--------------------------------|-------|
| FIN 3303 | Financial Markets | 3 hrs |
| FIN 3414 | Intermediate Corporate Finance | 3 hrs |
| FIN 3504 | Investment Analysis | 3 hrs |
| FIN 4453 | Financial Models | 3 hrs |

Select two of the following:

| | | |
|----------|--------------------------------------|-------|
| FIN 4313 | Management of Financial Institutions | 3 hrs |
| FIN 4324 | Commercial Bank Management | 3 hrs |
| FIN 4424 | Adv Topics in Financial Management | 3 hrs |
| FIN 4514 | Portfolio Analysis and Management | 3 hrs |
| FIN 4533 | Financial Derivatives | 3 hrs |
| FIN 4604 | International Financial Management | 3 hrs |

6. Restricted Electives (6 hrs)

Select two of the following:

| | | |
|-------------|--------------------------------------|-------|
| ACG 3131 | Financial Accounting Concepts | 3 hrs |
| ACG 3141 | Intermediate Financial Accounting | 3 hrs |
| ACG 3361 | Intermediate Managerial Accounting | 3 hrs |
| ECO 4412 | Economic Statistics and Econometrics | 3 hrs |
| FIN 3461 | Financial Statement Analysis | 3 hrs |
| FIN 4313 | Management of Financial Institutions | 3 hrs |
| FIN 4324 | Commercial Bank Management | 3 hrs |
| FIN 4424 | Adv Topics in Financial Management | 3 hrs |
| FIN 4514 | Portfolio Analysis and Management | 3 hrs |
| FIN 4533 | Financial Derivatives | 3 hrs |
| FIN 4604 | International Financial Management | 3 hrs |
| FIN 4906 | Independent Study | 3 hrs |
| FIN 4941 | Internship | 3 hrs |
| FIN 4903H** | Honors Directed Readings in Finance | 3 hrs |
| FIN 4970H** | Honors Thesis in Finance | 3 hrs |
| MAR 3391 | Professional Selling | 3 hrs |
| REE 3043 | Fundamentals of Real Estate | 3 hrs |
| REE 3433 | Real Estate Law | 3 hrs |
| REE 4103 | Real Estate Appraisal | 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 |
| RMI 3011 | Principles of Risk and Insurance | 3 hrs |
| TAX 4001 | Federal Income Tax I | 3 hrs |

**Must be accepted into the UCF Honors in the Major Program. See <http://www.honors.ucf.edu/> for details.

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

9. Electives*** (variable)

Total Semester Hours Required 120 hrs

Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF.
- 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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

FOUR YEAR PLAN OF STUDY - FINANCE

| Freshman | | | |
|---|--------|---------------|--------|
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| ENC 1101 | 3 | ENC 1102 | 3 |
| Cult-Hist I | 3 | Cult-Hist II | 3 |
| SPC 1600 | 3 | Art/Music/Lit | 3 |
| MAC 1105 | 3 | CGS 2100C | 3 |
| Elective*** | 3 | Elective*** | 3 |
| Must complete nine hours in a summer semester | | | |
| Sophomore | | | |
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| ECO 2013 | 3 | ECO 2023 | 3 |
| ACG 2021 | 3 | ACG 2071 | 3 |
| Science | 3 | Science | 3 |
| Psy/Soc/Ant | 3 | ECO 3401 | 3 |
| Elective*** | 3 | Elective*** | 3 |

| | | | |
|-----------------|---------------|-----------------|---------------|
| Junior | | | |
| 1st Term | 16 hrs | 2nd Term | 17 hrs |
| GEB 3031 | 4 | FIN 3303 | 3 |
| GEB 3375 | 4 | FIN 3414 | 3 |
| MAR 3023 | 4 | FIN 3504 | 3 |
| FIN 3403 | 4 | ECO 3411 | 4 |
| | | MAN 3025 | 4 |

| | | | |
|-----------------|---------------|-----------------|---------------|
| Senior | | | |
| 1st Term | 14 hrs | 2nd Term | 13 hrs |
| BUL 3130 | 4 | MAN 4720 | 4 |
| ISM 3011C | 4 | FIN 4453 | 3 |
| FIN Elective | 3 | FIN Elective | 3 |
| FIN Elective | 3 | FIN Elective | 3 |

***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.

FOREIGN LANGUAGE EDUCATION - FRENCH (B.S.)

College of Education

Department of Teaching and Learning Principles, ED 209

<http://www.education.ucf.edu/language>

Program Coordinator: Dr. Karen Verkler, ED 220L, 407-823-5235,

E-mail: kverkler@mail.ucf.edu;

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 and/or CLAST examination (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (36 hrs)

- A. Communication Foundation (9 hrs)
1. ENC 1101 English Composition I 3 hrs
 2. ENC 1102 English Composition II 3 hrs
 3. Prefer SPC 1600 Fundamentals of Oral Communication 3 hrs
- B. Cultural-Historical Foundation (9 hrs)
1. Prefer: AMH 2010 U.S. History 1492-1877 3 hrs
 2. Prefer: PHI 2010 Introduction to Philosophy 3 hrs
 3. Prefer: AMH 2020 U.S. History 1877-present 3 hrs
- C. Mathematical Foundation (6 hrs)
1. Prefer: MGF 1106 Finite Mathematics 3 hrs
 2. Prefer: STA 1060C Basic Statistics using MS Excel *or* STA 2014C Principles of Statistics 3 hrs
- D. Social Foundation (6 hrs)
1. Prefer: POS 2041 American National Government 3 hrs
 2. Prefer: PSY 2012 General Psychology 3 hrs
- E. Science Foundation (6 hrs)
1. Prefer: PSC 1121 Physical Science 3 hrs
 2. Prefer: ANT 2511 The Human Species *or* BSC 1005 Biological Principles 3 hrs

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)

- | | | |
|----------|------------------------------|-------|
| EDF 2005 | Introduction to Education | 3 hrs |
| EDG 2701 | Teaching Diverse Populations | 3 hrs |
| EME 2040 | Technology for Educators | 3 hrs |

Note: In addition to EDG 2701, 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.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Other Program Requirements (6 hrs)

- | | | |
|------------|--|-------|
| EDF 2130** | Child & Adolescent Development for Educators | 3 hrs |
| FRE 2201* | Intermediate French Language and Civilization II | 3 hrs |
- *Prerequisite FRE 2200 can be satisfied by FL proficiency test or CLEP test, or successful completion of FRE 2201.

**Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Education Core Requirements (18 hrs)

- | | | |
|-------------|---|-------|
| EDG 4410*** | Teaching Strategies and Classroom Mgmt | 3 hrs |
| EDF 4467*** | Learning Theory and Assessment | 3 hrs |
| TSL 4080 | Theory and Practice of Teaching ESOL | 3 hrs |
| RED 4043 | Content Reading Kindergarten through Grade 12 | 3 hrs |
| EEX 4242# | Teaching Exceptional Students in Secondary Settings | 3 hrs |
| EDF 4603 | Analysis and Applications of Ethical, Legal, and Safety Issues in Schools | 3 hrs |

***Required prior to Internship I.

#Community College transfer students may substitute EEX 2010 Introduction to Special Education.

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended during the first semester (if CLAST was used for admission) and before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

5. Internship I (3 hrs)

- | | | |
|----------|--------------|-------|
| FLE 3940 | Internship I | 3 hrs |
|----------|--------------|-------|
- Program Internship I Prerequisites: EDG 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of "C-" or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
 - Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.clinicalexperiences.education.ucf.edu>.

6. Specialization Requirements (33 hrs)

- | | | |
|-------------|---|-------|
| FLE 4333*** | Foreign Language Teaching in the Sec School | 3 hrs |
| FLE 4314*** | Foreign Language Teaching in Elem Schools | 3 hrs |
| FRE 3300 | French Grammar | 3 hrs |
| FRE 3420 | French Composition | 3 hrs |
| FRE 3760 | Advanced French Oral Composition | 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

Note: The following courses may be taken in place of FRE 4421 and FRE 4422:

- | | |
|------------|--------------------------------|
| FRE 3410## | Advanced Oral French Abroad |
| FRE 3423## | Advanced French Grammar Abroad |

***Required prior to Internship I.

##Community college transfer students may substitute lower division restricted division electives, see advisor.

##May be taken as part of Summer Abroad Program.

7. Other Cognate Requirements (Linguistics) (3 hrs)

- | | | |
|----------|------------------------------|-------|
| FRE 3780 | French Phonetics and Diction | 3 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.

UCF Degree Programs

- 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>.

8. Internship II (12 hrs)

- FLE 4941 Internship II 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-5.066.

9. Foreign Language Requirements (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.)

10. 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.

11. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

12. Total Program Semester Hours Required 120 hrs

Consult with your Education advisor and review your degree audit for more recent information.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/aic/academic_learning_compacts.htm

13. Recommended Four Year Sequence of Courses

Freshman Year

| Fall | (12 hrs) | Spring | (12 hrs) |
|-----------------------------------|----------|---------------------------------|----------|
| EDF 2005 Intro to Education | 3 | EDG 2701 Teaching Diverse Pop | 3 |
| ENC 1101 English Composition I | 3 | ENC 1102 English Composition II | 3 |
| MGF 1106 Finite Mathematics | 3 | POS 2041 American National Gov | 3 |
| PSY 2012 General Psychology | 3 | PSC 1121 Physical Science | 3 |
| Summer (3 hrs) | | | |
| EME 2040 Technology for Educators | 3 | | |

Sophomore Year

| Fall | (15 hrs) | Spring | (12 hrs) |
|---------------------------------------|----------|------------------------------------|----------|
| AMH 2010 U.S. History 1492-1877 | 3 | AMH 2020 US History 1877-present | 3 |
| EDF 2130 Child and Adoles Dev Ed* | 3 | FRE 2201 Intern French Lang Civ II | 3 |
| SPC 1600 Fund of Oral Comm | 3 | ANT 2511 The Human Species or | 3 |
| STA 2014C Principles of Statistics or | 3 | BSC 1005 Biological Principles | 3 |
| STA 1060C Basic Stat MS Excel | 3 | PHI 2010 Intro to Philosophy | 3 |
| EEX 4242 Teach Ex Stud in Sec Setgts | 3 | | |

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

| Summer | (3 hrs) |
|--|---------|
| TSL 4080 Theory & Prac of Teach ESOL Students in Schools | 3 |

Junior Year

| Fall | (15 hrs) | Spring | (15 hrs) |
|-----------------------------------|----------|-----------------------------------|----------|
| EDF 4467 Learn Theory & Assmt | 3 | FRW 3101 Survey of French Lit II | 3 |
| EDG 4410 Teach Strat & Class Mgmt | 3 | FRE 3760 Adv French Oral Comp | 3 |
| FRE 3300 French Grammar | 3 | FRE 3780 French Phonics & Diction | 3 |
| FRE 3420 French Composit | 3 | FRE 4422 Adv French Composit | 3 |
| FRW 3100 Survey of French Lit I | 3 | RED 4043 Content Reading K-12 | 3 |

| Summer | (9 hrs) |
|--|---------|
| FLE 4314 For Lang Tch in Elem Sch | 3 |
| FLE 4333 For Lang Tch in Sec Sch | 3 |
| EDF 4603** Anal & Appl of Eth, Legal, & Safe Issues in Schools | 3 |

**This course may be taken in the Fall of the senior year with consent of Instructor.

Senior Year

| Fall | (12 hrs) | Spring | (12 hrs) |
|--|----------|------------------------|----------|
| FLE 3940 Internship I | 3 | FLE 4941 Internship II | 12 |
| FRE 4421 Adv French Convers | 3 | | |
| Two upper division restricted electives (FRE/FRW 3/4XXX) | 6 | | |

FOREIGN LANGUAGE EDUCATION - SPANISH (B.S.)

College of Education

Department of Teaching and Learning Principles, ED 209

<http://www.education.ucf.edu/language>

Program Coordinator: Dr. Karen Verkler, ED 220L, 407-823-5235, E-mail: kverkler@mail.ucf.edu;

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 and/or CLAST examination (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (36 hrs)

| | |
|--|---------|
| A. Communication Foundation | (9 hrs) |
| 1. ENC 1101 English Composition I | 3 hrs |
| 2. ENC 1102 English Composition II | 3 hrs |
| 3. Prefer SPC 1600 Fundamentals of Oral Communication | 3 hrs |
| B. Cultural-Historical Foundation | (9 hrs) |
| 1. Prefer: AMH 2010 U.S. History 1492-1877 | 3 hrs |
| 2. Prefer: PHI 2010 Introduction to Philosophy | 3 hrs |
| 3. Prefer: AMH 2020 U.S. History 1877-present | 3 hrs |
| C. Mathematical Foundation | (6 hrs) |
| 1. Prefer: MGF 1106 Finite Mathematics | 3 hrs |
| 2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics | 3 hrs |
| D. Social Foundation | (6 hrs) |
| 1. Prefer: POS 2041 American National Government | 3 hrs |
| 2. Prefer: PSY 2012 General Psychology | 3 hrs |
| E. Science Foundation | (6 hrs) |
| 1. Prefer: PSC 1121 Physical Science | 3 hrs |
| 2. Prefer: ANT 2511 The Human Species or BSC 1005 Biological Principles | 3 hrs |

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)

| | |
|---------------------------------------|-------|
| EDF 2005 Introduction to Education | 3 hrs |
| EDG 2701 Teaching Diverse Populations | 3 hrs |
| EME 2040 Technology for Educators | 3 hrs |

Note: In addition to EDG 2701, 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.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Other Program Requirements (6 hrs)

| | |
|---|-------|
| EDF 2130** Child & Adolescent Development for Educators | 3 hrs |
| SPN 2201* Interm Spanish Language and Civilization II | 3 hrs |

*SPN 3234 Advanced Directed Readings may be taken in place of SPN 2201 with advisor's consent. Prerequisite SPN 2200 can be satisfied by FL proficiency or CLEP test, or successful completion of SPN 2201 or SPN 3234.

**Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Education Core Requirements (18 hrs)

| | | |
|-------------|---|-------|
| EDG 4410*** | Teaching Strategies and Classroom Mgmt | 3 hrs |
| EDF 4467*** | Learning Theory and Assessment | 3 hrs |
| TSL 4080 | Theory and Practice of Teaching ESOL | 3 hrs |
| RED 4043 | Content Reading in Kindergarten thru Grade 12 | 3 hrs |
| EEX 4242# | Teaching Exceptional Students in Secondary Settings | 3 hrs |
| EDF 4603 | Analysis and Applications of Ethical, Legal, and Safety Issues in Schools | 3 hrs |

***Required prior to Internship I.

#Community College transfer students may substitute EEX 2010 Introduction to Special Education.

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended during the first semester (if CLAST was used for admission) and before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

5. Internship I (3 hrs)

- | | | |
|----------|--------------|-------|
| FLE 3940 | Internship I | 3 hrs |
|----------|--------------|-------|
- Program Internship I Prerequisites: EDG 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of "C-" or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
 - Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.clinicalexperiences.education.ucf.edu>.

6. Specialization Requirements (27 hrs)

| | | |
|-------------|--|-------|
| FLE 4333*** | For Lang Tch in the Secondary School | 3 hrs |
| FLE 4314*** | For Lang Tch in the Elementary School | 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 |
| SPW 3100## | Survey of Spanish Literature I | 3 hrs |
| 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 |

***Required prior to Internship I

##The following courses may be taken in place of SPW 3100 and SPW 3101:

| | |
|----------|--|
| SPW 3130 | Survey of Latin American Literature I |
| SPW 3131 | Survey of Latin American Literature II |

7. Upper Division Restricted Electives* (6 hrs)

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 |
| SPN 4421 | Advanced Spanish Composition |
| SPN 4510 | Spanish Civilization and Culture |
| SPN 4520 | Latin American Civilization and Culture |
| Any 4000-level Spanish literature course | |

Community college transfer students may substitute lower division restricted electives.

8. Other Cognate Requirements (3 hrs)

Select one of the following:

| | |
|----------|-----------------------------------|
| SPN 3852 | Bilinguismo <i>or</i> |
| SPN 4800 | Spanish American Syntax <i>or</i> |
| SPN 4801 | Spanish Morphosyntax |

- 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>.

9. Internship II Block (12 hrs)

| | | |
|----------|---------------|--------|
| FLE 4941 | Internship II | 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-5.066.

10. Foreign Language Requirements (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.)

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 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

13. Total Semester Hours Required 120 hrs

Consult with your Education advisor and review your degree audit for more recent information.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

14. Recommended Four Year Sequence of Courses

Freshman Year

| | | | |
|-----------------------------------|-----------------|---------------------------------|-----------------|
| Fall | (12 hrs) | Spring | (12 hrs) |
| EDF 2005 Intro to Education | 3 | EDG 2701 Teaching Diverse Pop | 3 |
| ENC 1101 English Composition I | 3 | ENC 1102 English Composition II | 3 |
| MGF 1106 Finite Mathematics | 3 | POS 2041 American National Gov | 3 |
| PSY 2012 General Psychology | 3 | PSC 1121 Physical Science | 3 |
| Summer | (3 hrs) | | |
| EME 2040 Technology for Educators | 3 | | |

Sophomore Year

| | | | |
|--|-----------------|--|-----------------|
| Fall | (15 hrs) | Spring | (12 hrs) |
| AMH 2010 U.S. History 1492-1877 | 3 | AMH 2020 US History 1877-present | 3 |
| EDF 2130 Child and Adol Dev Ed* | 3 | SPN 3234 Adv Direct Read | 3 |
| SPC 1600 Fund of Oral Comm | 3 | BSC 1005 Biological Principles <i>or</i> | 3 |
| STA 2014C Principles of Statistics <i>or</i> | 3 | ANT 2511 The Human Species | |
| STA 1060C Basic Stat MS Excel | | PHI 2010 Intro to Philosophy | 3 |
| EEX 4242 Teach Ex Stud in Sec Settgs | 3 | | |

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Summer (3 hrs)

TSL 4080 Theory & Prac of Teach ESOL 3
Students in Schools

Junior Year

| | | | |
|------------------------------------|-----------------|---|-----------------|
| Fall | (15 hrs) | Spring | (15 hrs) |
| EDG 4410 Teach Strat & Class Mgmt | 3 | EDF 4467 Learn Theory & Assmt | 3 |
| SPN 3300 Adv Span Gram & Comp | 3 | SPN 3345 Adv Span Native Fluenc II | 3 |
| SPN 3344 Adv Span Native Fluency I | 3 | RED 4043 Content Reading K-12 | 3 |
| SPN 3420 Spanish Comp | 3 | SPW 3100 Survey of Span Lit I <i>or</i> | 3 |
| SPN 3760 Adv Span Oral Comm | 3 | SPW 3130 Survey of Latin Am Lit I | 3 |
| | | Upper division restricted elective (SPN 4XXX) | 3 |

Summer (9 hrs)

FLE 4314 For Lang Tch in Elem Sch 3
FLE 4333 For Lang Tch in Sec Sch 3
EDF 4603** Anal & Appl of Eth, Legal, & Safe Issues in Sch 3

**This course may be taken in the Fall of the senior year with consent of instructor.

UCF Degree Programs

| | | | |
|------------------------------------|----------|------------------------|----------|
| Senior Year | | | |
| Fall | (12 hrs) | Spring | (12 hrs) |
| FLE 3940 Intern I | 3 | FLE 4941 Internship II | 12 |
| Select one | | | |
| SPN 4410 Adv Span Conversation | or 3 | | |
| SPN 4421 Adv Spanish Comp | or | | |
| SPN 4510 Spanish Civil & Cult | or | | |
| SPN 4520 Latin Am Civil & Cult | | | |
| Select one | 3 | | |
| SPN 3852 Bilinguismo | or | | |
| SPN 4800 Spanish American Syntax | or | | |
| SPN 4801 Spanish Morphosyntax | | | |
| Select one | 3 | | |
| SPW 3130 Survey of Latin Am Lit I | or | | |
| SPW 3131 Survey of Latin Am Lit II | | | |

FORENSIC SCIENCE - ANALYSIS TRACK (B.S.)

College of Sciences

Department of Chemistry, CH 329, 407-823-6205

<http://www.cos.ucf.edu/chemistry>

E-mail: chemistry@ucf.edu

Contact: B. Fookes

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 science and math) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the program 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 without exception.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36+3 hrs)

(Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36)

| | |
|--|-------|
| A. Communication Foundations | |
| 1. Select ENC 1101 and ENC 1102 | 6 hrs |
| 2. Prefer SPC 1016 | 3 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| 1. Select MAC 2311 | 4 hrs |
| 2. Select STA 2023 | 3 hrs |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | |
| 1. Select PHY 2048 & L (PR: MAC 2311) | 4 hrs |
| 2. Select BSC 2010C | 4 hrs |

2. Common Program Prerequisites (16 hrs)

| | | |
|-------------|-------------------------------|-------|
| BSC 2010C | Biology I | GEP |
| CHM 2045C* | Chem Fund I | 4 hrs |
| CHM 2046&L | Chem Fund II with Lab | 4 hrs |
| MAC 2311 | Calculus w/ Anal Geometry I | GEP |
| MAC 2312 | Calculus w/ Anal Geometry II | 4 hrs |
| PHY 2048&L* | Physics Engr. & Sci. I & Lab | GEP |
| PHY 2049&L* | Physics Engr. & Sci. II & Lab | 4 hrs |

*See Transfer Notes for possible substitutes

+CHM 2040C plus CHM 2041C can substitute for CHM 2045C

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Science and Math Requirements (18 hrs)

| | | |
|------------|----------------------------|-------|
| BSC 2010C | Biology I | GEP |
| CHM 2210 | Organic Chem. I | 3 hrs |
| CHM 2211&L | Organic Chem II & lab | 5 hrs |
| CHM 3120&L | Analytical Chemistry & Lab | 4 hrs |
| STA 2023 | Statistical Methods I | GEP |
| PCB 3063 | Genetics | 3 hrs |
| PCB 3233 | Immunology | 3 hrs |

| | | |
|------------|-------------------------------|-----|
| MAC 2311 | Calculus w/ Anal Geometry I | CPP |
| MAC 2312 | Calculus w/ Anal Geometry II | CPP |
| PHY 2048&L | Physics Engr. & Sci. I & Lab | CPP |
| PHY 2049&L | Physics Engr. & Sci. II & Lab | CPP |

4. Forensic Science Core (18 hrs)

| | | |
|-----------|--------------------------------|-------|
| CHS 3501 | Intro to Forensic Science | 3 hrs |
| CHS 3505C | Forensic Microscopy | 4 hrs |
| CHS 4537 | Forensic Lab Quality Assurance | 2 hrs |
| CHS 3595 | Foren Sci in the Courtroom | 3 hrs |
| CHS 3533 | Forensic Biochemistry I | 2 hrs |
| CHS 4591 | Forensic Science Internship | 4 hrs |

5. Forensic Analysis Track (28 hrs)

a. Required Courses (16 hrs)

| | | |
|-----------|-------------------------------|-------|
| CHM 3422 | Applied Physical Chemistry | 3 hrs |
| CHM 4130 | Adv Analytical Lab Technique | 3 hrs |
| CHM 4130L | Adv Analytical Chem Lab | 2 hrs |
| CHS 3511C | Trace Evidence | 4 hrs |
| CHS 3530C | Foren Anal of Controlled Subs | 4 hrs |

b. Select 12 hours from the following: (12 hrs)

| | | |
|-----------|------------------------------------|-------|
| ANT 4521C | Forensic Anthropology | 3 hrs |
| BCH 4053 | Biochemistry I | 3 hrs |
| CHM 3212L | Organic Lab Techniques II | 2 hrs |
| CHM 4912 | Undergraduate Research | 3 hrs |
| CHS 4506C | Forensic Investigating Techniques | 3 hrs |
| CHS 4515C | Forensic Crime Scene Investigation | 4 hrs |
| CHS 4547C | Advanced Topics in Trace Evidence | 3 hrs |
| PCB 3063L | Genetics Lab | 1 hr |
| PCB 3233L | Immunology Lab | 1 hr |

Substitutions require prior approval by the department

6. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2 and 3 of the departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 4 and 5 of the departmental degree requirements.
- Computer Competency met by CHS 3505C and CHS 4537.
- American Board of Criminalists (ABC) exit exam must be taken prior to graduation, or an exit exam specified by the department.
- 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 CLAST must be completely satisfied.

7. Foreign Language Requirements (0-8 hrs)

Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation: none

8. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required 124 hrs

Related Programs: Chemistry, Forensic Biochemistry Track

Related Minors: Chemistry

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 common program prerequisites if taken prior to transferring to UCF:

- CHM 2045C*: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C
- MAC 2311* & 2312*: Although MAC 2253 & 2254 will satisfy the CPP, MAC 2311 & 2312 are required in the major and still must be taken.
- PHY 2048 & Lab* and 2049 & Lab* : Although CPP requirements permit substitution by Organic Chemistry (CHM 2210 & 2211), PHY 2048 & L, PHY 2049 & L, CHM 245, and CHM 2046 are required for graduation, so all must be taken.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$90 per term
- Part-time Student\$45 per term

Suggested 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.

Summer

Take Chemistry Placement Test - <http://chemplacement.sdes.ucf.edu/>

Take Math Placement Test - <http://mathplacement.sdes.ucf.edu/>

Freshman Year

| Fall | Spring | | |
|----------------------------|------------------------------|---|--|
| BSC 2010C Biology I | 4 PHY 2048 Phy for Eng Sci I | 3 | |
| ENC 1101 Composition I | 3 PHY 2048L Phy L Eng Sci I | 1 | |
| MAC 2311 Calc Anal Geo I | 4 CHM 2046 Chemistry Fund II | 3 | |
| CHM 2045C Chemistry Fund I | 4 CHM 2046L Chemistry Fund L | 1 | |
| | MAC 2312 Calc Anal Geo II | 4 | |
| | CHS 3501 Intro to For Sci | 3 | |

Sophomore Year

| Fall | Spring | | |
|-----------------------------|------------------------------|---|--|
| MUL 2010* req# 1B2-GEP | 3 EUH 2001* req# 1B1-GEP | 3 | |
| SPC 1016 Tech Presentations | 3 CHM 2211 Organic Chm II | 3 | |
| STA 2023 Stat Methods I | 3 CHM 2211L Organic L Tech I | 2 | |
| PHY 2049 Phy for Eng Sci II | 3 ANT 4521C* req# 5b-RElect | 3 | |
| PHY 2049L Phy L Eng Sci II | 1 ENC 1102 Composition II | 3 | |
| CHM 2210 Organic Chm I | | 3 | |

Junior Year

| Fall | Spring | | |
|-----------------------------|-------------------------------|---|--|
| CHM 3120 Analy Chemistry &L | 4 CHM 4912 Elective | 3 | |
| PCB 3063 Genetics | 3 REL 2300* req# 1B3-GEP | 3 | |
| PCB 3063L Genetics L | 1 CHS 3595 For Sci in the CrI | 3 | |
| CHS 3505C Forensic Mic | 4 CHM 4130 Adv Analy L Tech | 3 | |
| CHS 4537 For L Qual Assur | 2 BCH 4053* req# 5b-RElect | 3 | |
| | CHM 4130L Adv Analy Chm L | 2 | |

Senior Year

| Fall | Spring | | |
|------------------------------|-----------------------------|---|--|
| PCB 3233 Immunology | 3 POS 2041* req# 1D1-GEP | 3 | |
| PCB 3233L Immunology Lab | 1 CHS 4515C* req# 5b-RElect | 4 | |
| CHS 3533 Forensic Biochem I | 2 PSY 2012* req# 1D2-GEP | 3 | |
| CHM 3422 Applied Phy Chm | 3 CHS 3511C Trace Evidence | 4 | |
| CHS 3530C Forensic analysis | 4 ABC Exam See catalog | 0 | |
| Elective* Check restrictions | | 3 | |
| Summer | | | |
| CHS 4591 For Science Intrn | | 4 | |

FORENSIC SCIENCE-BIOCHEMISTRY TRACK (B.S.)

College of Sciences

Department of Chemistry, CH 223, 407-823-0163

<http://www.cos.ucf.edu/chemistry/>

E-mail: chemistry@ucf.edu

Contact: J. Ballantyne

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 or internship 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 science and math) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the program 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 without exception.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program

(36+3 hrs)

(Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36)

| | | |
|--|--|-------|
| A. Communication Foundations | | |
| 1. Select ENC 1101 and ENC 1102 | | 6 hrs |
| 2. Prefer SPC 1016 | | 3 hrs |
| B. Cultural and Historical Foundations | | 9 hrs |
| C. Mathematical Foundations | | |
| 1. Select MAC 2311 | | 4 hrs |
| 2. Select STA 2023 | | 3 hrs |
| D. Social Foundations | | 6 hrs |
| E. Science Foundations | | |
| 1. Select PHY 2048&L (PR: MAC 2311) | | 4 hrs |
| 2. Select BSC 2010C | | 4 hrs |

2. Common Program Prerequisites

(16 hrs)

| | | |
|-------------|-------------------------------|-------|
| BSC 2010C | Biology I | GEP |
| CHM 2045C* | Chem Fund I | 4 hrs |
| CHM 2046&L | Chem Fund II with Lab | 4 hrs |
| MAC 2311 | Calculus w/ Anal Geometry I | GEP |
| MAC 2312 | Calculus w/ Anal Geometry II | 4 hrs |
| PHY 2048&L* | Physics Engr. & Sci. I & Lab | GEP |
| PHY 2049&L* | Physics Engr. & Sci. II & Lab | 4 hrs |

*See Transfer Notes for possible substitutes

+CHM 2040C plus CHM 2041C can substitute for CHM 2045C

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Science and Mathematics Requirements

(20 hrs)

| | | |
|------------|----------------------------|-------|
| BSC 2010C | Biology I | GEP |
| CHM 2210 | Organic Chem. I | 3 hrs |
| CHM 2211&L | Organic Chem. II & lab | 5 hrs |
| CHM 3120&L | Analytical Chemistry & lab | 4 hrs |
| STA 2023 | Statistical Methods I | GEP |
| PCB 3063&L | Genetics & lab | 4 hrs |
| PCB 3233&L | Immunology & lab | 4 hrs |
| MAC 2311 | Calculus & Anal Geo I | CPP |
| MAC 2312 | Calculus & Anal Geo II | CPP |
| PHY 2048&L | Physics Science & Eng I | CPP |
| PHY 2049&L | Physics Science & Eng II | CPP |

4. Forensic Science Core

(18 hrs)

| | | |
|-----------|--------------------------------|-------|
| CHS 3501 | Intro to Forensic Science | 3 hrs |
| CHS 3505C | Forensic Microscopy | 4 hrs |
| CHS 4537 | Forensic Lab Quality Assurance | 2 hrs |
| CHS 3595 | Foren Sci in the Courtroom | 3 hrs |
| CHS 3533 | Forensic Biochemistry I | 2 hrs |
| CHS 4591 | Forensic Science Internship | 4 hrs |

5. Forensic Biochemistry Track

(30 hrs)

| | | |
|-----------|---------------------------------|-------|
| MCB 3020C | General Microbiology | 5 hrs |
| BCH 4053 | Biochemistry I | 3 hrs |
| BCH 4054 | Biochemistry II | 3 hrs |
| BCH 4103L | Biochemical Methods Lab | 2 hrs |
| PCB 3522 | Molecular Biology I | 3 hrs |
| PCB 4524 | Molecular Biology II | 3 hrs |
| BSC 3403C | Quantitative Biological Methods | 4 hrs |
| CHS 4534C | Forensic Biochemistry II | 3 hrs |
| CHS 4532 | Interpretation of DNA Evidence | 3 hrs |
| CHS 3533L | Forensic Biochemistry Lab | 1 hr |

6. 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.

UCF Degree Programs

- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2 and 3 of the departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 4 and 5 of the departmental degree requirements.
- Computer Competency met by CHS 3505C and CHS 4537.
- American Board of Criminalists (ABC) exit exam must be taken prior to graduation, or an exit exam specified by the department.
- 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 CLAST must be completely satisfied.

7. Foreign Language Requirements (0-8 hrs)

Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation: none

8. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required 124 hrs

Related Programs: Chemistry, Forensic Science Analysis Track, Molecular Biology and Microbiology

Related Minors: Chemistry, Molecular Biology and Microbiology

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 common program prerequisites if taken prior to transferring to UCF:

- CHM 2045C*: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C
- MAC 2254*: may use MAC 2311 & 2312
- MAC 2311* & 2312*: Although MAC 2253 & 2254 will satisfy the CPP, MAC 2311 & 2312 are required in the major and still must be taken.
- PHY 2048&Lab* and 2049&Lab*: Program admission requirements may permit substitution by Organic Chemistry (CHM 2210 & 2211). However, PHY 2048&L, PHY 2049&L, and Organic Chemistry through CHM 2046 are required for graduation.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$90 per term
- Part-time Student\$45 per term

Suggested 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.

Summer

Take Chemistry Placement Test ~ <http://chemplacement.sdes.ucf.edu/>
Take Math Placement Test ~ <http://mathplacement.sdes.ucf.edu/>

Freshman Year

| | | | |
|----------------------------|---|----------------------------|---|
| Fall | | Spring | |
| BSC 2010C Biology I | 4 | PHY 2048 Phy for Eng Sci I | 3 |
| ENC 1101 Composition I | 3 | PHY 2048L Phy L Eng Sci I | 1 |
| MAC 2311 Calc Anal Geo I | 4 | CHM 2046 Chemistry Fund II | 3 |
| CHM 2045C Chemistry Fund I | 4 | CHM 2046L Chemistry Fund L | 1 |
| | | MAC 2312 Calc Anal Geo II | 4 |
| | | CHS 3501 Intro to For Sci | 3 |

Sophomore Year

| | | | |
|-----------------------------|---|----------------------------|---|
| Fall | | Spring | |
| EUH 2000* req# 1B1-GEP | 3 | MUL 2010* req# 1B2-GEP | 3 |
| SPC 1016 Tech Presentations | 3 | POS 2041* req# 1D1-GEP | 3 |
| STA 2023 Stat Methods I | 3 | CHM 2211 Organic Chm II | 3 |
| PHY 2049 Phy for Eng Sci II | 3 | CHM 2211L Organic L Tech I | 2 |
| PHY 2049L Phy L Eng Sci II | 1 | MCB 3020C General Micro | 5 |
| CHM 2210 Organic Chm I | 3 | | |

Junior Year

| | | | |
|-----------------------------|---|------------------------------|---|
| Fall | | Spring | |
| CHM 3120 Analy Chemistry &L | 4 | ENC 1102 Composition II | 3 |
| PCB 3063 Genetics | 3 | REL 2300* req# 1B3-GEP | 3 |
| PCB 3063L Genetics L | 1 | CHS 3595 For Sci in the Crt | 3 |
| CHS 3505C Forensic Mic | 4 | CHS 4532 Interp of Evdnc | 3 |
| CHS 4537 For L Qual Assur | 2 | Elective* Check restrictions | 2 |

Senior Year

| | | | |
|-----------------------------|---|-----------------------------|---|
| Fall | | Spring | |
| PCB 3233 Immunology | 3 | PSY 2012* req# 1D2-GEP | 3 |
| PCB 3233L Immunology L | 1 | BCH 4054 Biochemistry II | 3 |
| CHS 3533 Forensic Biochem I | 2 | BCH 4103L Biochem Methods | 2 |
| BCH 4053 Biochemistry I | 3 | BSC 3403C Quant Bio Methods | 4 |
| PCB 3522 Mol Biology I | 3 | CHS 4534C For Biochem II | 3 |
| PCB 4524 Mol Biology II | 3 | | |
| CHS 3533L Foren Bioch Lab | 1 | | |
| Summer | | | |
| CHS 4591 For Science Intrn | 4 | | |

FRENCH (B.A.)

College of Arts and Humanities

Department of Modern Languages & Literatures
CNH 523

<http://mll.cah.ucf.edu/>

E-mail: forlang@mail.ucf.edu

Contact: P. Giordano, 407-823-2472

Admission Requirements

none

Placement in Language courses

Placement in Modern Language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school French may place the student in the first semester of the third year. Native speakers, or students who have received advanced education in French-speaking societies, may not take lower division French courses. They must also substitute other upper division level courses for FRE 3420, FRE 4422, FRE 3760, and FRE 4421.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- 36 credits in French must be taken at the 3000 level or above.
- At least six of the 36 French credits must be at the 4000 level.
- At least 30 hours must be taken in Modern Language courses taught in French.
- Earn at least a "C" (2.0) in each upper division French course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (Gen Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

| | |
|--|-----------------|
| 1. UCF General Education Program | (36 hrs) |
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| Select MGF 1106 Finite Mathematics (may substitute a higher level math) | 3 hrs |
| Prefer STA 1060C Statistics Using Excel | 3 hrs |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 6 hrs |

| | |
|--|-------------------|
| 2. Common Program Prerequisites | (0-14 hrs) |
| FRE 1120C* Elem French Lang & Civ I | 4 hrs |
| FRE 1121C* Elem French Lang & Civ II | 4 hrs |
| FRE 2200* Interm French Lang & Civ I | 3 hrs |
| FRE 2201* Interm French Lang & Civ II | 3 hrs |

*May be met by proficiency test or completion of FRE 2201
See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

| | |
|--|-----------------|
| 3. Core requirements | (21 hrs) |
| FRE 3300* Advanced Grammar | 3 hrs |
| FRE 3420* French Composition | |
| or | 3 hrs |
| FRE 4422 Advanced French Composition | |
| FRE 3760* Adv French Oral Communication | |
| or | 3 hrs |
| FRE 4421 Advanced French Conversation | |
| FRW 3100 Survey of French Literature I | 3 hrs |
| FRW 3101 Survey of French Literature II | 3 hrs |
| FRE 3780* French Phonetics and Diction | 3 hrs |
| FOL 3730 Romance Philology | 3 hrs |

*A native or near-native French speaker must substitute alternate upper division French courses in consultation with a departmental advisor.

| | |
|---|-----------------|
| 4. Upper Division Restricted Electives | (15 hrs) |
| French literature beyond the survey level (taught in French) | 6 hrs |
| French courses | 9 hrs |

- 5. 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 CGS 1060C or equivalent

| | |
|---|-------------------|
| 6. Foreign Language Requirements | (0-16 hrs) |
| Admission: Met by Graduation requirements. | |
| Graduation: Met by Common Program Prerequisites. | |

- 7. Electives** (variable)
- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

- 8. University Minimum Exit Requirements**
- A 2.0 UCF GPA
 - 60 semester hours earned after CLEP awarded
 - 48 semester hours of upper division credit completed
 - 30 of the last 36 hours of course work must be completed in residency at UCF
 - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
 - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required **120 hrs**

Related Programs: Spanish, Foreign Language Combination

Related Minors: French, German, Italian, Judaic Studies, Latin American and Iberian Area Studies, Spanish

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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

GENERAL BUSINESS (B.S.B.A.)

College of Business Administration

BA2 101, 407-823-2184

<http://www.bus.ucf.edu>

E-mail: uss@bus.ucf.edu

Faculty Advisor: Undergraduate Student Services, BA2 101, 407-823-2184

Admission Requirements

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

Degree Requirements

| | |
|--|-----------------|
| 1. UCF General Education Program | (36 hrs) |
| A. Communication Foundations | 9 hrs |
| Required: SPC 1600 | |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| Select MAC 1140 Pre-Calculus | 3 hrs |
| Select CGS 2100C Computer Fundamentals for Bus | 3 hrs |
| D. Social Foundations | |
| Select ECO 2013 Macroeconomics or | 3 hrs |
| ECO 2023 Microeconomics | |
| Select one: PSY 2012, SYG 2000, ANT 2000 | 3 hrs |
| E. Science Foundation | 6 hrs |

| | |
|--|--------------------|
| 2. Common Program Prerequisites | (18-21 hrs) |
|--|--------------------|

Must be completed with a "C" (2.0) or better.

| | | |
|-----------|-------------------------------------|-------|
| ACG 2021 | Principles of Financial Accounting | 3 hrs |
| ACG 2071 | Principles of Managerial Accounting | 3 hrs |
| ECO 2013 | Macroeconomics | 3 hrs |
| ECO 2023 | Microeconomics | 3 hrs |
| *ECO 3401 | Quantitative Business Tools I | 3 hrs |
| CGS 2100C | Computer Fundamentals for Business | 3 hrs |

*At UCF, students who have completed MAC2233 and STA2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

| | |
|------------------------|-----------------|
| 3. Core Classes | (36 hrs) |
|------------------------|-----------------|

First or subsequent semester in the College of Business Administration:

| | | |
|-----------|---|-------|
| GEB 3031 | Cornerstone (Required in 1st or 2nd semester) | 4 hrs |
| GEB 3375 | Introduction to International Business | 4 hrs |
| BUL 3130 | Legal & Ethical Environments of Business | 4 hrs |
| ECO 3411 | Quantitative Business Tools II | 4 hrs |
| FIN 3403 | Business Finance | 4 hrs |
| MAN 3025 | Management of Organizations | 4 hrs |
| ISM 3011C | Essentials of Management Information Systems | 4 hrs |
| MAR 3023 | Marketing | 4 hrs |

| | | |
|-----------------------|----------------------|-------|
| Last Semester: | | |
| MAN 4720 | Strategic Management | 4 hrs |

4. Special college and/or department requirements:

- Must complete all Gordon Rule requirements, prior to admission to this degree.
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Students wanting to major in General Business must apply for admission to the major.
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the major and COB.

UCF Degree Programs

- 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.

5. Second Level Core (5 courses):

Students must take one course from each of the following areas: Economics (must take ECP 4703), Finance, Management, Management Information Systems, and Marketing. These five courses are restricted to the courses listed below:

Finance

| | |
|----------|--------------------------------|
| FIN 3303 | Financial Markets |
| FIN 3414 | Intermediate Corporate Finance |
| FIN 3504 | Investment Analysis |

Management

| | |
|----------|-------------------------------------|
| MAN 3301 | Management of Human Resources |
| MAN 4240 | Organizations: Theory and Behavior |
| MAN 4441 | Conflict Resolution and Negotiation |
| GEB 3113 | How to Start a Business |

Management Information Systems

| | |
|----------|------------------------------------|
| ISM 3253 | MIS Techniques |
| ISM 4153 | Enterprise Information Systems |
| ISM 4154 | Enterprise Application Development |

Marketing

| | |
|----------|-------------------------------|
| MAR 3613 | Marketing Research & Analysis |
| MAR 3403 | Sales Force Management |
| MAR 4841 | Service Marketing |
| MAR 4156 | International Marketing |

Economics*

| | |
|----------|------------------------------|
| ECO 3223 | Money and Banking |
| ECP 3203 | Contemporary Labor Economics |
| ECP 4703 | Managerial Economics |

*ECP 4703 is required. ECP 3203 and ECO 3223 are restrictive electives only. With permission of Economic advisor, any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restrictive elective. This substitution must be petitioned and have written approval.

6. Restricted Electives (three courses): (9 hrs)

Restricted electives are to be taken from two different departments and from the courses listed above, at least two of the restricted electives must be at the 4000 level.

7. 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 first major.

8. Foreign Language Requirements (0-8 hrs)

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

Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF.

- 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.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

10. Electives*** (variable)

Total Semester Hours Required 120 hrs

***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.oegas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$22 per term
- Part-time Student\$11 per term

FOUR YEAR PLAN OF STUDY - ALL GENERAL BUSINESS

MAJORS

Freshman

| 1st Term | 15 hrs | 2nd Term | 15 hrs |
|--------------|--------|---------------|--------|
| ENC 1101* | 3 | ENC 1102* | 3 |
| Cult-Hist I* | 3 | Cult-Hist II* | 3 |
| SPC 1600 | 3 | Art/Music/Lit | 3 |
| ***Elective | 3 | MAC 1105* | 3 |
| ***Elective | 3 | CGS 2100C* | 3 |

Must complete nine hours in a summer term

Sophomore

| 1st Term | 15 hrs | 2nd Term | 15 hrs |
|-------------|--------|------------|--------|
| ECO 2023* | 3 | ECO 2013* | 3 |
| ACG 2021* | 3 | ACG 2071* | 3 |
| Science | 3 | Science | 3 |
| Psy/Soc/Ant | 3 | **Elective | 3 |
| **Elective | 3 | ECO 3401* | 3 |

*"C" (2.0) or better grade required in each class

Student should choose to major in one of the two areas of study below

GENERAL BUSINESS MAJOR

Junior

| 1st Term | 16 hrs | 2nd Term | 15 hrs |
|-----------|--------|---------------------|--------|
| GEB 3031 | 4 | Required MAN Course | 3 |
| BUL 3130 | 4 | MAR 3023 | 4 |
| ISM 3011C | 4 | ECO 3411 | 4 |
| MAN 3025 | 4 | FIN 3403 | 4 |

Senior

| 1st Term | 16 hrs | 2nd Term | 13 hrs |
|----------------------------------|--------|----------------------------------|--------|
| GEB 3375 | 4 | MAN 4720 | 4 |
| Required FIN Course | 3 | ECP 4703 | 3 |
| Required ISM Course | 3 | Gen. Bus. Restrictive Elective** | 3 |
| Required MAR Course | 3 | Gen. Bus. Restrictive Elective** | 3 |
| Gen. Bus. Restrictive Elective** | 3 | | |

**Students take 3 restrictive electives from approved list described above

***General electives as required to reach 120 semester hours.

GENERAL BUSINESS (B.S.B.A.)

A.S. to B.S. TRACK

Note: For detailed information, see description of this program in the **Statewide Articulated AS to BS Programs** section.

HEALTH INFORMATION MANAGEMENT (B.S.)

**College of Health and Public Affairs
Department of Health Management and Informatics
HPA2 210, 407-823-2353**

<http://www.cohpa.ucf.edu/health.pro/>

Undergraduate Program Director: Alice M. Noblin, RHIA;
E-mail: anoblin@mail.ucf.edu

Admission Requirements Limited Access

Acceptance to the university does not necessarily constitute admission to the upper division health information management program.

- **Separate Application** to the limited access program must be made directly to the program prior to March 1 of the year admission is sought
- UCF application must also be submitted by the program deadline of March 1st. Acceptance to UCF is necessary before acceptance to the program can occur
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program
- All applicants must have a minimum overall GPA of 2.5 and complete all program prerequisite courses with at least a grade of "C" (2.0)

Degree Requirements

- Students who are pending Health Information Management and are admitted to the program must adopt the most current catalog
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisites Requirements before transferring within the Florida Public University/ Community College System
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Health Information Management Program
- UCF Residency Requirement: 30 hours

1. UCF General Education Program (37 hrs)

- A. Communication Foundations 9 hrs
- B. Cultural Historical Foundations 9 hrs
- C. Mathematical Foundations 6 hrs
 - Select MAC 1105
 - Select STA 2014C
- D. Social Foundations 6 hrs
- E. Science Foundations 7 hrs
 - Select BSC 2010C
 - Select CHM 1032

2. Common Program Prerequisites (17 hrs)

- ZOO 3733C Human Anatomy* 4 hrs
- PCB 3703C Human Physiology* 4 hrs
- STA 2014C Statistics 6 hrs
- CGS 2100C Computer Science for Business* 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs

*See Transfer Notes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements (66 hrs)

- HSC 3147 Introduction to Pharmacology 3 hrs
- HSA 3170 Health Care Finance 3 hrs
- HSA 4109 Principles of Managed Care 3 hrs
- HSA 4191 Health Care Automation 3 hrs
- HSA 4702 Health Sciences Research Methods 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HSC 4652 Health Law & Ethics 3 hrs
- HSC 4555 Pathophysiologic Mechanisms 3 hrs
- HSA 4180 Organization /Management for Health Agencies 3 hrs
- or MAN 3025 Management of Organizations
- HIM 3006 Foundations of Health Information Management 3 hrs
- HIM 3116C Health Record Organization & Management 4 hrs
- HIM 3806C Professional Practice Exp. I 3 hrs
- HIM 4816C Professional Practice Exp. II 3 hrs
- HIM 4226C Coding Procedures I 5 hrs
- HIM 4256C Coding Procedures II 3 hrs
- HIM 4676 Professional Development Issues in Health Information Management 3 hrs
- HIM 4344C Health Information Department Management 4 hrs
- HIM 4506C Quality Management 3 hrs
- HIM 4656C Health Information Management Systems 3 hrs
- HIM 4838 Management Affiliation 5 hrs

4. Upper Division Restricted Electives none

5. Departmental Exit Requirements (120 hrs)

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.

6. Electives none

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Exit Requirements (120 hrs)

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Related Programs: Health Services Administration, Business, Computer Science

Related Minors: Health Services Administration, Business, Computer Science

Transfer Notes:

- Community College Equivalents:
- Human Anatomy & Physiology I & II (BSC X085 and X086) 8
- Statistics (STA 2014C or any other statistics course) 3
- Computer Science for Business (CGS 2100C) 3

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 Fee

- Full-time Student\$30 per term
- Part-time Student\$15 per term

Tentative Course Schedule for Entering Freshmen

| Freshman Year* | | 14 hrs | Spring | 16 hrs |
|----------------|----------------------|--------|----------------------|--------|
| Fall | | | | |
| | ENC 1101 | 3 | ENC 1102 | 3 |
| | CHM 1032 | 3 | STA 2014C | 3 |
| | HSC 2000 | 2 | BSC 2010C | 4 |
| | MAC 1105 | 3 | EUH 2000 or HUM 2210 | 3 |
| | PSY 2012 or SYG 2000 | 3 | or AMH 2010 | |
| | or ANT 2000 | | POS 2041 or ECO 2013 | 3 |

*Plan your required nine summer hours into your course of study

UCF Degree Programs

Sophomore Year

| | | | |
|-----------------------------|--------|--|--------|
| Fall | 13 hrs | Spring | 13 hrs |
| ACG 2021 | 3 | ACG 2071 | 3 |
| ZOO 3733C | 4 | PCB 3703C | 4 |
| EUH 2001 <i>or</i> HUM 2230 | 3 | SPC 1600 | 3 |
| <i>or</i> AMH 2020 | | One Course: ARH 2050 | 3 |
| CGS 2100C | 3 | ARH 2051, MUL 2010, THE 1020, REL 2300, PHI 2010, LIT 2110, LIT 2120 | |

Junior Year

| | | | |
|-------------------------------|--------|-----------|--------|
| Fall | 15 hrs | Spring | 15 hrs |
| HSA 4191** | 3 | HIM 4226C | 5 |
| HSC 4555** | 3 | HIM 3116C | 4 |
| HIM 3006 | 3 | HIM 3806C | 3 |
| MAN 3025** <i>or</i> HSA 4180 | 3 | HSC 3147 | 3 |
| HSC 3537** | 3 | | |
| Summer | 6 hrs | | |
| HSA 4109 | 3 | | |
| HSC 4652** | 3 | | |

Senior Year

| | | | |
|------------|--------|------------|--------|
| Fall | 13 hrs | Spring | 12 hrs |
| HIM 4344C | 4 | HIM 4676 | 3 |
| HSA 3170** | 3 | HIM 4656C | 3 |
| HIM 4506C | 3 | HIM 4816C | 3 |
| HIM 4256C | 3 | HSA 4702** | 3 |
| Summer | 5 hrs | | |
| HIM 4838 | 5 | | |

**Note: The asterisked courses may be taken at any time during the two years. The HIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

HEALTH SCIENCES - ATHLETIC TRAINING TRACK (B.S.)

College of Health and Public Affairs
Department of Health Professions
HPA2 210, 407-823-3463

<http://www.cohpa.ucf.edu/health.pro/athletic>

Undergraduate Program Director: Kristen C. Schellhase, MEd, ATC, CSCS, E-mail: kschellh@mail.ucf.edu

Admission Requirements

Students may only begin the athletic training program track in the Summer B semester and must have:

- Acceptance to the University as an undergraduate student in Health Sciences - Athletic Training Pending. Acceptance into the university does not constitute admission into the Program in Athletic Training.
- A separate application to this competitive restricted access program must be made to the Program in Athletic Training by March 1st. Acceptance into the university for the summer semester is necessary before acceptance into the Program in Athletic Training can occur.
- A minimum of 2.75 overall grade point average and a minimum grade of "C" (2.0) in program prerequisites.
- Completion of an AA degree from a Florida Community College; or completion of UCF's General Education Program.
- This program is work-intensive and courses include clinical practice in a variety of settings. Due to this intensity, it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Consent of Program Director.
- A minimum of 100 documented clock hours working, volunteering, or shadowing with a licensed certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a traditional athletic training setting (high school, college, professional).

Technical Standards Requirement

The Program in Athletic Training at University of Central Florida is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards establish the essential qualities considered necessary for students admitted to this

program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the program's accrediting agency (Commission on Accreditation of Athletic Training Education [CAATE]). The following abilities and expectations must be met by all students admitted to the Program in Athletic Training. In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into the program. Compliance with the program's technical standards does not guarantee a student's eligibility for the BOC examination.

Candidates for selection to the Program in Athletic Training 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.

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.

Degree Requirements

- Students who are pending Athletic Training Track and are admitted to the major must adopt the most current catalog
- Students should complete the General Education Program, Admission Foreign Language requirement and the Common Program Prerequisites before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- Accepted students must agree to be available for practicum requirements which may occur during times and days which are outside of the UCF Academic Calendar; once admitted into the Program in Athletic Training, students must consult the Clinical Education Coordinator and/or Program Director well in advance of any potential scheduling conflicts
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- UCF Residency Requirement: 30 hours

1. UCF General Education Program

| | |
|------------------------------------|----------|
| A. Communication Foundations | (36 hrs) |
| B. Cultural Historical Foundations | 9 hrs |
| | 9 hrs |

| | |
|---|-------|
| C. Mathematical Foundations Select MAC 1105 Select STA 2023 | 6 hrs |
| D. Social Foundations Select POS 2041 Select PSY 2012 | 6 hrs |
| E. Science Foundations Select BSC 2010C Select CHM 1032 | 6 hrs |

2. Common Course Prerequisites (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.

| | | |
|------------|---|-------|
| BSC 2010C | Biology I and Lab | GEP |
| ZOO 3733C | Human Anatomy | 4 hrs |
| PCB 3703C | Human Physiology | 4 hrs |
| CHM 2045C | Chemistry Fundamentals I | GEP |
| PHY 2053C | Coll Physics I (algebra based) <i>or</i> | 4 hrs |
| PHY 2048&L | Physics for Scientists I (calculus based) | |
| HUN 2002 | Modern Concepts of Nutrition | 3 hrs |
| STA 2023 | Statistical Methods I | GEP |
| PSY 2012 | General Psychology | GEP |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Professional Phase (62 hrs)

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.

| | | |
|-----------|---|-------|
| PET 4603C | Introduction to Athletic Training | 3 hrs |
| PET 3620 | Principles of Athletic Training | 3 hrs |
| PET 3633C | Clinical Skills for Athletic Trainers | 2 hrs |
| PET 3670L | Practicum in Athletic Training I | 4 hrs |
| HSC 3147 | Introduction to Pharmacology | 3 hrs |
| PET 3623C | Recognition and Evaluation of Athletic Injuries I | 3 hrs |
| PET 4315C | Biomechanics of Sport | 3 hrs |
| PET 3671L | Practicum in Athletic Training II | 4 hrs |
| PET 4624C | Recognition and Evaluation of Athletic Injuries II | 3 hrs |
| HSA 4702 | Health Science Research | 3 hrs |
| PET 4630C | Therapeutic Exercise in Athletic Training | 4 hrs |
| PET 4632C | Therapeutic Modalities in Athletic Training | 4 hrs |
| PET 4660C | Organization and Administration in Athletic Training | 3 hrs |
| PET 3510C | Physiologic and Metabolic Basis of Human Movement and Performance | 3 hrs |
| PET 4636C | Advanced Rehabilitation in Athletic Training | 2 hrs |
| PET 4672L | Practicum in Athletic Training III | 4 hrs |
| PET 4606 | Applied Fitness in Sport | 3 hrs |
| PET 4673L | Practicum in Athletic Training IV | 4 hrs |
| PET 4604 | Sports Medicine in Field Application | 3 hrs |
| PET 4674 | Senior Seminar | 1 hr |

4. Upper Division Restricted Electives none

5. Departmental Exit Requirements (120 hrs)

Two years of successful clinical rotation under the direct supervision of an Approved Clinical Instructor (ACI).

6. Electives (variable)

Suggested electives relate to Health Sciences, Business, Education, Health Services, Health Information Management, Administration, Psychology, and Sports & Fitness.

7. Foreign Language Requirements (0-8 hrs)

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. Program 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.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Business, Public Administration, Sports and Fitness, Health Services Administration, Health Information Management, Health Sciences - Pre-Clinical Allied Health Track

Related Minors: Business, Computer Sciences, Aging Studies, Biology, Coaching, Fitness Training, Health Information Management, Health Sciences, Health Services Administration and Public Administration. Courses leading to a teaching certificate (education) are also appropriate. Electives in advanced scientific, clinical or quantitative subjects are also advisable.

Transfer Notes:

| | |
|---|-------|
| Biology I with Lab (BSC 1010/L) | 4 hrs |
| Human Anatomy and Physiology I & II (BSC X093 and X094 <i>or</i> BSC X085 and X086) | 8 hrs |

Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

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 Fee

- Full-time Student\$15 per term
- Part-time Student\$7.50 per term

Tentative Course Schedule for Entering Freshmen

| | | | |
|---------------------------------------|---------------|---------------------------------------|---------------|
| Freshman Year | | | |
| Fall | 15 hrs | Spring | 13 hrs |
| ENC 1101 | 3 | ENC 1102 | 3 |
| PSY 2012 | 3 | POS 2041 | 3 |
| HSC 2000 | 2 | BSC 2010C | 4 |
| MAC 1105 | 3 | MAC 1114 | 3 |
| CHM 2045C | 4 | | |
| Sophomore Year | | | |
| Fall | 14 hrs | Spring | 16 hrs |
| PHY 2053C | 4 | MUL 2010 <i>or</i> REL 2300 <i>or</i> | 3 |
| ZOO 3733C | 4 | THE 2000 <i>or</i> PHI 2010 | |
| STA 2023 | 3 | HUN 2002 | 3 |
| EUH 2000 <i>or</i> HUM 2210 | 3 | PCB 3703C | 4 |
| <i>or</i> AMH 2010 <i>or</i> WOH 2012 | | SPC 1600 | 3 |
| | | EUH 2001 <i>or</i> HUM 2230 | 3 |
| | | <i>or</i> AMH 2020 <i>or</i> WOH 2022 | |
| Summer | | | |
| | 14 hrs | | |
| PET 4603C | 3 | | |
| PET 3620 | 3 | | |
| (Foreign Lang I) | 4 | | |
| (Foreign Lang II) | 4 | | |
| if not satisfied in high school | | | |
| Junior Year | | | |
| Fall | 12 hrs | Spring | 13 hrs |
| PET 3670L | 4 | HSA 4702 | 3 |
| PET 3633C | 2 | PET 3623C | 3 |
| PET 4624C | 3 | PET 4315C | 3 |
| HSC 3147 | 3 | PET 3671L | 4 |
| Elective* | | Elective* | |
| Summer | | | |
| | 8 hrs | | |
| PET 4630C | 4 | | |
| PET 4632C | 4 | | |
| Senior Year | | | |
| Fall | 12 hrs | Spring | 11 hrs |
| PET 4660C | 3 | PET 4674 | 1 |
| PET 3510C | 3 | PET 4606 | 3 |
| PET 4636C | 2 | PET 4673L | 4 |
| PET 4672L | 4 | PET 4604 | 3 |
| | | Elective* | |

*As needed to meet 120 hours of departmental exit requirement

UCF Degree Programs

HEALTH SCIENCES - Pre-Clinical Allied Health Track (B.S.)

College of Health and Public Affairs
Department of Health Professions
HPA2 210, 407-823-2359

<http://www.cohpa.ucf.edu/health.pro/hsgbs.cfm>

Undergraduate Program Director: David M. Segal,
E-mail: dsegal@mail.ucf.edu

The Health Sciences - Pre-Clinical Allied Health Track is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs such as physical therapy, occupational therapy, pharmacy, medicine, and physician assistant programs. Students with this preparation could also pursue graduate programs in Public Health, Environmental Health or Health Services Administration.

Admission Requirements: none

Degree Requirements

- Students who change to Pre-Clinical Allied Health Track must adopt the most current catalog.
- Students should complete the General Education Program and the Program Prerequisites requirements before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- Students must earn at least a "C" (2.0) in each course accepted as a Program Prerequisite and Core Requirement (see sections 2, 3 and 4 below).
- No transfer course will be accepted with a grade lower than a "C."
- Students should have access to a personal computer, modem, and software in order to interact with the instructional faculty.
- Courses in math, biology, chemistry and physics listed are the minimum levels. Students with adequate preparation are encouraged to enroll in higher course levels in the discipline.

1. UCF General Education Program (38 hrs)

- A. Communication Foundations 9 hrs
B. Cultural Historical Foundations 9 hrs
Select MUL 2010 Enjoyment of Music *or* REL 2300 World Religions *or* THE 2000 Theater Survey *or* PHI 2010 Intro to Philosophy
- C. Mathematical Foundations 6 hrs
Select MAC 1105 College Algebra
Select STA 2014C Principles of Statistics *or* STA 2023 Statistical Methods I
- D. Social Foundations 6 hrs
Select ECO 2013 Principles of Macroeconomics *or* ECO 2023 Principles of Microeconomics
Select PSY 2012 General Psychology
- E. Science Foundations 8 hrs
Select BSC 2010C Biology I
Select PHY 2053C College Physics I and Lab

2. Program Prerequisites (3 hrs)

- MAC 1114 Trigonometry 3 hrs
STA 2014C Principles of Statistics *or* GEP
STA 2023 Statistical Method I
BSC 2010C Biology I GEP

3. Core Requirements - Lower Division (32 hrs)

- CGS 1060C Intro to Computer Science *or*
CGS 2100C Computer Fundamentals for Business 3 hrs
CHM 2045C Chemistry Fundamentals I with lab 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals II lab 1 hrs
CHM 2205 Introduction to Organic and Biochemistry 5 hrs
DEP 2004 Developmental Psychology 3 hrs
ECO 2023 Microeconomics GEP
HSC 2000 Intro to the Allied Health Professions 2 hrs
HUN 2002 Modern Concepts in Nutrition 3 hrs
MCB 2004C Microbiology for Health Professionals 4 hrs
PHY 2053C College Physics I (not for Sci and Eng) GEP
PHY 2054C College Physics II (not for Sci and Eng) 4 hrs
PSY 2012 General Psychology GEP
STA 2014 Principles of Statistics *or*
STA 2023 Statistical Methods I GEP

4. Core Requirements - Upper Division (41 hrs)

- Basic and Health Sciences (14 hrs)
HSC 3147 Introduction to Pharmacology 3 hrs
HSC 4555 Pathophysiology 3 hrs
PCB 3703C Human Physiology 4 hrs
ZOO 3733C Human Anatomy 4 hrs
Health Services (27 hrs)
HSA 3111 US Healthcare Systems 3 hrs
HSC 4201 Community Health Services 3 hrs
HSA 4180 Org & Mgt of Health Agencies 3 hrs
HSA 3430 Health Care Economics 3 hrs
HSC 4652 Health Law & Ethics 3 hrs
HSC 4500 Epidemiology 3 hrs
HSC 4652 Healthcare Ethics 3 hrs
HSA 4702 Health Sciences Research Methods 3 hrs
HIM 4506C Quality Management 3 hrs

5. Upper Division Restricted Electives: (9 hrs)

Choose a minimum of 3 courses from the list below

- HSA 3170 Health Care Finance 3 hrs
HSA 3222 Long Term Care Administration 3 hrs
HSA 4109 Managed Care 3 hrs
HSA 4191 Health Care Automation 3 hrs
HSC 3110C Medical Self Assessment 3 hrs
HSC 3537 Medical Terminology 3 hrs
HSC 4243 Analysis of Instruction 3 hrs
HSC 4564 Healthcare Needs of the Elderly 3 hrs
HSC 3593 HIV Disease 3 hrs
HSC 4008 Professional Development of the Health Prof 3 hrs

6. Unrestricted Electives (variable)

Students who transfer in with a Florida public community college AA degree may need to take upper-level electives to reach the University requirement of 48 semester hours of upper division credit. Students are encouraged to choose courses that are pre-requisites for specific graduate clinical programs of interest.

7. Foreign Language Requirements (0-8 hrs)

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. Program Exit Requirements (120 hrs)

- The students must attain a minimum grade of "C" (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective (see sections 3 through 5 above).
- Students should note that graduate programs may require a higher level of performance for admission.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: The participating student may also consider applying for consideration to one or more of the following undergraduate professional degree options: Health Information Management, Athletic Training, Cardiopulmonary Sciences, Radiologic Sciences, and Health Services Administration. This program is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs such as physical therapy, occupational therapy, pharmacy, medicine, and physician assistant programs. Students with this preparation could also pursue graduate programs in Public Health, Environmental Health or Health Services Administration.

Related Minors: Health Information Management, Health Services Administration.

Transfer Notes: Completion of the Associate of Arts Degree at a Florida Public Community College is strongly recommended. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Students who begin a two-semester sequence course (e.g. General Chemistry) at a Florida Public Community College are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF.

Students may elect to take Organic Chemistry I (CHM 2210) and Organic Chemistry II (CHM 2211) with labs at a Florida Public Community College in order to meet the University requirement for CHM 2205.

Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University's requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I & II requirement at the Florida Public Community College (lower division) level must take an additional 8 hours of upper division coursework at UCF.

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

Tentative Course Schedule for Entering Freshmen

| | | | |
|----------------------------------|--------|-------------------------------|--------|
| Freshman Year | | | |
| Fall | 15 hrs | Spring | 14 hrs |
| ENC 1101 | 3 | ENC 1102 | 3 |
| CGS 1060C <i>or</i> CGS 2100C | 3 | CHM 2046 & 2046L BSC 2010C | 4 |
| CHM 2045C | 4 | PSY 2012 | 3 |
| MAC 1105 | 3 | | |
| HSC 2000 | 2 | | |
| Summer | 3 hrs | | |
| MAC 1114 | 3 | | |

| | | | |
|---|--------|--|--------|
| Sophomore Year | | | |
| Fall | 16 hrs | Spring | 17 hrs |
| PHY 2053C | 4 | MUL 2010 <i>or</i> REL 2300 <i>or</i> THE 2000 <i>or</i> PHI 2010 | 3 |
| HUN 2002 | 3 | MCB 2004C | 4 |
| SPC 1600 | 3 | PHY 2054C | 4 |
| EUH 2000 <i>or</i> HUM 2210 <i>or</i> AMH 2010 | 3 | EUH 2001 <i>or</i> HUM 2230 <i>or</i> AMH 2020 | 3 |
| STA 2014C <i>or</i> STA 2023 | 3 | ECO 2023 <i>or</i> ECO 2013 | 3 |

Summer (if needed)

Foreign Lang I* 4

Foreign Lang II* 4

*If not satisfied in high school.

| | | | |
|---------------------|-----------|---------------|--------|
| Junior Year | | | |
| Fall | 16/17 hrs | Spring | 15 hrs |
| DEP 2004 | 3 | HSA 4180 | 3 |
| HSA 3111 | 3 | HSC 4652 | 3 |
| HSC 3147 | 3 | CHM 2205 | 5 |
| ZOO 3733C | 4 | PCB 3703C | 4 |
| Restricted Elective | 3/4 | | |
| Summer | 3/4 | | |
| Restricted Elective | 3/4 | | |

| | | | |
|---------------------|-----------|---------------------|-----------|
| Senior Year | | | |
| Fall | 15/16 hrs | Spring | 15/17 hrs |
| HSA 4702 | 3 | HSC 4652 | 3 |
| HSC 4555 | 3 | HSC 4500 | 3 |
| HSA 3430 | 3 | HIM 4506C | 3 |
| HSC 4201 | 3 | Restricted Elective | 3/4 |
| Restricted Elective | 3/4 | Restricted Elective | 3/4 |

HEALTH SERVICES ADMINISTRATION (B.S.)

College of Health and Public Affairs
Department of Health Management and Informatics
HPA2 210, 407-823-2359

<http://www.cohpa.ucf.edu/health.pro/>

Executive Director of HSA Programs: Myron Fottler;

Undergraduate Program Director: Kendall Cortelyou-Ward,
E-mail: hsainfo@mail.ucf.edu

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, CLAST, Gordon Rule, etc.), some of which are not available online. Prerequisite courses are rarely offered online. For more information, see <http://distrib.ucf.edu/home>.

Admission Requirements **none**

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- 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 **(36 hrs)**

| | |
|--|-------|
| A. Communication Foundations Prefer SPC 1600 | 9 hrs |
| B. Cultural Historical Foundations | 9 hrs |
| C. Mathematical Foundations Select MAC 1105 Select CGS 1060C <i>or</i> 2100C | 6 hrs |
| D. Social Foundations Select ECO 2023 Prefer PSY 2012 <i>or</i> SYG 2000 | 6 hrs |
| E. Science Foundations | 6 hrs |

2. Common Program Prerequisites **(9 hrs)**

| | | |
|-----------|---|-------|
| CGS 2100C | Computer Fund for Business Applications <i>or</i> | 3 hrs |
| CGS1060C | Intro to Computer Science | |
| ECO 2023 | Microeconomics | GEP |
| ACG 2021 | Financial Accounting | 3 hrs |
| ACG 2071 | Managerial Accounting | 3 hrs |

Students must earn a "C" (2.0) or better in each Common Program Prerequisite course.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements **(48 hrs)**

| | | |
|-----------|--|-------|
| STA 2023 | Statistical Methods | 3 hrs |
| HSA 3111 | U.S. Health Care Systems | 3 hrs |
| HSA 3170 | Health Care Finance | 3 hrs |
| HSA 3222 | Long Term Care Administration | 3 hrs |
| HSA 3430 | Health Care Economics | 3 hrs |
| HSA 4109 | Principles of Managed Care | 3 hrs |
| HSC 4201 | Community Health Services | 3 hrs |
| HSA 4180 | Organization and Management for Health Agencies I | 3 hrs |
| HSA 4191 | Health Care Automation | 3 hrs |
| HSA 4502 | Risk Management <i>or</i> | 3 hrs |
| HIM 4506C | Quality Management | |
| HSA 4702 | Health Sciences Research Methods | 3 hrs |
| HSC 3537 | Medical Terminology | 3 hrs |
| HSC 4500 | Epidemiology | 3 hrs |
| HSC 4564 | Health Care Needs of the Elderly | 3 hrs |
| HSC 4652 | Health Care Law & Ethics | 3 hrs |

Students must earn a "C" (2.0) or better in each Core Requirement course.

4. Upper Division Restricted Electives **none**

5. Program Exit Requirements **(120 hrs)**

Students must earn a "C" (2.0) or better in each Health Services Administration course.

6. Electives **(variable)**

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 Information Management, Health Sciences, Aging Studies, Public Administration, and Business.

7. Foreign Language Requirements **(0-8 hrs)**

Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

UCF Degree Programs

Graduation: **none**
 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. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required **120 hrs**

Related Programs: Aging Studies Certificate, Public Administration, Health Information Management

Related Minors: Aging Studies, Health Information Management, Health Sciences, and Public Administration

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Tentative Course Schedule for Entering Freshmen

Freshman Year

| | | | |
|-----------------------------|---------------|---------------------------------------|---------------|
| Fall | 14 hrs | Spring | 12 hrs |
| ENC 1101 | 3 | ENC 1102 | 3 |
| PSY 2012 <i>or</i> SYG 2000 | 3 | PSC 1121 <i>or</i> CHM 1020 | 3 |
| HSC 2000 | 2 | MUL 2010 <i>or</i> THE 2000 | 3 |
| MAC 1105 | 3 | <i>or</i> REL 2300 <i>or</i> PHI 2010 | |
| Elective | 3 | SPC 1600 | 3 |

Sophomore Year

| | | | |
|---------------------------------------|---------------|--------------------------------------|---------------|
| Fall | 15 hrs | Spring | 15 hrs |
| ACG 2021 | 3 | ACG 2071 | 3 |
| ECO 2023 | 3 | STA 2023 | 3 |
| BSC 1005 | 3 | HSA 3111 | 3 |
| EUH 2000 <i>or</i> HUM 2210 | 3 | EUH 2001 <i>or</i> HUM 2230 | 3 |
| <i>or</i> AMH 2010 <i>or</i> WOH 2012 | | <i>or</i> AMH 2020 <i>or</i> WOH2022 | |
| CGS 2100C | 3 | Elective/Minor | 3 |

Summer

| | |
|--|--------------|
| | 8 hrs |
| Foreign Lang. I* <i>or</i> Elective/Minor | 4 |
| Foreign Lang. II* <i>or</i> Elective/Minor | 4 |

*(If not satisfied in high school)

Junior Year

| | | | |
|----------------|---------------|----------------|---------------|
| Fall | 15 hrs | Spring | 15 hrs |
| HSA 3111 | 3 | HSA 3170 | 3 |
| HSC 3537 | 3 | HSC 4564 | 3 |
| HSC 4201 | 3 | HSC 4500 | 3 |
| HSA 4191 | 3 | Elective/Minor | 3 |
| Elective/Minor | 3 | Elective/Minor | 3 |

Senior Year

| | | | |
|------------------------------|---------------|---------------------------------------|---------------|
| Fall | 15 hrs | Spring | 15 hrs |
| HSA 3430 | 3 | HSC 4652 | 3 |
| HSA 4180 | 3 | HSA 4XXX | 3 |
| HSA 4109 | 3 | HSA 4702 | 3 |
| HSA 4502 <i>or</i> HIM 4506C | 3 | Internship <i>or</i> Elective/Minor** | 3 |
| Elective/Minor | 3 | Elective/Minor | 3 |

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. An internship is not required, but highly recommended.

HISTORY (B.A.)

College of Arts and Humanities

History Department, CNH 551

<http://www.cah.ucf.edu/history/>

E-mail: history@ucf.edu

Contact: 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 from the UCF History Department
- Students must compile a portfolio of their written work in history, completed inside and outside the classroom
- 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

(36 hrs)

- A. Communication Foundations 9 hrs
- B. Cultural and Historical Foundations
 - Select AMH 2010 US History: 1492-1877 3 hrs
 - Select AMH 2020 US History: 1877-Present 3 hrs
 - Select one class from 1.B.2 list (see GEP section of catalog) 3 hrs
- C. Mathematical Foundations 3 hrs
 - Prefer MGF 1106 Finite Mathematics (may substitute a higher level math)
 - Prefer CGS 1060C Intro to Computer Sci 3 hrs
- D. Social Foundations 6 hrs
- E. Science Foundations 6 hrs

2. Common Program Prerequisites

(0 hrs)

- AMH 2010* US History: 1492-1877
- AMH 2020* US History: 1877-Present

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements

(9 hrs)

- HIS 4150 History & Historians 3 hrs
- Select one sequence 6 hrs
 - EUH 2000, 2001 Western Civilization I & II
 - WOH 2012, 2022 World Civilization I & II

4. Upper Division 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. 18 hrs

- 1) Asian, African, and Middle Eastern
- 2) British and European
- 3) Latin American
- 4) U.S. and Canadian

Select three hours of approved history courses 3 hrs

5. 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 representative samples of the student's written work throughout major course work including, but not limited to, book critiques, in-class essay exams, and term papers.
- Computer competency met by completion of the major
- Students must complete at least 18 of the required 36 History hours at UCF

6. Foreign Language Requirements

(0-8 hrs)

Admission: 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.

7. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Humanities

Related Minors: African-American Studies, American Studies, Asian Studies, Humanities, Judaic Studies, Latin American Area Studies, Women's Studies

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 common program prerequisites if taken prior to transferring to UCF:

- AMH 2010* & 2020*: may use any two introductory courses with an AMH, EUH, LAH, ASH, HIS or WOH prefix. Students should realize that AMH 2010 and 2020 are prerequisites for all subsequent American History courses in the major.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeads.ucf.edu/alc/academic_learning_compacts.htm

Suggested 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 | Spring | | |
| AMH 2010 U S His 1492 1877 | 3 AMH 2020 U S His 1877 Pres | 3 | |
| BSC 1005* req# 1E2-GEP | 3 AST 2002* req# 1E1-GEP | 3 | |
| ENC 1101 Composition I | 3 ENC 1102 Composition II | 3 | |
| POS 2041* req# 1D1-GEP | 3 MGF 1106* req# 1C1-GEP | 3 | |
| SPC 1600* req# 1A3-GEP | 3 SYG 2000* req# 1D2-GEP | 3 | |

Sophomore Year

| | | | |
|------------------------------|--------------------------------|---|--|
| Fall | Spring | | |
| ARH 2050* req# 1B3-GEP | 3 EUH 2001* req# 3-Core | 3 | |
| CGS 1060C Intro to Comp Sci | 3 Elective* Check restrictions | 3 | |
| EUH 2000* req# 3-Core | 3 Elective* Check restrictions | 3 | |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 | |
| SPN 1120C* req# Lang/Elect | 4 SPN 1121C* req# Lang/Elect | 4 | |

Junior Year

| | | | |
|------------------------------|--------------------------------|---|--|
| Fall | Spring | | |
| HIS 4150 History & Histrns | 3 ASH 3223* req# 4.1-ResEle | 3 | |
| ASH 3222* req# 4.1-ResEle | 3 EUH 3651* req# 4.2-ResEle | 3 | |
| EUH 3315* req# 4.2-ResEle | 3 Elective* Check restrictions | 3 | |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 | |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 | |

Senior Year

| | | | |
|------------------------------|--------------------------------|---|--|
| Fall | Spring | | |
| LAH 3130* req# 4.3-ResEle | 3 Req# 4.4-ResEle | 3 | |
| AMH 3571* req# 4.4-ResEle | 3 Elective* Check restrictions | 3 | |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 | |
| Elective* Check restrictions | 3 Elective* Check restrictions | 4 | |
| Elective* Check restrictions | 3 Portfolio See catalog | 0 | |

HISTORY ACCELERATED PROGRAM (B.A. and M.A.)

Accelerated Undergraduate-Graduate Program

Note: For detailed information about this program, see the description in the "Accelerated Undergraduate-Graduate Programs" section.

HOSPITALITY MANAGEMENT (B.S.)

Rosen College of Hospitality Management

9907 Universal Boulevard

Orlando, Florida 32819

407-903-8000

<http://www.hospitality.ucf.edu>

E-mail: hospitality@mail.ucf.edu

Dean: Abraham Pizam

Degree Requirements

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

- A. Communication Foundations 9 hrs
- B. Cultural and Historical Foundations 9 hrs
- C. Mathematical Foundations
 - Select MAC 1105 College Algebra 3 hrs
 - Select CGS 2100C Computer Fundamentals for Bus or STA 2023 Statistical Methods I 3 hrs
- D. Social Foundations
 - Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics 3 hrs
 - Select one: PSY 2012, SYG 2000, ANT 2000 3 hrs
- E. Science Foundation 6 hrs

2. Common Program Prerequisite (3 hrs)

- HFT 1000 Introduction to Hospitality/Tourism 3 hrs

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Foundations

- Quantitative Tools**
- CGS 2100C Computer Fundamentals of Business (GEP)
 - or STA 2023 Statistical Methods I
 - ECO 2013 Macroeconomics (GEP)
 - or ECO 2023 MicroEconomics
 - MAC 1105 College Algebra (GEP)

4. Hospitality Management Core (34 hrs)

- FSS 2221C Quantity Food Preparation 3 hrs
- HFT 3540 Guest Services Management 3 hrs
- HFT 2401 Hospitality Financial Accounting 3 hrs
- HFT 3431 Hospitality Managerial Accounting 3 hrs
- HFT 2500 Hospitality Marketing 3 hrs
- HFT 2220 Hospitality Human Resource Mgmt 3 hrs
- HFT 3444 Hospitality Information Systems 3 hrs
- HFT 3603 Legal Environment in Hospitality 3 hrs
- HFT 4295 Leadership and Strg Mgmt in Hospitality Ind 3 hrs
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4464 Hospitality Industry Finance 3 hrs
- HFT 3933 Distinguished Lectures in Hosp Mgmt 1 hr

5. Sectoral Core (Choose 6 of the Following 7) (18 hrs)

- HFT 2254 Lodging Operations 3 hrs
- HFT 3700 Tourism Management 3 hrs
- HFT 2750 The Event Industry 3 hrs
- HFT 3263 Restaurant Management 3 hrs
- HFT 3273 Principles of Resort Time Sharing 3 hrs
- HFT 4755 Theme Park and Attraction Mgmt 3 hrs
- HFT 4277 Yacht, Country, and City Club Mgmt 3 hrs

6. Internship (3 hrs)

- HFT 3940 Internship I 1 hr
- HFT 4941 Internship II 1 hr
- HFT 4944 Internship III 1 hr

7. Special College 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.

UCF Degree Programs

8. Restricted Electives: (15 Hrs)

Generalist Track: Students must take 15 credit hours (five courses) of Hospitality Management courses in the Hospitality Management Specialized Tracks or the restrictive electives in other degree programs (see Restaurant and Food Service Management B.S. and/or Event Management B.S.) offered by the Rosen College. Please note: No more than 2 courses (6 credit hours) may be taken from any one track or degree program at the Rosen College of Hospitality Management to satisfy the restricted elective requirement.

OR

Specialized Tracks: Students must complete one of the six Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

SPECIALIZED TRACKS – Select one of the tracks below

A. Vacation Ownership Resort Management Track – 15 hrs (5 Courses)

| | | |
|----------|--|-------|
| HFT 4275 | Development of Vacation Ownership Resorts | 3 hrs |
| HFT 4274 | Vacation Ownership Resort Management | 3 hrs |
| HFT 4522 | Vacation Ownership Resort Sales Tactics and Strategies | 3 hrs |
| HFT 4442 | Vacation Ownership Resort Reservations/Data Base Systems | 3 hrs |
| HFT 4343 | Hospitality Facilities Planning & Design | 3 hrs |

B. Theme Park and Attraction Mgmt Track – 15 hrs (Choose 5 Courses from the following list)

| | | |
|----------|--|-------|
| HFT 4786 | Managing the Guest Experience in Theme Parks and Attractions | 3 hrs |
| HFT 4759 | Product Development in Theme Parks and Attractions | 3 hrs |
| HFT 4758 | Contemporary Issues in the Theme Park and Attraction Industry | 3 hrs |
| HFT 4532 | Managing the Employee Experience in Theme Parks and Attractions 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 4614 | Risk Management in Theme Parks | 3 hrs |
| HFT 3784 | Amusement Technology | 3 hrs |

C. Tourism Management Track – 15 hrs (Choose 5 Courses from the following list)

| | | |
|----------|---|-------|
| HFT 4735 | Tourism Geography | 3 hrs |
| HFT 4722 | Travel Agency Management | 3 hrs |
| HFT 4762 | Current Practices in the Airline Industry | 3 hrs |
| HFT 4736 | Destination Management | 3 hrs |
| HFT 4561 | Destination Marketing | 3 hrs |
| HFT 3770 | Cruise Line Operations and Management | 3 hrs |

D. Lodging Management Track – 15 hrs (5 Courses)

| | | |
|----------|--|-------|
| HFT 3323 | Hospitality Physical Plant Management | 3 hrs |
| HFT 4343 | Hospitality Facilities Planning & Design | 3 hrs |
| HFT 4473 | Hotel Development Analysis | 3 hrs |
| HFT 4253 | Hotel Operations | 3 hrs |
| HFT 3515 | Reservations Sales & Marketing | 3 hrs |

E. Hospitality Financial Management and Technology – 15 hrs (5 Courses)

| | | |
|----------|--|-------|
| HFT 4442 | Vacation Ownership Resort Reservations/Data Base Systems | 3 hrs |
| HFT 4473 | Hotel Development Analysis | 3 hrs |
| HFT 4457 | Food, Beverage and Labor Cost Controls | 3 hrs |
| HFT 4432 | Hospitality Industry Auditing | 3 hrs |
| HFT 4413 | Technology Applications for Management Decision Making | 3 hrs |

F. Golf and Club Management Track (Choose 5 Courses from the following list)

| | | |
|----------|--|-------|
| HFT 1350 | Career and Promotional Development in Golf | 3 hrs |
| HFT 3357 | Golf Event Operations | 3 hrs |
| HFT 3384 | Golf and Club Enterprises | 3 hrs |
| HFT 1356 | Concepts and Practices of Golf Assoc. | 3 hrs |
| HFT 2359 | Design and Maintenance of Golf Equip | 3 hrs |
| HFT 3353 | Golf Planning and Operations I | 3 hrs |
| HFT 3355 | Golf Planning and Operations II | 3 hrs |
| HFT 3354 | Agronomy for Golf Course Mgmt | 3 hrs |
| HFT 4358 | Golf Course Facility Design | 3 hrs |

9. Foreign Language Requirements (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.)

10. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

11. Unrestricted Electives (3-11 hrs)

As necessary to result in 120 total credit hours.

Total Semester Hours Required 120 hrs

Community/Junior College 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.

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 Fee

- Full-time Student\$75 per term
- Part-time Student\$37.50 per term

FOUR YEAR PLAN OF STUDY FOR HOSPITALITY MANAGEMENT*

*Plan your required nine summer credit hours into your course of study.

| | | | |
|--------------------------------|---------------|--------------------------------|---------------|
| Freshman | | | |
| Fall | 15 hrs | Spring | 15 hrs |
| ENC 1101 | 3 | ENC 1102 | 3 |
| Cult-Hist I | 3 | Cult-Hist II | 3 |
| CGS 2100C or STA 2023 | 3 | SPC 1600 | 3 |
| HFT 1000 | 3 | HFT 2500 Hospitality Marketing | 3 |
| PSY 2012, SYG 2000 or ANT 2000 | 3 | MAC1105 College Algebra | 3 |

| | | | |
|--|---------------|---------------------------|---------------|
| Sophomore | | | |
| Fall | 15 hrs | Spring | 15 hrs |
| ECO 2013 or ECO 2023 | 3 | Cult/Hist Foundation | 3 |
| Science Foundation I | 3 | Science Foundation II | 3 |
| Unrestricted Elective | 3 | HFT 2403 Hosp Fin Acct | 3 |
| HFT 3444 Hosp Info Sys Operations Core | 3 | HFT 2220 Hosp Hum Res | 3 |
| | | FSS 2221C Quant Food Prep | 3 |

| | | | |
|----------------------------|---------------|------------------------|---------------|
| Junior | | | |
| Fall | 14 hrs | Spring | 16 hrs |
| HFT 3540 Guest Svcs Mgmt | 3 | Operations Core | 3 |
| HFT 3603 Legal Environ | 3 | Operations Core | 3 |
| HFT 3431 Hosp Mgr Acct | 3 | Operations Core | 3 |
| Hospitality Elective | 3 | Hospitality Elective | 3 |
| HFT 3940 Internship I | 1 | HFT 4941 Internship II | 1 |
| HFT 3933 Dist Lect in Hosp | 1 | Sectoral Study Course | 3 |

| | | | |
|-------------------------------------|---------------|------------------------------|---------------|
| Senior | | | |
| Fall | 15 hrs | Spring | 15 hrs |
| HFT 4944 Internship III | 1 | HFT 4295 Strat Mgt in Hosp | 3 |
| HFT 4286 Hospitality Communications | 3 | Hospitality Elective | 3 |
| Hospitality Elective | 3 | Hospitality Elective | 3 |
| Unrestricted Electives | 5 | Operations Core | 3 |
| Operations Core | 3 | HFT 4464 Hospitality Finance | 3 |

HOSPITALITY MANAGEMENT (B.S.)

A.S. to B.S. TRACK

Note: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

HUMANITIES (B.A.)

College of Arts and Humanities

Department of Philosophy, PSY 220

<http://www.cah.ucf.edu/philosophy/>

E-mail: philosophy@ucf.edu

Contact: Doug Evans, 407-823-2273; Fax: 407-823-6658

Admission Requirements **none**

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a "C" (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)

- A. Communication Foundations 9 hrs
- B. Cultural and Historical Foundations
 - Select HUM 2210 Humanistic Tradition I 3 hrs
 - Select HUM 2230 Humanistic Tradition II 3 hrs
 - Prefer PHI 2010 Intro to Philosophy *or* 3 hrs
 - REL 2300 World Religions
- C. Mathematical Foundations
 - Prefer MGF 1106 Finite Mathematics (may substitute a higher level math) 3 hrs
 - Prefer STA 1060C Statistics Using Excel 3 hrs
- D. Social Foundations 6 hrs
- E. Science Foundations 6 hrs

2. Common Program Prerequisites **none**

3. Core requirements (6 hrs)

- HUM 2210 Humanistic Traditions I GEP
- HUM 2230 Humanistic Traditions II GEP
- HUM 2020 Encountering the Humanities 3 hrs
- HUM 4933 Humanities Senior Research Seminar 3 hrs

4. Concentrations (choose one) (24 hrs)

Note: Appropriate new, or special topics courses in philosophy or humanities may be substituted for some courses with prior approval by department advisor.

A. Classical Humanities:

- 1. Foundations (9 hrs)
 - HUM 4301 The Classical Ideal 3 hrs
 - Select two courses 6 hrs
 - HUM 3431 Ancient Humanities
 - HUM 3435 Medieval Humanities
 - HUM 3255 Modern Humanities
- 2. Western Traditions and Applications (9 hrs)
 - ARH 4310 Italian Renaissance Art
 - ARH 4170 Greek and Roman Art
 - HUM 3552 Christian Thought
 - HUM 3553 Moses, Jesus, & Mohammed
 - CLT 3370 Classical Mythology
 - CLT 3378 Comparative Mythology
 - JST 3401 The Jewish People I
 - REL 3432 Roots of Western Mysticism

Only one of the following may be taken

- PHH 3100 Ancient Philosophy
- PHH 3200 Medieval Philosophy
- PHH 3460 Modern Western Philosophy
- 3. World Intellectual Traditions: (6 hrs)
 - ANT 3245 Native American Religions
 - HUM 3401 Asian Humanities
 - HUM 3417 Hindu Thought and Culture
 - HUM 3419 Islamic Thought and Culture
 - HUM 3460 Latin American Humanities
 - HUM 4303 The Spiritual Ideal
 - HUM 4554 Religious Quest and the Human Dilemma
 - PHI 3790 African Philosophy
 - PHP 3781 African American Philosophy
 - REL 3340 Buddhist Thought

B. Multicultural Humanities

- 1. Foundations (9 hrs)
 - HUM 3320 Contemporary Multicultural Studies 3 hrs

- Select one 3 hrs
 - HUM 3431 Ancient Humanities
 - HUM 3435 Medieval Humanities

- Select one 3 hrs
 - HUM 3252 Contemporary Humanities
 - HUM 3255 Modern Humanities

2. Traditions and Applications (15 hrs)

- ANT 3311 Indians of the Southeastern US
- ARH 3520 African Art
- HUM 3401 Asian Humanities
- HUM 3417 Hindu Thought and Culture
- HUM 3419 Islamic Thought and Culture
- HUM 3553 Moses Jesus and Mohammed
- HUM 3460 Latin American Humanities
- JST 3401 The Jewish People I
- PHH 3701 Native American Philosophy
- PHM 3123 Feminist Theory
- PHP 3781 African American Philosophy
- REL 3340 Buddhist Thought

C. Critical Humanities

- 1. Foundations (9 hrs)
 - HUM 3255 Modern Humanities
 - HUM 3252 Contemporary Humanities
 - PHI 4804 Critical Theory

2. Traditions and Applications (15 hrs)

- HUM 4330 Performance Theory
- HUM 4554 Religious Quest and the Human Dilemma
- HUM 4823 Queer Theory
- HUM 3930 Representations of Place and Space
- PHH 3510 Marx and Nietzsche
- PHH 3600 Contemporary Philosophy
- PHI 3638 Ethical Issues in the 21st Century
- PHI 4321 Philosophy of Embodiment: Mind/Body/Self
- PHI 3033 Philosophy, Religion, and the Environment
- PHI 3022 Sexuality, Gender, and Philosophy
- PHI 3629 Family Values
- PHI 3790 African Philosophy
- PHI 3803 Philosophy and Creativity
- PHM 3123 Feminist Theories
- PHM 3100 Freedom and Justice
- PHM 4031 Environmental Philosophy
- PHP 3786 Existentialism
- PHP 3783 Modernity as a Philosophical Problem
- PHP 4782 Phenomenology
- REL 3111 Religion and Philosophy through Film
- REL 3115 Religion, Spirituality, and Popular Music
- HUM 3800 Research Methods in Humanities

5. Upper division Restricted Electives (3 hrs)

Select one course from the "Traditions and Applications" category in the concentrations that are not being used to satisfy Core Requirements, or from the following:

- HUM 4303 Spiritual Ideal
- PHI 3700 Philosophy of Religion
- PHI 3800 Aesthetics

or other courses as approved by advisor.

6. Honors in the Major

Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows:

Core and Elective Requirements (33 hrs)

Same requirements as for regular majors

Honors Thesis

- HUM 4903H Honors Directed Readings 3 hrs
- HUM 4970H 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
- Earn a "B" (3.0) or better in both HUM 4903H and HUM 4970H
- 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

7. Departmental Exit Requirements

- Earn a "C" (2.0) or better in each required course
- Departmental Exit Exam in final semester.
- Computer Competency met by HUM 4970H, HUM 4933, or by STA 1060C.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

UCF Degree Programs

8. Foreign Language Requirements (0-8 hrs)

Admission: 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.

9. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside the department.

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 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Religious Studies, Philosophy, Humanities-Philosophy, Religion, and Popular Culture

Related Minors: Environmental Studies, Humanities, Philosophy, Religious Studies

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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Suggested 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 | Spring |
|----------------------------|----------------------------|
| ENC 1101 Composition I | ENC 1102 Composition II |
| HUM 2210 Hum Tradition I | HUM 2230 Hum Tradition II |
| MGF 1106* req# 1C1-GEP | STA 1060C* req# 1C2-GEP |
| HUM 2020 Encountr the Hum | REL 2300* req# 1B2-GEP |
| SPN 1120C* req# Lang/Elect | SPN 1121C* req# Lang/Elect |

Sophomore Year

| Fall | Spring |
|---------------------------|------------------------------|
| ANT 2511* req# 1E2-GEP | CHM 1020* req# 1E1-GEP |
| COM 1000* req# 1A3-GEP | POS 2041* req# 1D1-GEP |
| PSY 2012* req# 1D2-GEP | HUM 3255* req# 4A1-ClasHu |
| HUM 3431* req# 4A1-ClasHu | HUM 4301 The Clas Ideal |
| | Elective* Check restrictions |

Junior Year

| Fall | Spring |
|------------------------------|------------------------------|
| ARH 4310* req# 4A2-ClasHu | ANT 3245* req# 4A3-ClasHu |
| CLT 3378* req# 4A2-ClasHu | HUM 3417* req# 4A3-ClasHu |
| JST 3401* req# 4A2-ClasHu | PHI 3800* req# 5-ResEle |
| Elective* Check restrictions | Elective* Check restrictions |
| Elective* Check restrictions | Elective* Check restrictions |

Senior Year

| Fall | Spring |
|------------------------------|------------------------------|
| Elective* Check restrictions | HUM 4933 Senior Res Seminar |
| Elective* Check restrictions | Elective* Check restrictions |
| Elective* Check restrictions | Elective* Check restrictions |
| Elective* Check restrictions | Elective* Check restrictions |
| Elective* Check restrictions | Elective* Check restrictions |
| Elective* Check restrictions | Elective* Check restrictions |

HUMANITIES—PHILOSOPHY, RELIGION & POPULAR CULTURE TRACK (B.A.)

College of Arts and Humanities

Philosophy Department, PSY 220

<http://www.cah.ucf.edu/philosophy/>

E-mail: philosophy@ucf.edu

Advisor: Doug Evans, 407-823-2273; Fax: 407-823-6658;

Advisor (Cocoa): Shelley Park, 321-433-7919

Admission Requirements

none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a "C" (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)

| | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | |
| Select HUM 2210 Humanistic Tradition I | 3 hrs |
| Select HUM 2230 Humanistic Tradition II | 3 hrs |
| Select REL 2300 World Religions <i>or</i> PHI 2010 Intro to Phil | 3 hrs |
| C. Mathematical Foundations | 6 hrs |
| Prefer MGF 1106 Finite Mathematics | |
| (May substitute a higher level math) | |
| Prefer STA 1060C Statistics Using Excel | |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 6 hrs |

2. Common Program Prerequisites none

3. Core requirements (18 hrs)

a. Core (0 hrs)

| | | |
|----------|--------------------------|-----|
| HUM 2210 | Humanistic Traditions I | GEP |
| HUM 2230 | Humanistic Traditions II | GEP |
| PHI 2010 | Intro to Philosophy | GEP |

b. Theoretical Foundations (6 hrs)

| | |
|----------|-----------------|
| PHI 3684 | Ways of Living |
| PHI 4341 | Ways of Knowing |

c. Philosophy (6 hrs)

| | |
|---------------------|------------------------|
| Select two courses: | |
| PHI 2101 | Critical Thinking |
| PHI 3670 | Ethical Theory |
| PHI 3700 | Philosophy of Religion |
| PHI 3800 | Aesthetics |
| PHM 3100 | Freedom and Justice |
| PHI 3720 | Faith and Reason |
| PHP 3786 | Existentialism |
| PHI 4804 | Critical Theory |
| PHI 4300 | Theories of Knowledge |

d. Religion (6 hrs)

| | |
|---------------------|---------------------------------------|
| Select two courses: | |
| CLT 3378 | Comparative Mythology |
| HUM 3552 | Christian Thought |
| HUM 3553 | Moses, Jesus, and Mohammed |
| HUM 3417 | Hindu Thought and Culture |
| HUM 3419 | Islamic Thought and Culture |
| HUM 4303 | The Spiritual Ideal |
| HUM 4554 | Religious Quest and the Human Dilemma |
| PHI 3750 | The Problem of Evil |

4. Popular Culture Studies (12 hrs)

a. Contemporary Media (6 hrs)

| | |
|---------------------|--|
| Select two courses: | |
| HUM 3320 | Contemporary Multicultural Studies |
| HUM 4556 | Religion and the Arts |
| HUM 4330 | Performance Theory |
| PHI 3625 | Virtual Ethics |
| PHI 4931 | Philosophy in the News |
| POS 3235 | Mass Media and Politics |
| POS 3258 | Politics in Film |
| REL 3115 | Religion, Spirituality and Popular Music |
| REL 3111 | Religion and Philosophy through Film |
| SYP 3630 | Sociology of Popular Culture |

b. Contemporary Forms of Life**(6 hrs)**

Select two courses:

| | |
|----------|--|
| ANT 3302 | Sex, Gender and Culture |
| HUM 3252 | Contemporary Humanities |
| PHI 3022 | Sex, Gender and Philosophy |
| PHI 3629 | Family Values |
| PHI 3033 | Philosophy, Religion and the Environment |
| PHM 3401 | Philosophy of Law |
| PHI 3638 | Ethical Issues in the 21st Century |
| PHI 3683 | Philosophy of Friendship |
| PHM 3020 | Philosophy of Love |
| PHM 3123 | Feminist Theories |
| PHI 4321 | Philosophies of Embodiment: Mind/Body/Self |
| REL 3131 | Religion in America |

5. Capstone Course**(3 hrs)**

| | |
|----------|-------------------------|
| HUM 4933 | Senior Research Seminar |
|----------|-------------------------|

6. Honors in the Major (Optional)

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

| | | |
|-----------|--------------------------|-------|
| HUM 4903H | Honors Directed Readings | 3 hrs |
| HUM 4970H | 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
- Earn a "B" (3.0) or better in both HUM 4903H and HUM 4970H
- 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

7. Departmental Exit Requirement

- Departmental Exit Exam in final semester.
- Earn a "C" (2.0) or better in each required course.
- Computer Competency met by HUM 4970H, HUM 4933, or STA 1060C.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

8. Foreign Language Requirements**(0-8 hrs)****Admission:** 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.

9. Electives**(variable)**

Select primarily from upper level courses, with departmental advisor's approval. May be outside the department.

10. University Minimum Exit Requirements

- 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required**120 hrs****Related Programs:** Humanities or Religious Studies, Philosophy**Related Minors:** Humanities, Philosophy, Religious Studies**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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

INDUSTRIAL ENGINEERING (B.S.I.E.)

College of Engineering and Computer Science
Industrial Engineering & Management Systems (IEMS)
Department

ENG2 312, 407-823-2204; Fax: 407-823-3413

<http://www.iems.ucf.edu/>

Contact: TBA

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 for Engineering Students**(36+2 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 |
| 1. Select ENC 1101 & ENC 1102 | |
| 2. Prefer SPC 1016 | |
| B. Cultural and Historical Foundations | 9 hrs |
| 1. Select two courses from Historical Foundations | |
| 2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1000, REL 2300, PHI 2010, LIT 2110, or LIT 2120 | |
| C. Mathematical Foundations | 7 hrs |
| 1. Select MAC 2311 (PR: MAC 1114) | |
| 2. Select STA 3032 (PR: MAC 2312) | |
| D. Social Foundations | 6 hrs |
| 1. Prefer ECO 2013 or ECO 2023. | |
| 2. ANT 2000, PSY 2012, or SYG 2000. | |
| E. Science Foundations | 7 hrs |
| 1. Select PHY 2048/48L (PR: MAC 2311) | |
| 2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310 | |

2. Common Program Prerequisites (CPP's)**(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 section 2. marked with an asterisk (*). **Note:** MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

| | | |
|--------------|--|-------|
| CHS 1440 | Fundamentals of Chemistry for Eng* (CHM 2045C/45L will substitute) | 4 hr |
| MAC 2311 | Calculus with Analytic Geometry I* | GEP |
| MAC 2312 | Calculus with Analytic Geometry II* | 4 hrs |
| MAC 2313 | Calculus with Analytic Geometry III* | 4 hrs |
| MAP 2302 | Differential Equations* | 3 hrs |
| PHY 2048/48L | Physics for Engineers & Scientists I* | GEP |
| PHY 2049/49L | Physics for Engineers & Scientists II* | 4 hrs |
| ENC 1101 | Composition I | GEP |
| ENC 1102 | Composition II | GEP |
| | Humanities Courses | GEP |
| | Social Science Courses | GEP |
| | Humanities or Social Sciences | GEP |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Courses Required for the Engineering Core**(22 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 for the major listed in 4., the technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do **not** satisfy major requirements.

| | | |
|-----------|-------------------------------------|-------|
| EGN 1006C | Intro to the Engineering Profession | 1 hr |
| EGN 1111C | Engineering Computer Graphics | 2 hrs |
| EGN 1007C | Engineering Concepts & Methods | 1 hr |
| COP 3223 | Introduction to C Programming | 3 hrs |

UCF Degree Programs

| | | |
|-------------|--------------------------------------|-------|
| EGN 3310 | Engineering Analysis - Statics | 3 hrs |
| EGN 3321 | Engineering Analysis - Dynamics | 3 hrs |
| EGN 3358 | Thermo-Fluids-Heat Transfer | 3 hrs |
| or EGN 3343 | Thermodynamics | |
| EGN 3365 | Structure & Properties of Materials | 3 hrs |
| EGN 3373 | Principles of Electrical Engineering | 3 hrs |

4. Courses Required for the Major (40 hrs)

The Industrial Engineering and Management Systems department requires all students within the major to achieve a 2.0 GPA or better in each course listed in sections 4., 5., and 6.

| | | |
|-----------|--|-------|
| EGN 3613 | Engineering Economic Analysis | 2 hrs |
| EGN 4624 | Engineering Administration | 3 hrs |
| STA 3032 | Probability & Statistics for Engineers | GEP |
| EIN 3000 | Introduction to IE & MS | 2 hrs |
| EIN 3314C | Work Measurement & Design | 3 hrs |
| EIN 3354 | Principles of Cost Engineering | 3 hrs |
| ESI 4628C | IE Applications of Computers | 3 hrs |
| EIN 4243C | Human Engineering | 3 hrs |
| EIN 4333C | Industrial Control Systems | 3 hrs |
| EIN 4364C | Industrial Planning & Design | 3 hrs |
| EIN 4391C | Manufacturing Engineering | 3 hrs |
| ESI 4221 | Empirical Methods for IE | 3 hrs |
| ESI 4234 | Quality Engineering | 3 hrs |
| ESI 4312 | Operations Research | 3 hrs |
| ESI 4523C | Systems Simulation | 3 hrs |

5. Approved Technical Electives (3 hrs)

Technical electives are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Departmental Graduation Requirements (6 hrs)

| | | |
|-----------|---------------------------|-------|
| EIN 4516C | Systems Analysis & Design | 3 hrs |
| EIN 4891C | IE Senior Design Project | 3 hrs |

- Take the Fundamentals Exam during the Senior year.

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: 128 hrs

Related Programs: Mechanical Engineering.

Related Minors: Engineering Leadership

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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$75 per term
- Part-time Student\$37.50 per term

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.

Industrial Engineering - 128 semester hours required

FIRST YEAR

| | | | |
|-----------------------------------|-----------------------|----------------------------------|-----------------------|
| Fall | 12 hrs ^{1,2} | Spring | 12 hrs ^{1,2} |
| *CHS 1440 Fund of Chm/Engrs | 4 | *ENC 1102 English Comp II | 3 |
| *ENC 1101 English Comp I | 3 | *MAC 2312 Calc with Analy Geo II | 4 |
| *MAC 2311 Calc with Analytic Geol | 4 | EGN 1007C Eng Conc&Meth | 1 |
| EGN 1006C Intro to Eng | 1 | *PHY 2048/L Phys Engr/Sci I | 4 |

Summer 9 hrs¹

| | |
|---------------------------------|---|
| COP 3223 Intro to C Programming | 3 |
| *SPC 1016 Tech Presentations | 3 |
| *ECO 2013 Macroeconomics or | 3 |
| ECO 2023 Microeconomics | |

SECOND YEAR

| | | | |
|--------------------------------------|---------------------|-----------------------------|---------------------|
| Fall | 13 hrs ¹ | Spring | 12 hrs ¹ |
| *PHY 2049/L Phys Engr/Sci II | 4 | EGN 3321 Engr Anal-Dynamics | 3 |
| EGN 3310 Engr Anal-Statics | 3 | *MAP 2302 Diff Equations | 3 |
| EIN 3000 Intro to IE & Mgt Sys | 2 | STA 3032 Prob & Stats Engrs | 3 |
| *MAC 2313 Calc with Analytic Geo III | 4 | EGN 3373 Prin of Elec Eng | 3 |

Summer 10 hrs¹

| | |
|--------------------------------|---|
| EGN 3365 Strctr & Prop Matls | 3 |
| EGN 3613 Engineering Econ Anal | 2 |
| *Social Foundations II | 3 |
| *EGN 1111C Cmpt Graphics | 2 |

THIRD YEAR

| | | | |
|-------------------------------|--------|-------------------------------|---------------------|
| Fall | 12 hrs | Spring | 15 hrs ¹ |
| EIN 3314C Work Meas & Dsgn | 3 | EIN 4364C Indus Fcty Pln/Dsgn | 3 |
| EIN 4391C Mfg. Engr. | 3 | ESI 4221 Empirical Mthds - IE | 3 |
| EIN 3354 Princ of Cost Engrng | 3 | ESI 4523C Systems Simulation | 3 |
| ESI 4312 Operations Research | 3 | EIN 4243C Human Engrng | 3 |
| | | EIN 4333C Industrial Cont Sys | 3 |

Summer 9 hrs¹

| | |
|------------------------------|---|
| EGN 4624 Engineering Admin | 3 |
| EGN 3358 Therm-Flds-Ht Trans | |
| or EGN 3343 Thermodynamics | 3 |
| *Historical Foundations | 3 |

FOURTH YEAR

| | | | |
|------------------------------|--------|------------------------------|--------|
| Fall | 12 hrs | Spring | 12 hrs |
| ESI 4628C IE Computer Appl | 3 | EIN 4891C IE Sr. Design Proj | 3 |
| EIN 4516C Sys Anal & Dsgn | 3 | Technical Elective | 3 |
| ESI 4234 Quality Engineering | 3 | *Cultural Foundation | 3 |
| *Historical Foundation | 3 | *Science Foundation II | 3 |

Notes:

- Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in this catalog for further information.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 5. Approved Technical Electives.

Accelerated BS/MS Degree Program

The Industrial Engineering & Management Systems Department 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.

INFORMATION SYSTEMS TECHNOLOGY (B.S.)

College of Engineering and Computer Science

Engineering Technology (ENT) Department

ENR 207, 407-823-4748; Fax: 407-823-4746

<http://www.ent.ucf.edu>

Coordinator: Dr. Bahman Motlagh, E-mail: bmotlagh@mail.ucf.edu

Admission Requirements

Students should complete 33 credit hours of lower level technical courses at a community college. Technical courses will be accepted in the following areas: networking, programming, information technology, computer science, and computer engineering and technology or closely related disciplines.

Degree Requirements

- Students should check with their ENT advisor frequently to ensure that they are making proper progress toward the degree.
- A grade of "C" (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (36 hrs)

| | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| 1. ENC 1101 & ENC 1102 | |
| 2. Prefer SPC 1016 | |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| 1. Select MAC 1105 | |
| 2. Select STA 2023 | |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 6 hrs |

2. Lower Level Required Courses (33 hrs)

| | | |
|----------|--|--------|
| MAD 2104 | Foundations of Discrete Math | 3 hrs |
| | Lower level technical courses taken at Community College | 30 hrs |

3. Prerequisite Courses (14 hrs)

| | | |
|--|-----------------------------------|-------|
| (C (2.0) or better grade required in all courses) | | |
| MAC 1105 | College Algebra and | GEP |
| MAC 1114 | College Trigonometry | 3 hrs |
| EET 3085C | Electricity & Electronics | 4 hrs |
| or EET 3086 | Principles of Electrical Circuits | |
| CET 3323C | Digital Technology | 4 hrs |
| CET 2364 | Systems Applications in C | 3 hrs |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

4. Required Technical Courses (27 hrs)

| | | |
|--|---------------------------------------|-------|
| (C (2.0) or better grade required in all courses) | | |
| CET 3529 | Linux/Unix Sys Admin and Applications | 3 hrs |
| CET 3010 | Intro to Info Technology | 3 hrs |
| CET 4427 | Applied Database I | 3 hrs |
| CET 3383 | Applied Systems Analysis I | 3 hrs |
| CET 4505 | Applied Operating Systems I | 3 hrs |
| CET 3752 | Intro to Telephony | 3 hrs |
| CET 4483 | Intro to Local Area Network | 3 hrs |
| CET 4333 | Computer Organization & Design | 3 hrs |
| CET 4748 | Wide Area Networks I | 3 hrs |

5. IST Support Courses (6 hrs)

| | | |
|----------|------------------------------------|-------|
| ENC 3241 | Writing For Technical professional | 3 hrs |
| ETI 4448 | Applied Proj Mgmt | 3 hrs |
| STA 2023 | Statistical Methods | GEP |

6. Technical Electives (12 hrs)

| | | |
|--|--|-------|
| (C (2.0) or better grade required in all courses) | | |
| Choose four from the following: | | |
| CET 3198C | Digital Systems | 3 hrs |
| CET 4138C | Digital Programmable Devices | 3 hrs |
| CET 4931 | Current Topics in Technology | 3 hrs |
| MAP 3401 | Problem Analysis | 3 hrs |
| CET 4523 | Applied Systems Analysis II | 3 hrs |
| CET 4429 | Applied Database II | 3 hrs |
| CET 4583 | Web Base Systems I | 3 hrs |
| CET 4584 | Web Base Systems II | 3 hrs |
| CET 4663 | Computer & Networks Security | 3 hrs |
| STA 5937 | Data Mining I | 3 hrs |
| CET 4668 | Practice of Information Security | 3 hrs |
| CET 4882 | Network Defense Strategies | 3 hrs |
| CET 4884 | Security Meth & Pract | 3 hrs |
| CET 4885 | Investigative Digital Technology | 3 hrs |
| CET 4889 | Sec Sensor & Biomet | 3 hrs |
| ETG 4950C | Senior Design Project | 3 hrs |
| ISM 3011C | Essentials of Management Information Systems | 3 hrs |
| ISM 4153 | Enterprise Information Systems | 3 hrs |
| ISM 4431 | Business Process Analysis | 3 hrs |
| ISM 4154 | Enterprise Application Development | 3 hrs |
| ISM 5219 | Business Intelligence Systems | 3 hrs |

7. Departmental Exit Requirements

none

8. Foreign Language Requirements (0-8 hrs)

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

9. Approved Technical Electives

Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

10. University Minimum Graduation Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required:

128 hrs

Related Programs:

none

Related Minors: Interdisciplinary Informatics Technology, Secure Computing and Networks

Transfer Notes:

- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in this catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oemas.ucf.edu/alc/academic_learning_compacts.htm

Tentative Course Schedule

The tentative course schedule listed below is a guide for those students who plan on completing their engineering technology degree requirements in four years. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year

| | | | |
|--------------------------------|---------------|---------------------------|---------------|
| Fall | 13 hrs | Spring | 16 hrs |
| ENC 1101 Composition I | 3 | ENC 1102 Composition II | 3 |
| MAC 1105 College Algebra | 3 | MAC 1114 Trigonometry | 3 |
| Cultural/Historical Foundation | 3 | Biological science | 3 |
| Lower level elective (CC) | 4 | Social Foundation | 3 |
| | | Lower level elective (CC) | 4 |

Sophomore Year

| | | | |
|---------------------------------|---------------|---------------------------------|---------------|
| Fall | 15 hrs | Spring | 16 hrs |
| SPC 1016 Fund of Technical Pres | 3 | Cultural/Historical Foundation | 3 |
| PSC 1121 Physical Science | 3 | CET 2364 Syst Applications in C | 3 |
| Cultural/Historical Foundation | 3 | Social Foundation | 3 |
| Lower level elective (CC) | 3 | Lower level elective (CC) | 3 |
| Lower level elective (CC) | 3 | Lower level elective (CC) | 4 |

Summer

| | |
|---------------------------|-------|
| Lower level elective (CC) | 6 hrs |
| Lower level elective (CC) | 3 |
| Lower level elective (CC) | 3 |

Junior Year

| | | | |
|-------------------------------|---------------|----------------------------------|---------------|
| Fall | 16 hrs | Spring | 13 hrs |
| EET 3085C Elect & Electronics | 4 | CET 3529 Linux/Unix Sys Admin | 3 |
| CET 3010 Intro to Info Tech | 3 | Upper level elective | 3 |
| STA 2023 Statistical Methods | 3 | CET 3323C Digital Tech | 4 |
| Lower level elective (CC) | 3 | CET 4483 Intro to Local Area Net | 3 |
| Lower level elective (CC) | 3 | | |

UCF Degree Programs

| | | | |
|-------------------------------|---------------|---------------------------------|---------------|
| Summer | 9 hrs | | |
| CET 4333 Comp Org & Design | 3 | | |
| ENC 3241 Tech Rept Writing | 3 | | |
| ETI 4448 Applied Proj Mgmt | 3 | | |
| Senior Year | | | |
| Fall | 12 hrs | Spring | 12 hrs |
| CET 4505 Appl Oper Sys I | 3 | CET 3383 Applied Sys Analysis I | 3 |
| CET 3752 Intro to Telephony | 3 | Upper level elective | 3 |
| CET 4748 Wide Area Networks I | 3 | Upper level elective | 3 |
| CET 4427 Appl Database I | 3 | Upper level elective | 3 |

INFORMATION SYSTEMS TECHNOLOGY (B.S.)

A.S. to B.S. TRACK

Note: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

INFORMATION TECHNOLOGY (B.S.)

College of Engineering and Computer Science
 School of Electrical Engineering & Computer Science
 Harris Corp Engineering Ctr., Rm 246,
 407-823-2787; Fax: 407-823-5419

<http://www.eecs.ucf.edu/>

Contact: Dr. Ali Orooji, E-mail: orooji@cs.ucf.edu;
 Charlese Hilton-Brown, E-mail: chilton@mail.ucf.edu

Degree Requirements

- Students must earn at least a "C" (2.0) in each course in 2-5.
- 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 (36+1 hrs)

- | | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| 1. ENC 1101 & ENC 1102 | |
| 2. Prefer SPC 1016 | |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| 1. Select MAC 1105 | |
| 2. Select STA 2023 | |
| D. Social Foundations | 6 hrs |
| 1. Select PSY 2012 | |
| 2. Select ECO 2013 | |
| E. Science Foundations | 7 hrs |
| 1. Select PHY 2053C | |
| 2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310 | |

2. Common Program Prerequisites (12 hrs)

| | | |
|--------------|-------------------------------------|-------|
| MAC 1114 | Trigonometry | GEP |
| STA 2023 | Statistical Methods I | GEP |
| ECO 2013 | Macroeconomics | GEP |
| PSY 2012 | General Psychology | GEP |
| PHY 2053C | College Physics I | GEP |
| COP 3223 | C Programming Language | 3 hrs |
| COP 3330 | Object Oriented Programming | 3 hrs |
| CGS 2545C | Database Concepts | 3 hrs |
| MAD 2104 | Foundations of Discrete Mathematics | 3 hrs |
| or COT 3100C | Discrete Structures | |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. 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 |
| EEL 3531 | Information Theory | 3 hrs |
| CGS 3269 | Computer Architecture Concepts | 3 hrs |
| COP 4610L | OS Laboratory | 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 |
| CNT 4703C | Network Laboratory | 3 hrs |
| COP 4910 | Frontiers of Information Technology | 3 hrs |
| PHI 3626 | Ethics in Science and Technology | 3 hrs |

A three credit internship approved by the Information Technology Program Coordinator can substitute for the Frontiers in Information Technology (COP 4910) requirement.

4. Support Courses (6 hrs)

| | | |
|---|--------------------------|-------|
| ENC 3241 | Technical Report Writing | 3 hrs |
| Select one from ENC 4293, ENC 4265, ENC 4414, or ENC 4415 | | 3 hrs |

5. Restricted Upper-Division Electives (6 hrs)

Six hours of any 3000-level (or higher) courses offered by Computer Science and Information Technology programs.

6. School Exit Requirements

- Complete an exit interview with an assigned faculty advisor
- Computer competency met by completion of major

7. Free Electives (minimum 12 hrs)

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Computer Science, Computer Engineering, Management Information Systems

Related Minors and Certificates: Information Technology, Computer Science, Secure Computing and Networks, Interdisciplinary Informatics Technology

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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeads.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student \$22 per term
- Part-time Student \$11 per term

FIRST YEAR

| | | | |
|------------------------------|---------------|---------------------------------|---------------|
| Fall | 14 hrs | Spring | 15 hrs |
| ENC 1101 English Comp I | 3 | ENC 1102 English Comp II | 3 |
| SPC 1600 Oral Communications | 3 | MAD 2104 Found of Discrete Math | 3 |
| MAU 2147 Math for Calculus | 5 | COP 3502C Comp Science I | 3 |
| COP 3223 C Programming | 3 | ECO 2013 Macroeconomics | 3 |
| | | PSY 2012 Psychology | 3 |

SECOND YEAR

| | | | |
|--------------------------------|---------------|--------------------------------|---------------|
| Fall | 16 hrs | Spring | 15 hrs |
| COP 3330 Intro to OO/Java | 3 | CGS 3269 Comp Arch Concepts | 3 |
| LIT 2110 World Literature I | 3 | STA 2023 Statistical Methods I | 3 |
| PHY 2053C College Physics I | 4 | CGS 2545C Database Concepts | 3 |
| EUH 2000 Western Civil I | 3 | EUH 2001 Western Civil II | 3 |
| CIS 3360 Security in Computing | 3 | BSC 1005 Biological Principles | 3 |

THIRD YEAR

| | | | |
|---|---------------|--|---------------|
| Fall | 15 hrs | Spring | 15 hrs |
| CAP 4104 Human Technology Interaction | 3 | CIS 4313 Managing IT Integration | 3 |
| EEL 3041 Circuit Analysis | 3 | COP 4610L OS Laboratory | 3 |
| ENC 3241 Tech Rept Writing | 3 | PHI 3626 Adv Ethics in Sci & Tech | 3 |
| CNT 3004 Comp Network Concepts | 3 | Free elective | 3 |
| CIS 3003 Fundamentals of Information Technology | 3 | Select one from ENC 4293, ENC 4265, ENC 4414, or ENC 44153 | |

FOURTH YEAR

| | | | |
|------------------------------------|--------|------------------------------------|--------|
| Fall | 15 hrs | Spring | 14 hrs |
| EEL 3531 Information Theory | 3 | COP 4910 Frontiers of IT | 3 |
| CNT 4703C Network Laboratory | 3 | CNT 4714 Enterprise Computing | 3 |
| Restricted Upper division elective | 3 | Restricted Upper division elective | 3 |
| CIS 4004 Web-Based Info Tech | 3 | Free elective | 3 |
| Free elective | 3 | Free elective | 2 |

INTERDISCIPLINARY STUDIES (B.A., B.S.)

Office of Undergraduate Studies

Office of Interdisciplinary Studies, CL-I, Room 302

<http://www.is.ucf.edu>

E-mail: is@mail.ucf.edu

Contact: Interdisciplinary Studies Advising Team, 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 advisor.

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, CLAST, 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 one semester before graduation
- Co-op credit cannot be used in this major
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies or internship will not be counted towards the major
- Students must earn at least a "C" (2.0) in each core and restricted elective course
- Students must consult with an Interdisciplinary Studies advisor 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

(36 hrs)

- A. Communication Foundations 9 hrs
- B. Cultural and Historical Foundations 9 hrs
- C. Mathematical Foundations 6 hrs
- D. Social Foundations 6 hrs
- E. Science Foundations 6 hrs

2. Common Program Prerequisites

none

3. Core

(6 hrs)

- IDS 3933 Cornerstone Experience in Interdisciplinary Studies 3 hrs
- IDS 4934 Capstone Experience in Interdisciplinary Studies 3 hrs

4. 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 advisor 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

5. Required Minor

(18 hrs minimum)

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.

6. Program 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 CGS 1060C, STA 1060C, or other computer-related courses, or departmental assessment.

7. Foreign Language Requirements

(0-8 hrs)

Admission-BA: Met by graduation requirement.

Admission-BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

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.

Graduation-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.

Note: Students entering without having met the admission requirements must do so in order to graduate.

8. Electives

(variable)

Select primarily from upper level courses, with an Interdisciplinary Studies advisor's approval.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120 hrs

Related Programs: Liberal Arts Track in Interdisciplinary Studies, Environmental Studies Track in Interdisciplinary Studies

Related Minors: Most UCF minors

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.

UCF Degree Programs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaas.ucf.edu/alc/academic_learning_compacts.htm

INTERDISCIPLINARY STUDIES – ENVIRONMENTAL STUDIES TRACK (B.S.)

Office of Undergraduate Studies

Office of Interdisciplinary Studies, CL-I, Room 302

<http://www.is.ucf.edu>

E-mail: is@mail.ucf.edu

Contact: Interdisciplinary Studies Advising Team, 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 this major
- Students must earn at least a "C" (2.0) in each required course in the core and subject areas
- Students must consult with a Interdisciplinary Studies advisor 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 (36+2 hrs)

- | | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| Select MAC 1105 or higher | |
| Select STA 2023 | |
| D. Social Foundations | 6 hrs |
| Select ECO 2013 or ECO 2023 | |
| Select SYG 2000 | |
| E. Science Foundations | 8 hrs |
| Select BSC 2010C | |
| Select CHM 2045C | |

2. Common Program Prerequisites none

3. Core for Environmental Studies (11 hrs)

- | | | |
|-----------------------------------|------------------------------|-------|
| A. Physical/Mathematical Sciences | | |
| CHM 2045C | Chemistry Fundamentals I | GEP |
| MAC 1105 | College Algebra or higher | GEP |
| PSC 1121 | Physical Science I | 3 hrs |
| STA 2023 | Statistical Methods I | GEP |
| B. Life Sciences | | |
| BSC 2010C | Biology I | GEP |
| BSC 2011C | Biology II | 4 hrs |
| PCB 3044/3044L | Principles of Ecology & Lab | 4 hrs |
| C. Social Science & Humanities | | |
| ECO 2013 | Principles of Macroeconomics | |
| <i>or</i> | | |
| ECO 2023 | Principles of Microeconomics | GEP |
| SYG 2000 | General Sociology | GEP |

4. Subject Area: Environmental Studies Fundamentals (19 hrs)

| | | |
|-----------|--|-------|
| 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 for Environ. Studies | 4 hrs |
| PUP 3203 | Environmental Politics | 3 hrs |
| SYD 4510 | Environmental Sociology | 3 hrs |

5. Subject Areas: 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 18 hours in one concentration

Sciences Concentration

Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

| | |
|-----------|--|
| BCH 4053 | Biochemistry I |
| BCH 4054 | Biochemistry II |
| BOT 3152C | Local Flora |
| BOT 3800 | Ethnobotany |
| BOT 4156C | Florida Wildflowers |
| BOT 4303C | Plant Kingdom |
| BOT 4686C | Conservation and Management of Native Plants |
| BOT 4713C | Plant Taxonomy |
| BSC 4312C | Marine Biology |
| CHM 3120 | Analytical Chemistry |
| OCE 3008 | Oceanography |
| PCB 3063 | Genetics |
| PCB 3304C | River Ecology |
| PCB 3314 | Marine Biodiversity |
| PCB 3442 | Florida Aquatic Ecology |
| PCB 4302C | Physiochemical Limnology |
| PCB 4303C | Biological Limnology |
| PCB 4683 | Population Biology & Evolution |
| PCB 4723 | Animal Physiology |
| PCB 5045C | Conservation Biology |
| PCB 5326C | Ecosystems of Florida |

Values, Planning, & Policy Concentration

Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

| | |
|-----------|--|
| ANT 3541 | Biobehavioral Anthropology |
| BOT 3800 | Ethnobotany |
| ECP 4302 | Economics of the Environment |
| ENC 3211 | Theory and Practice of Technical Writing |
| ENC 3241 | Writing for the Technical Professional |
| ENC 4360 | Nature Writing |
| GIS 4035C | Remote Sensing of Environment |
| INR 4351 | International Environmental Law |
| PAD 3330 | Urban and Regional Planning |
| PAD 4351 | Issues in Environmental Program Management |
| PHI 3033 | Philosophy, Religion, & the Environment |
| PHI 3640 | Environmental Ethics |
| PHI 4400 | Philosophy of Science |
| PHI 4633 | Ethics and Biological Science |
| PHM 4031 | Environmental Philosophy |
| PLA 4631 | Land Use and Environmental Law |
| PUP 4204 | Sustainability |
| PUP 4209 | Urban Environmental Policy |

6. Program Exit Requirements (0-8 hrs)

- A grade of "C" or above (2.0) is required for each course taken in the subject areas and core
- Computer Competency is met by completing this major

7. Foreign Language Requirements (0-8 hrs)

Admission-BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation

Graduation-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 (variable)

Select primarily from upper level courses, with advisor approval

9. University Minimum Exit Requirements

- A 2.0 UCF and overall GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed

- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Required Hours 120 hrs

Related Programs: Biology, Chemistry, Environmental Engineering, Political Science, Economics

Related Minors: All minors

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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

INTERDISCIPLINARY STUDIES - LIBERAL ARTS TRACK (B.A.)

Office of Undergraduate Studies

Office of Interdisciplinary Studies, CL-I, Room 302

<http://www.is.ucf.edu>

E-mail: is@mail.ucf.edu

Contact: Interdisciplinary Studies Advising Team, 407-823-0144

The Liberal Arts Track is a Bachelor of Arts degree program available to advanced students seeking an individualized, interdisciplinary, non-traditional major. Students work closely with program advisors to develop a program that addresses the student's interests and goals working across disciplines. Study in the Liberal Arts is intended to develop a well-prepared individual for a variety of academic and career endeavors. The degree program is administered by the Office of Interdisciplinary Studies.

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 restricted elective course
- Co-op or internship credit cannot be used in this major
- Independent study forms must be approved by the director prior to taking an independent study for use in the Interdisciplinary Studies areas. Non-approved independent studies will not be counted towards the major
- Students must consult with an Interdisciplinary Studies advisor, prepare and submit a degree proposal to the Director, and have a degree proposal accepted by the Director before entering 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 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 | (36 hrs) |
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 6 hrs |

2. Common Program Prerequisites none

3. Core Requirements (3 hrs)

One course determined between the student and Interdisciplinary Studies advisors from among courses in ethics, critical thinking, or methodologies

4. Restricted Electives (36 hrs)

- Select one (either A or B):
- a. Complete a minor at UCF that is approved by the Interdisciplinary Studies advisors 18 hrs
 - b. Complete an individualized minor approved by the Interdisciplinary Studies advisors 18 hrs
- and
- Select one (either C or D):
- c. Complete a second minor from those offered at UCF in the College of Arts and Humanities or College of Sciences 18 hrs
 - d. Complete nine hours in each of two concentrations below: 18 hrs
 - 1. Visual and Performing Arts
 - 2. Life/Biomedical, Physical, and Computational Sciences
 - 3. Humanities, Letters and Modern Languages
 - 4. Behavioral, Social Sciences, Communication

5. Program Exit Requirements (3 hrs)

Select one of these options, any of which must be approved by the Interdisciplinary Studies advisors:

| | |
|----------|-------------------------------|
| IDS 4906 | Directed Independent Research |
| IDS 4955 | Study Abroad |
| IDS 4970 | Undergraduate Thesis |

- Students must take a minimum of 18 hours of approved restricted elective courses. Courses are considered approved only when they have been reviewed by a Interdisciplinary Studies advisor and not simply when they appear on a student audit.
- Students are required to take a minimum of 18 UCF hours, as well as 18 Upper Division hours, in the restricted elective courses.
- Maintain a minimum GPA of 3.0 in all Liberal Arts Track courses

6. Foreign Language Requirements (0-8 hrs)

Admission: Met by graduation requirement.

Graduation: Proficiency equivalent to one year of college instruction in a foreign language. Standardized examinations for foreign languages may be used to meet the requirement.

7. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Interdisciplinary Studies Track, Environmental Studies Track

Related Minors: All College of Arts Humanities and College of Sciences minors

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.

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

INTERDISCIPLINARY STUDIES - NANOSCIENCE & NANOTECHNOLOGY TRACK (B.S.)

Office of Undergraduate Studies

Office of Interdisciplinary Studies, CL-I, Room 302

<http://www.is.ucf.edu>

E-mail: is@mail.ucf.edu

Contact: Interdisciplinary Studies Advising Team, 407-823-0144

Interdisciplinary Studies Nanoscience & Nanotechnology track is a university-wide program leading to a Bachelor of Science in Interdisciplinary Studies.

Nanoscience and Nanotechnology is the study of the structure and behavior of materials at the atomic or molecular level. Through an understanding of how to manipulate atoms and molecules, it is possible to create devices and machines with unique properties and diverse applications.

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.

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
- Co-op or internship credit cannot be used in this major
- Independent study forms must be approved by the director prior to taking an independent study for use in the Interdisciplinary Studies areas. Non-approved independent studies will not be counted towards the major
- Students must earn at least a "C" (2.0) in each restricted elective course
- Students must consult with an Interdisciplinary Studies advisor when entering 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

1. UCF General Education Program (36 hrs)

- A. Communication Foundations 9 hrs
- B. Cultural and Historical Foundations 9 hrs
- C. Mathematical Foundations
- D. Social Foundations 6 hrs
- E. Science Foundations 6 hrs
 - 1. Prefer: PHY 2053 College Physics (prerequisites MAC 1105 and MAC 1114) or equivalent
 - 2. Select one class from the listed choices

2. Common Program Prerequisites none

3. Restrictive Electives (36 hrs)

- Students must complete both subject area concentrations from among those specified 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
- See the Interdisciplinary Studies Advising Team for details regarding each area

Subject Area #1

Nanoscience and Nanotechnology Area

| | |
|----------|--|
| EMA 3691 | Nanomaterials Process Engineering |
| EMA 3014 | Nanomaterials Characterization & Application |
| PHZ 3422 | Nanophysics |
| BSC 3424 | Nanobiotechnology |
| OSE 3490 | Nanophotonics |
| PHI 4690 | Ethics & Societal Implications in Nanotechnology |

Subject Area #2 (one of the following areas)

Computational Sciences
Engineering
Health
Life/Biomedical Sciences
Physical Sciences

4. Required Minor (18 hrs min)

The following suggestions are appropriate for many professional schools. Consult a departmental advisor and be cognizant of the professional school's requirements.

Student must complete a minor from those offered below. The minor must not overlap with the area chosen for Subject area #2. (The area designation for each minor is listed in parentheses). The minor degree audit must be approved by, and completion of the minor certified by, the department offering the minor.

Aerospace Studies (Engineering)
Computer Science (Computational Sciences)
Astronomy (Physical Sciences)
Biology (Life/Biomedical Sciences)
Chemistry (Physical Sciences)
Cognitive Science (Interdisciplinary)
Information Technology (Computational Sciences)
English - Technical Writing (Letters and Modern Languages)
Environmental Studies (Interdisciplinary)
Health Science (Health)
Mathematics (Computational Sciences)
Molecular Biology & Microbiology (Life/Biomedical Sciences)
Physics (Physical Sciences)
Psychology (Behavioral and Social Sciences)
Space Studies (Engineering)
Statistics (Computational Sciences)

5. Departmental Exit Requirements

- A grade of "C" or above (2.0) is required for each courses taken in each of the subject areas
- Computer Competency met by completion of track area and minor requirements.

6. Foreign Language Requirement (0-8 hrs)

Admission-BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation-BS: Proficiency equivalent to one semester of college instruction on a foreign language or one course with a multicultural dimension.

Note: Students entering without having met the admission requirements must do so in order to graduate.

7. Electives (variable)

Select primarily from upper level courses, with an Interdisciplinary Studies advisor's approval.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required **120 hrs**

Related Programs: Interdisciplinary Studies Track, Environmental Studies Track

Related Minors: Aerospace Studies, Applied Computer Science, Astronomy, Biology, Chemistry, Computer Science, Environmental Studies, Health Science, Mathematics, Molecular Biology and Microbiology, Physics, Psychology, Space Studies, Statistics

Transfer Notes:

- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/alac/academic_learning_compacts.htm

**INTERDISCIPLINARY STUDIES -
WOMEN'S STUDIES TRACK (B.A.)**

**Office of Undergraduate Studies
Office of Interdisciplinary Studies, CL-I, Room 302**

<http://www.is.ucf.edu>

E-mail: is@mail.ucf.edu

Contact: Interdisciplinary Studies Advising Team, 407-823-0144

Women's Studies Program

Colbourn Hall 411

<http://www.cah.ucf.edu/womensstudies>

E-mail: womenst@pegasus.cc.ucf.edu

Contact: Kate Oliver, 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 advisor 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 (36 hrs)**
- A. Communication Foundations 9 hrs
 - B. Cultural and Historical Foundations 9 hrs
 - C. Mathematical Foundations 6 hrs
 - D. Social Foundations 6 hrs
 - E. Science Foundations 6 hrs

2. Common Program Prerequisites **none**

- 3. Restricted Electives (36 hrs)**
- Students must complete either the Womanist/Women of Color subject area or the Women's Studies Cognate subject area
 - Students must complete one subject area from those specified 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 (or select Women's Studies Cognate Area)**
- Womanist/Women of Color Area: (18 hrs)**
- WST 3460 Womanist Studies 3 hrs
- Select 15 hours from the following courses (15 hrs)

- AML 3614 Topics in African-American Literature
- ANT 4308 Gender Issues in Latin America
- ASH 4304 Women in China
- AML 3682 Ethnic Literature in America
- SYD 3751 North American Indian Women Today

Other courses approved by the Interdisciplinary Studies Advising Team

- Second Study Area (or select Womanist/Women of Color Area)**
- Women's Studies Cognate Area: (18 hrs)**
- Select 18 hours from the following courses:
- AML 3614 Topics in African-American Literature
 - AML 3682 Ethnic Literature in America

- AML 4261 Literature of the South
- ANT 3212 Peoples of the World
- CCJ 4463 Cultural Diversity in Criminal Justice
- CCJ 4681 Domestic Violence and the Justice System
- EUH 3242 Modern Europe and the First World War
- EUH 5937* Social Theory/History*
- HSC 3593 CHIV Disease: A Human Concern
- LIT 5556 Feminist Theory*
- LIN 4643 Cross Cultural Communication
- PEM 2405 Self-Defense for Women and Men
- PHI 3640 Environmental Ethics
- PHI 3670 Ethical Theory
- PHI 4300 Theories of Knowledge
- PUP 3314 Minorities in Politics
- SOP 2772 Sexual Behavior
- SOP 3784 Psychology of Diversity
- SYD 3700 Race and Ethnic Minorities in the U.S.
- SYO 4100 Family Trends
- SYO 4200 Sociology of Religion
- SYP 3630 Sociology of Popular Culture
- SYP 3650 Sociology and Sport
- SYP 4732 Minority Aging
- THE 3230 Cultural Diversity Through Theater

Other courses may be utilized for this area with the permission of the director.

*Undergraduate students will need professor's permission to register for graduate-level courses.

Relevant Special Topics courses are periodically offered through various departments; with prior approval from the Women's Studies Director, some courses may substitute.

2nd Study Area (from those below)

See the Interdisciplinary Studies Advising Teams for details regarding each area:

- Arts
- Behavioral and Social Sciences
- Commerce
- Communication
- Computational Sciences
- Education
- Engineering
- Health
- Humanities
- Letters and Modern Languages
- Life/Biomedical
- Physical Sciences
- Public Affairs

4. Required Minor (18 hrs)
Students must complete the Women's Studies minor.

- 5. Program 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 CGS 1060C, STA 1060C, or departmental assessment.

6. Foreign Language Requirements (0-8 hrs)

Admission: Met by graduation requirement
Graduation: Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.

Note: Students entering without having met the admission requirement must do so in order to graduate.

7. Electives (variable)
Select primarily from upper level courses, with Interdisciplinary Studies advisor's approval. May be outside of Women's Studies.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

UCF Degree Programs

Total Semester Hours Required 120 hrs

Related Programs: Interdisciplinary Studies - Interdisciplinary Studies track; Interdisciplinary Studies - Liberal Arts track

Related Minors: Anthropology in Multicultural Studies

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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

INTERNATIONAL AND GLOBAL STUDIES (B.A.)

College of Sciences

Political Science Department, PH 302, 407-823-2608

<http://www.cos.ucf.edu/politicalscience>

E-mail: politics@ucf.edu

Contact: R. 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 15 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

1. UCF General Education Program (36 hrs)

- A. Communication Foundations 9 hrs
- B. Cultural and Historical Foundations 9 hrs
 - 1. Prefer WOH 2012 3 hrs
 - 2. Prefer from GEP B.2 list 3 hrs
 - 3. Prefer WOH 2022 3 hrs
- C. Mathematical Foundations 6 hrs
 - 1. Prefer MGF 1106 *or* MGF 1107 (may substitute a higher level math) 3 hrs
 - 2. Prefer STA 2014C *or* STA 1060C 3 hrs
- D. Social Foundations 6 hrs
 - 1. Prefer POS 2041 3 hrs
 - 2. Prefer from GEP D.2 list 3 hrs
- E. Science Foundations 6 hrs

2. Common Program Prerequisites none

3. Core Requirements (24 hrs)

- INR 2002 International Relations-Theory and Practice 3 hrs
- POS 2041 American National Government GEP
- ECO 2013 Principles of Macroeconomics 3 hrs
- GEO 3471 World Political Geography 3 hrs
- IDS 4315 Global Perspectives 3 hrs
- CPO 3103 Comparative Politics 3 hrs
- POS 3703 Scope and Methods of Political Science 3 hrs
- INR 4603 International Relations Theory 3 hrs

4. Restricted Electives (18 hrs)

Note: Students must meet all prerequisites before taking these classes.

Regional 9 hrs

- CPO 3034 Politics of Developing Areas
- CPO 3104 Politics of Western Europe
- CPO 3403 Politics of the Middle East
- CPO 3614 Politics of Eastern Europe
- CPO 4062 Comparative Judicial Process
- CPO 4074 Political Economy
- CPO 4101 Politics of European Union
- CPO 4123 Government and Politics of Great Britain
- CPO 4303 Comparative Latin American Politics
- CPO 4553 Politics of Japan
- CPO 4643 Government and Politics of Russia
- CPO 4710 Women in Comparative Politics

CPO 5334 Contemporary Politics of the Mayan Region
 POS 3253 Contemporary Revolution and Political Violence **9 hrs**

Functional

- INR 3253 International Politics of Africa
- INR 4030 Diplomacy
- INR 4350 Global Environmental Politics
- INR 4054 Global Politics of Energy
- INR 4074 Immigration Policy
- INR 4075 Human Rights Policy
- INR 4076 Global Drug Policy
- INR 4304 Issues in International Public Policy
- INR 4364 The Intelligence Community
- INR 4714 Politics of International Trade Policy
- INR 4035 International Political Economy
- INR 4085 Women, Gender, and Globalization
- INR 4102 American Foreign Policy
- INR 4104 Topics in Amer Foreign Policy
- INR 4114 American Security Policy
- INR 4115 Strategic Weapons and Arms Control
- INR 4224 Contemporary International Politics of Asia
- INR 4243 International Politics of Latin America
- INR 4335 Coercion in International Politics
- INR 4351 International Environmental Law
- INR 4401 International Law I
- INR 4402 International Law II
- INR 4404 Space Law
- INR 4502 International Organizations
- INR 4941 Internship (a maximum of 3 hours)
- PUP 4503 Government and Science
- PUP 4510 Space Policy

Other courses may be substituted with the chair's approval.

5. Required minor (18 hrs min)

Select from the following: Asian Studies, French, German, International Business (Business majors only), Italian, European Studies, Latin American Studies, Middle East Studies, or Spanish. **Notes:** 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.

6. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in the major.
- Computer Competency met by POS 3703.
- Before applying to graduate, the CLAST must be completely satisfied.

7. Foreign Language Requirements (0-14 hrs)

Admission: 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 (variable)

Select primarily from upper level courses, with departmental advisors approval. May be taken outside of the department.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Anthropology, Economics, History

Related Minors: Anthropology, Economics, History, Psychology, Sociology, Philosophy

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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

INTERPERSONAL/ORGANIZATIONAL COMMUNICATION (B.A.)

College of Sciences
Nicholson School of Communication
COM 238, 407-823-2681

<http://communication.cos.ucf.edu/undergraduate/degrees/io.php>

Contact: Jeff Butler

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 can be used in this major with prior advisor approval
- Students cannot exceed a total of six credits of internship, Co-op, and independent study credits combined.
- Students should consult with a departmental advisor
- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Communication
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (36 hrs)

- A. Communication Foundations
 - Select ENC 1101 & ENC 1102 6 hrs
 - Select SPC 1600 3 hrs
- B. Cultural and Historical Foundations 9 hrs
- C. Mathematical Foundations
 - Prefer MGF 1106 (may substitute a higher level math) 3 hrs
 - Select STA 1060C or STA 2014C 3 hrs
- D. Social Foundations 6 hrs
- E. Science Foundations 6 hrs

2. Common Program Prerequisites (0 hrs)

- SPC 1600 Fund of Oral Communication GEP
- See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements (15 hrs)

- a. Select one course GEP
 - STA 1060C Basic Statistics Using Excel
 - STA 2014C Principles of Statistics
- b. Complete the following
 - COM 3011C Communication & Human Relations 3 hrs
 - COM 3120 Organizational Communication 3 hrs
 - COM 3311 Communication Research Methods 3 hrs
 - SPC 3301 Interpersonal Communication 3 hrs
- c. Select one course 3 hrs
 - CGS 2100C Computer Fundamentals for Business
 - CGS 2585C Desktop/Internet Publishing (PR: CGS 1060C)
 - CGS 3175 Internet Applications (PR: CGS 1060C)

4. Restricted Electives (21 hrs)

- Select from the following list:
- COM 3013 Communication and the Family
 - COM 3110 Business and Professional Communication
 - COM 4014 Gender Issues in Communication
 - COM 4461 Intercultural Communication
 - COM 4462 Conflict Management
 - SPC 3513 Argumentation and Debate
 - SPC 4331 Nonverbal Communication
 - SPC 4426 Group Dynamics
 - SPC 4540 Attitudes and Communication
 - COM 3406 Motivation and Communication

A maximum of 6 credits of any combination of the following can be used

- COM 4941 Internship
- COM X949 Coop
- SPC X949 Coop
- COM 4906 Directed Independent Study

A maximum of 3 credits of the following can be used

- ENC 3250 Professional Writing
- ENC 3311 Adv Expository Writing
- ENC 3241 Writing for the Tech Professional

5. External Restricted Electives (6 hrs)

A minimum of six upper division credit hours selected from courses in Anthropology, Business, Criminal Justice, Legal Studies, Political Science, Psychology, Public Administration, and Sociology.

6. School Exit Requirements

- Achieve a "C" (2.0) or better average GPA in Nicholson School courses
- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term
- Computer Competency met by achieving a "C" (2.0) or better in CGS 2100C, CGS 2585C, CGS 3175, or by departmental assessment
- Before applying to graduate, the CLAST must be completely satisfied.

7. Foreign Language Requirements (0-8 hrs)

Admission: 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 (variable)

Select primarily from upper level courses. May be taken outside of the School of Communication.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Minors: Mass Communication, Interpersonal Communication, Organizational Communication.

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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Suggested 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 | Spring | |
|------------------------------|--------------------------------|---|
| ENC 1101 Composition I | 3 ENC 1102 Composition II | 3 |
| MGF 1106* req# 1C1-GEP | 3 EUH 2000* req# 1B1-GEP | 3 |
| Elective* Check restrictions | 4 STA 2014C Prin of Statistics | 3 |
| SPN 1120C* req# Lang/Elect | 4 Elective* Check restrictions | 3 |
| | SPN 1121C* req# Lang/Elect | 4 |

UCF Degree Programs

Sophomore Year

| | | | |
|------------------------------|---|------------------------------|---|
| Fall | | Spring | |
| ANT 2000* req# 1D2-GEP | 3 | ARH 2050* req# 1B3-GEP | 3 |
| BSC 1005* req# 1E2-GEP | 3 | POS 2041* req# 1D1-GEP | 3 |
| MUL 2010* req# 1-GEP | 3 | PSC 1121* req# 1E1-GEP | 3 |
| SPC 1600 Fund of Oral Com | 3 | Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 | Elective* Check restrictions | 3 |

Junior Year

| | | | |
|------------------------------|---|------------------------------|---|
| Fall | | Spring | |
| COM 3011C Com Reltn | 3 | COM 3013* req# 4-ResElec | 3 |
| COM 3311 Com Res Methods | 3 | COM 3110* req# 4-ResElec | 3 |
| PUR 4110C* req# 3-Core | 3 | COM 4014* req# 4-ResElec | 3 |
| ENC 3250* req# 4-ResElec | 3 | Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 | Elective* Check restrictions | 3 |

Senior Year

| | | | |
|------------------------------|---|------------------------------|---|
| Fall | | Spring | |
| COM 3120 Org Communication | 3 | COM 4462* req# 4-ResElec | 3 |
| SPC 3301 Intpers Com | 3 | COM 4941* req# 4-ResElec | 3 |
| COM 4461* req# 4-ResElec | 3 | MAR 3023* req# 5-Ext RE | 3 |
| PUP 3325* req# 5-Ext RE | 3 | Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 | Elective* Check restrictions | 3 |

JOURNALISM (B.A.)

College of Sciences
Nicholson School of Communication

COM 238, 407-823-2681

<http://communication.cos.ucf.edu/undergraduate/degrees/journalism.php>

E-mail: journalism@ucf.edu

Contact: Susan Jefferson

Limited Access program

Admission Requirements

- Students should apply to become Journalism majors only after completing all requirements for admission. Deadlines are:
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
- 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.
- Meet a grammar proficiency standard. Students with AP credit or an "A-" or better in both ENC 1101 and ENC 1102 have satisfied the requirement. All others must pass a grammar proficiency exam administered by UCF's Counseling and Testing Center.
- Have acceptable keyboard skills.
- Submit a letter demonstrating commitment to the field.

Degree Requirements

- Students who change degree programs (other than from Journalism Pending) and select this major must adopt the most current catalog.
- The Journalism faculty strongly recommends that majors work for a student newspaper.
- Journalism majors may obtain an off-campus internship with a commercial weekly or daily newspaper or with a magazine.
- To receive credit for an internship, students must have a 2.5 GPA in their required major courses. Students with less than a 2.5 GPA will not be given academic internship credit.
- Students can enroll in a maximum of three 2-credit internship. However, the internships must be with different employers. Each internship must be approved by and supervised by a Journalism faculty advisor.
- Students cannot exceed a total of seven credits of internship, Co-op, and practicum credits combined.
- 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.
- School Residency Requirement consists of at least 24 semester hours including JOU 2100C and regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.

- All students are required to pay a fee for equipment insurance.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
- Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication
- Journalism majors must select their required minor from outside the School of Communication to remain below the 40 credit hour school maximum.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)

| | |
|---|-------|
| A. Communication Foundations | |
| Select ENC 1101 & ENC 1102 | 6 hrs |
| Select SPC 1600 <i>or</i> SPC 1016 | 3 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| Select MGF 1106 (may substitute a higher level math) prefer CGS 1060C <i>or</i> STA 2014C | 3 hrs |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 6 hrs |

2. Common Program Prerequisites: (0 hrs)

Select one course GEP

| | |
|----------|---|
| SPC 1016 | Fund of Technical Presentations <i>or</i> |
| SPC 1600 | Fund Oral Communication |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Common Core requirements (15 hrs)

| | | |
|-------------|------------------------|-------|
| JOU 2100C** | News Reporting | 3 hrs |
| JOU 3201* | Editing I | 3 hrs |
| MMC 3200 | Mass Communication Law | 3 hrs |
| JOU 4700 | Journalism Ethics | 3 hrs |
| JOU 4342C | Converged Journalism | 3 hrs |

*Grammar Proficiency must be Satisfied.

**Must earn at least a "C" (2.0) to enroll in subsequent courses.

4. Specialization: Select one area

4.1 Newswriting (17-18 hrs)

a. Required courses

| | | |
|------------|--------------------------|-------|
| JOU 3184C* | Metro Reporting | 3 hrs |
| JOU 3101 | Advanced Reporting | 3 hrs |
| JOU 4181 | Public Affairs Reporting | 3 hrs |

*Must earn at least a "C" (2.0) to enroll in subsequent courses.

b. Directed Electives (Select from the following) 8-9 hrs

| | |
|-----------|---------------------------------|
| MMC 2004 | Mass Media |
| JOU 3004 | History of American Journalism |
| PGY 3610C | Photojournalism I |
| JOU 3202 | Editing II |
| JOU 3313C | Sports Reporting |
| JOU 4224 | Magazine Editing and Production |
| JOU 4300 | Feature Writing |

Any other JOU prefix writing elective, or one 2 credit JOU internship

4.2 Visual Communication (17-18 hrs)

a. Required courses

| | | |
|-----------|------------------------|-------|
| VIC 3001 | Visual Communication | 3 hrs |
| JOU 4213C | Page Design | 3 hrs |
| JOU 4211C | Informational Graphics | 3 hrs |
| PGY 3610C | Photojournalism I | 3 hrs |

b. Directed Electives (5-6 hrs)

Select two courses from the following

| | | |
|-----------------------------|--------------------------------|---------------------|
| MMC 2004 | Mass Media | |
| JOU 3004 | History of American Journalism | |
| JOU 4340C | On-line Journalism | |
| PGY 3620C | Photojournalism II | |
| PGY 3630 | Photojournalism III | |
| CGS 2585C | Desktop/Internet Publishing | |
| JOU 3940 <i>or</i> JOU 4941 | Internship | (2 credits maximum) |

4.3 Editing (17-18 hrs)

a. Required courses

| | | |
|-----------|------------------------|-------|
| JOU 3202 | Editing II | 3 hrs |
| JOU 4213C | Page Design | 3 hrs |
| JOU 3101 | Advanced Reporting | 3 hrs |
| JOU 4211C | Informational Graphics | 3 hrs |

- b. Directed Electives (Select from the following) 5-6 hrs
- | | |
|-----------|---------------------------------|
| MMC 2004 | Mass Media |
| PGY 3610C | Photojournalism I |
| JOU 3004 | History of American Journalism |
| JOU 4224 | Magazine Editing and Production |
| VIC 3001 | Visual Communication |
- Any other JOU prefix writing elective, or one 2 credit JOU internship

Minor: (18 hrs min)
Journalism majors must complete an 18 hour minor in an academic area outside of the School of Communication. When no official minor is offered, students may complete an 18-credit-hour area of concentration approved by the Faculty.

6. School 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.
- Computer Competency met by CGS 1060C or by departmental assessment.
- Before applying to graduate, the CLAST must be completely satisfied.

7. Foreign Language Requirements (0-8 hrs)

Admission: 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 (variable)

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. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, credit by exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Technical Writing, Creative Writing
Related Minors: Creative Writing, History, Literature, Linguistics, Magazine Journalism (not available to Journalism majors), Political Science, Sociology, Technical Writing, Writing

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.

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 Fee

- Full-time Student\$44 per term
- Part-time Student\$22 per term

LEGAL STUDIES (B.A., B.S.)

**College of Health and Public Affairs
Department of Criminal Justice and Legal Studies
HPA 311, 407-823-2603**

<http://www.cohpa.ucf.edu/crim.jus/>

Undergraduate Program Director and Pre-Law Advisor:
David Slaughter, E-mail: dslaught@mail.ucf.edu

Admission Requirements

none

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. While no specific major is prescribed for admission to law school, many pre-law students elect to major in legal studies. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Pre-law students are encouraged to work closely with legal studies advisors in planning their programs. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies.

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

(36 hrs)

- | | |
|------------------------------------|-------|
| A. Communication Foundations | 9 hrs |
| 1. ENC 1101 & ENC 1102 | |
| 2. Prefer SPC 1600 | |
| 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

none

3. Core Requirements

(21 hrs)

- | | | |
|----------|-----------------------------------|-------|
| PLA 3013 | Law and the Legal System | 3 hrs |
| PLA 3104 | Legal Research | 3 hrs |
| PLA 3155 | Legal Writing | 3 hrs |
| PLA 3201 | Civil Practice and Procedure | 3 hrs |
| PLA 3610 | Property and Real Estate Law | 3 hrs |
| PLA 4700 | Professional Ethics and Liability | 3 hrs |
| PLA 4935 | Capstone: Legal Issues | 3 hrs |

Note: All core requirements must be completed with a minimum grade of "C" (2.0) to satisfy the major.

4. Upper Division Restricted Electives

(21 hrs)

21 additional hours of Legal Studies coursework selected in consultation with an advisor

5. Supporting Courses

(9-15 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.

6. 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:

UCF Degree Programs

Law and Society
 Litigation and Advocacy
 Public Law
 Sports and Entertainment Law
 Criminal Law and Individual Liberties
 Estates and Property Law
 Comparative and International Law
 Commercial and Transactional Law

A student may earn a maximum of two specializations. Specific course requirements are available at the department office or from the student's advisor.

7. Departmental Exit Requirements (120 hrs)
 Students must take a minimum of 33 hours of PLA courses at UCF. The total semester hours required is 120.

8. Electives (variable)
 The following electives must be completed with a minimum grade of "C" (2.0): PLA 4020, PLA 4240, PLA 4910

9. Foreign Language Requirements (0-8 hrs)
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.

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 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Business Administration, Criminal Justice, History, Political Science, Public Administration, Sociology

Related Minors: Business Administration, Criminal Justice, Political Science, Public Administration, Sociology

Transfer Note:
 Courses taken at community colleges do not substitute for Upper Division courses.

Minor
 The Legal Studies Minor consists of 21 or more semester hours. Required courses: PLA 3013 plus a minimum of 15 semester hours of legal studies courses and three semester hours of law-related courses selected with the aid of an advisor.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/aic/academic_learning_compacts.htm

Tentative Course Schedule for Entering Freshmen

| | | | |
|-----------------------------|------------------|--|------------------|
| Freshman Year | | | |
| Fall | 14 hrs | Spring | 15 hrs |
| ENC 1101 | 3 | ENC 1102 | 3 |
| PSY 2012 <i>or</i> SYG 2000 | 3 | CGS 1060C | 3 |
| MGF 1106 | 3 | ECO 2013 <i>or</i> POS 2041 | 3 |
| BSC 1005 <i>or</i> MCB 1310 | 3 | <i>or</i> ECO 2023 | |
| PAF 2102 | 2 | One course: ARH 2050, ARH 2051, MUL 2010, THE 2000, REL 2300, PHI 2010, LIT 2110, LIT 2120 | 3 |
| | | Elective | 3 |
| Sophomore Year | | | |
| Fall | 15/16 hrs | Spring | 15/16 hrs |
| PSC 1121 <i>or</i> CHM 1020 | 3 | PLA 3013 | 3 |
| SPC 1600 | 3 | EUH 2001 <i>or</i> HUM 2230 | 3 |
| EUH 2000 <i>or</i> HUM 2210 | 3 | <i>or</i> AMH 2020 | |

| | | | |
|------------------------------------|---------------|------------------------------------|---------------|
| <i>or</i> AMH 2010 | | For. Lang II <i>or</i> B.S. Option | 3/4 |
| For. Lang. I <i>or</i> B.S. option | 3/4 | Elective | 3 |
| Elective | 3 | Elective/Minor | 3 |
| Junior Year | | | |
| Fall | 15 hrs | Spring | 15 hrs |
| PLA 3104 | 3 | PLA 3155 | 3 |
| PLA 3201 | 3 | PLA 3610 | 3 |
| PLA Elective | 3 | PLA Elective | 3 |
| PLA Elective | 3 | PLA Elective | 3 |
| Supporting Elective | 3 | Supporting Elective | 3 |
| Senior Year | | | |
| Fall | 15 hrs | Spring | 15 hrs |
| PLA 4700 | 3 | PLA 4935 | 3 |
| Internship <i>or</i> PLA Elective | 3 | Internship <i>or</i> PLA Elective | 3 |
| Supporting Elective | 3 | PLA Elective | 3 |
| Elective/minor | 3 | Elective/minor | 3 |
| Elective/minor | 3 | Elective/minor | 3 |

LIBERAL STUDIES

Note: See Interdisciplinary Studies.

MANAGEMENT (B.S.B.A.)
College of Business Administration
BA2 101, 407-823-2184
<http://www.bus.ucf.edu>

1. Admission Requirements

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

Degree Requirements

| | |
|--|-----------------|
| 1. UCF General Education Program | (36 hrs) |
| A. Communication Foundations | 9 hrs |
| Required: SPC 1600 | |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| Select MAC 1140 Pre-Calculus | 3 hrs |
| Select CGS 2100C Computer Fundamentals for Bus | 3 hrs |
| D. Social Foundations | |
| Select ECO 2013 Macroeconomics <i>or</i> | 3 hrs |
| ECO 2023 Microeconomics | |
| Select one: PSY 2012, SYG 2000, ANT 2000 | 3 hrs |
| E. Science Foundation | 6 hrs |

2. Common Program Prerequisites (18-21 hrs)

Must be completed with a "C" (2.0) or better.

| | | |
|-----------|-------------------------------------|-------|
| ACG 2021 | Principles of Financial Accounting | 3 hrs |
| ACG 2071 | Principles of Managerial Accounting | 3 hrs |
| ECO 2013 | Macroeconomics | 3 hrs |
| ECO 2023 | Microeconomics | 3 hrs |
| *ECO 3401 | Quantitative Business Tools I | 3 hrs |
| CGS 2100C | Computer Fundamentals for Business | 3 hrs |

*At UCF, students who have completed MAC2233 and STA2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Required for All Business Majors (36 hrs)

Core Classes

| | | | |
|---|---|-------|--|
| First or subsequent semester in the College of Business Administration: | | | |
| GEB 3031 | Cornerstone (Required in 1st or 2nd semester) | 4 hrs | |
| GEB 3375 | Introduction to International Business | 4 hrs | |
| BUL 3130 | Legal & Ethical Environments of Business | 4 hrs | |
| ECO 3411 | Quantitative Business Tools II | 4 hrs | |
| FIN 3403 | Business Finance | 4 hrs | |
| MAN 3025 | Management of Organizations | 4 hrs | |
| ISM 3011C | Essentials of Management Information Systems | 4 hrs | |
| MAR 3023 | Marketing | 4 hrs | |
| Last Semester: | | | |
| MAN 4720 | Strategic Management | 4 hrs | |

4. Special college and/or department requirements:

- Must complete all Gordon Rule requirements, prior to admission to this degree.
- Students who change degree programs and select this major must adopt the most current catalog.

- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each Common Program Prerequisites class.
- Students wanting to major in 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 MAN 3025, MAN 4720, and each course applied toward the major.

5. Tracks

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 | Human Resource Management | 3 hrs |
| MAN 4240 | Organizational Theory and Behavior | 3 hrs |
| MAN 4320 | Recruitment and Selection | 3 hrs |
| MAN 4330 | Compensation Administration | 3 hrs |
| MAN 4350 | Training and Development | 3 hrs |
| Elective Courses | | (9 hrs) |
| (Choose among MAN courses, BUL 4540, GEB 4111, and GEB 4110) | | |
| MAN Elective | | 3 hrs |
| MAN Elective | | 3 hrs |
| MAN Elective | | 3 hrs |

| | | |
|--|-----------------------------------|-----------------|
| ■ General Management Track | | (24 hrs) |
| Required Courses | | (15 hrs) |
| ISM 3530 | Quality & Productivity Management | 3 hrs |
| MAN 4101 | Human Relations in Management | 3 hrs |
| MAN 4240 | Organizational Theory & Behavior | 3 hrs |
| MAN 4600 | International Management | 3 hrs |
| MAN 4701 | Business Ethics and Society | 3 hrs |
| Elective Courses | | (9 hrs) |
| (Choose among MAN courses, BUL 4540, GEB 3113, GEB 4111, and GEB 4110) | | |
| MAN Elective | | 3 hrs |
| MAN Elective | | 3 hrs |
| MAN Elective | | 3 hrs |

| | | |
|---|-------------------------------|-----------------|
| ■ Management Track: Entrepreneurship | | (24 hrs) |
| Required Courses | | (15 hrs) |
| MAN 3301 | Human Resources Management | 3 hrs |
| MAN 4802 | Entrepreneurship | 3 hrs |
| GEB 4110 | Business Plan Preparation | 3 hrs |
| GEB 4111 | New Venture Finance | 3 hrs |
| MAR 3641 | Market Intelligence <i>or</i> | |
| MAR 3391 | Professional Selling | 3 hrs |
| Elective Courses (chose among MAN courses and BUL 4540) | | 9 hrs |
| MAN Elective | | 3 hrs |
| MAN Elective | | 3 hrs |
| MAN Elective/BUL 4540 | Employment Law | 3 hrs |

6. Foreign Language Requirements (0-8 hrs)

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**

7. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

8. Electives* (variable)**
Total Semester Hours Required 120 hrs

Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.

- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF
- 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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/aic/academic_learning_compacts.htm

FOUR YEAR PLAN OF STUDY - ALL MANAGEMENT MAJORS

| | | | |
|--|---------------|-----------------|---------------|
| Freshman | | | |
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| ENC 1101* | 3 | ENC 1102* | 3 |
| Cult-Hist I* | 3 | Cult-Hist II* | 3 |
| SPC 1600 | 3 | Art/Music/Lit | 3 |
| ***Elective | 3 | MAC 1105* | 3 |
| ***Elective | 3 | CGS 2100C* | 3 |
| <i>Must complete nine hours in a summer semester</i> | | | |

| | | | |
|--|---------------|-----------------|---------------|
| Sophomore | | | |
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| ECO 2023* | 3 | ECO 2013* | 3 |
| ACG 2021* | 3 | ACG 2071* | 3 |
| Science | 3 | Science | 3 |
| Psy/Soc/Ant | 3 | ***Elective | 3 |
| ***Elective | 3 | ECO 3401* | 3 |
| <i>**C" (2.0) or better grade required in each class</i> | | | |
| <i>Student should choose to major in one of the two areas of study below</i> | | | |

GENERAL MANAGEMENT TRACK

| | | | |
|-----------------|---------------|-----------------|---------------|
| Junior | | | |
| 1st Term | 15 hrs | 2nd Term | 16 hrs |
| GEB 3031 | 4 | ISM 3011C | 4 |
| BUL 3130 | 4 | MAR 3023 | 4 |
| ISM 3530 | 3 | ECO 3411 | 4 |
| MAN 3025 | 4 | FIN 3403 | 4 |

| | | | |
|---|---------------|-----------------|---------------|
| Senior | | | |
| 1st Term | 16 hrs | 2nd Term | 16 hrs |
| GEB 3375 | 4 | MAN 4720 | 4 |
| MAN 4240 | 3 | MAN 4600 | 3 |
| MAN 4701 | 3 | MAN 4101 | 3 |
| **MAN Elective | 3 | **MAN Elective | 3 |
| **MAN Elective | 3 | ***Elective | 3 |
| <i>**Students select three electives from among MAN courses and BUL 4540.</i> | | | |
| <i>***General electives as required to reach 120 semester hours.</i> | | | |

HUMAN RESOURCE MANAGEMENT TRACK

| | | | |
|-----------------|---------------|-----------------|---------------|
| Junior | | | |
| 1st Term | 16 hrs | 2nd Term | 15 hrs |
| GEB 3031 | 4 | BUL 3130 | 4 |
| GEB 3375 | 4 | MAN 3301 | 3 |
| MAR 3023 | 4 | ECO 3411 | 4 |
| MAN 3025 | 4 | FIN 3403 | 4 |

UCF Degree Programs

| | | | |
|-----------------|---------------|-----------------|---------------|
| Senior | | | |
| 1st Term | 16 hrs | 2nd Term | 16 hrs |
| MAN 4330 | 3 | MAN 4720 | 4 |
| MAN 4240 | 3 | MAN 4350 | 3 |
| MAN 4320 | 3 | **MAN Elective | 3 |
| ISM 3011C | 4 | **MAN Elective | 3 |
| **MAN Elective | 3 | ***Elective | 3 |

**Students select three electives from among MAN courses and BUL 4540.

***General electives as required to reach 120 semester hours.

ENTREPRENEURSHIP TRACK

| | | | |
|-----------------|---------------|-----------------|---------------|
| Junior | | | |
| 1st Term | 16 hrs | 2nd Term | 15 hrs |
| GEB 3031 | 4 | MAN 4802 | 3 |
| GEB 3375 | 4 | ECO 3411 | 4 |
| MAR 3023 | 4 | BUL 3130 | 4 |
| MAN 3025 | 4 | FIN 3403 | 4 |

| | | | |
|-------------------|---------------|-----------------|---------------|
| Senior | | | |
| 1st Term | 16 hrs | 2nd Term | 16 hrs |
| GEB 4111/FIN 3461 | 3 | MAN 4720 | 4 |
| MAR 3641/3391 | 3 | GEB 4110 | 3 |
| MAN 3301 | 3 | **MAN Elective | 3 |
| ISM 3011C | 4 | **MAN Elective | 3 |
| **MAN Elective | 3 | ***Elective | 3 |

**Student select three electives from among MAN courses and BUL 4540.

***General electives as required to reach 120 semester hours.

MANAGEMENT INFORMATION SYSTEMS (B.S.B.A.)

College of Business Administration

BA2 101, 407-823-2184

<http://www.bus.ucf.edu>

Admission Requirements

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

Degree Requirements

| | |
|--|-----------------|
| 1. UCF General Education Program | (36 hrs) |
| A. Communication Foundations Required SPC 1600 | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations Select MAC 1140 Pre-Calculus | 3 hrs |
| Select CGS 2100C Computer Fundamentals for Business | 3 hrs |
| D. Social Foundations Select ECO 2013 Macroeconomics <i>or</i> ECO 2023 Microeconomics | 3 hrs |
| Select one: PSY 2012, SYG 2000, ANT 2000 | 3 hrs |
| E. Science Foundation | 6 hrs |

2. Common Program Prerequisites (18-21 hrs)

| | | |
|--|-------------------------------------|-------|
| Must be completed with a 2.0 or better. | | |
| ACG 2021 | Principles of Financial Accounting | 3 hrs |
| ACG 2071 | Principles of Managerial Accounting | 3 hrs |
| ECO 2013 | Macroeconomics | 3 hrs |
| ECO 2023 | Microeconomics | 3 hrs |
| CGS 2100C | Computer Fundamentals for Business | 3 hrs |
| *ECO 3401 | Quantitative Business Tools I | 3 hrs |

*At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Classes (36 hrs)

| | | | |
|--|---|-------|--|
| First or subsequent semester in the College of Business Administration: | | | |
| GEB 3031 | Cornerstone (Required in 1st or 2nd semester) | 4 hrs | |
| GEB 3375 | Introduction to International Business | 4 hrs | |
| BUL 3130 | Legal & Ethical Environments of Business | 4 hrs | |
| ECO 3411 | Quantitative Business Tools II | 4 hrs | |
| FIN 3403 | Business Finance | 4 hrs | |
| MAN 3025 | Management of Organizations | 4 hrs | |
| MAR 3023 | Marketing | 4 hrs | |
| ISM 3011C | Essentials of Management Information Systems | 4 hrs | |
| Last Semester: | | | |
| MAN 4720 | Strategic Management | 4 hrs | |

4. Special college and/or department requirements:

- Students who change degree programs and select this major must adopt the most current catalog.

- Students desiring to major in Management Information Systems must apply for admission to the major and have at least a 2.0 GPA in Common Program Prerequisites.
- 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.
- All courses required for the major (including electives) must be completed with a grade of "C" (2.0) or better in order to graduate.
- All College of Business Administration students are expected to have access to late model computers and the software needed to complete class assignments. This requirement is especially important for MIS majors. Contact a department advisor for the current expectations.
- Students are cautioned to study the course prerequisite structure and the Four Year Plan of Study later in this section when planning their schedules. MIS course prerequisites cannot be waived.
- Lower division courses may not be taken for upper division credit in the major.
- Students must earn at least a 2.0 GPA in the major and COB.
- 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.

5. Required Courses (20 hrs)

| | | |
|-----------|---------------------------------------|-------|
| ISM 3253 | MIS Techniques | 4 hrs |
| ISM 4113 | Information Systems Analysis & Design | 3 hrs |
| ISM 4212C | Database Management Systems | 4 hrs |
| ISM 4220 | Distributed Information Systems | 3 hrs |
| ISM 4300 | Information Technology Management | 3 hrs |
| ISM 4400 | Decision Support Systems | 3 hrs |

Plus two of the following: (6 hrs)

Any 3000 or 4000 level ISM prefix course.

6. Foreign Language Requirements (0-8 hrs)

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

7. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

8. Electives*** (variable)

Total Semester Hours Required 120 hrs

Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that

required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.

- ACG X001 and X011 will substitute for ACG 2021 at UCF
- 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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/aic/academic_learning_compacts.htm

FOUR YEAR PLAN OF STUDY - ALL MANAGEMENT INFORMATION SYSTEMS MAJORS

| | | | |
|-----------------|---------------|-----------------|---------------|
| Freshman | | | |
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| ENC 1101* | 3 | ENC 1102* | 3 |
| Cult-Hist I* | 3 | Cult-Hist II* | 3 |
| SPC 1600 | 3 | Art/Music/Lit | 3 |
| ***Elective | 3 | MAC 1105* | 3 |
| ***Elective | 3 | CGS 2100C* | 3 |

Must complete nine hours in a summer semester

| | | | |
|------------------|---------------|-----------------|---------------|
| Sophomore | | | |
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| ECO 2023* | 3 | ECO 2013* | 3 |
| ACG 2021* | 3 | ACG 2071* | 3 |
| Science | 3 | Science | 3 |
| Psy/Soc/Ant | 3 | MAR 3023 | 4 |
| ***Elective | 3 | ECO 3401* | 3 |

***"C" (2.0) or better grade required in each class*

| | | | |
|-----------------|---------------|-----------------|---------------|
| Junior | | | |
| 1st Term | 16 hrs | 2nd Term | 17 hrs |
| GEB 3031 | 4 | ***Elective | 3 |
| ISM 3011C | 4 | ISM 4400 | 3 |
| ISM 3253 | 4 | ISM 4212C | 4 |
| GEB 3375 | 4 | ISM 4220 | 3 |
| | | ECO 3411 | 4 |

| | | | |
|-----------------|---------------|-----------------|---------------|
| Senior | | | |
| 1st Term | 17 hrs | 2nd Term | 17 hrs |
| ISM Elective | 3 | MAN 4720 | 4 |
| FIN 3403 | 4 | ISM 4300 | 3 |
| ***Elective | 3 | ISM Elective | 3 |
| MAN 3025 | 4 | ISM Elective | 3 |
| ISM 4113 | 3 | BUL 3130 | 4 |

****General electives as required to reach 120 semester hours.*

MARKETING (B.S.B.A.) – GENERAL PROGRAM

College of Business Administration

BA2 101, 407-823-2184

<http://www.bus.ucf.edu>

Admission Requirements

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

Degree Requirements

1. UCF General Education Program (36 hrs)

| | |
|---|-------|
| A. Communication Foundations Required SPC 1600 | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations Select MAC 1140 Pre-Calculus | 3 hrs |
| Select CGS 2100C Computer Fundamentals for Bus | 3 hrs |

| | |
|--|-------|
| D. Social Foundations Select ECO 2013 Macroeconomics <i>or</i> ECO 2023 Microeconomics | 3 hrs |
| Select one: PSY 2012, SYG 2000, ANT 2000 | 3 hrs |
| E. Science Foundation | 6 hrs |

2. Core Classes (18-21 hrs)

Must be completed with a "C" (2.0) or better.

| | | |
|-----------|-------------------------------------|-------|
| ACG 2021 | Principles of Financial Accounting | 3 hrs |
| ACG 2071 | Principles of Managerial Accounting | 3 hrs |
| ECO 2013 | Macroeconomics | 3 hrs |
| ECO 2023 | Microeconomics | 3 hrs |
| *ECO 3401 | Quantitative Business Tools I | 3 hrs |
| CGS 2100C | Computer Fundamentals for Business | 3 hrs |

*At UCF, students who have completed MAC2233 and STA2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Required for All Business Majors (36 hrs)

First or subsequent semester in the College of Business Administration:

| | | |
|-----------|---|-------|
| GEB 3031 | Cornerstone (Required in 1 st or 2 nd semester) | 4 hrs |
| GEB 3375 | Introduction to International Business | 4 hrs |
| BUL 3130 | Legal & Ethical Environments of Business | 4 hrs |
| ECO 3411 | Quantitative Business Tools II | 4 hrs |
| FIN 3403 | Business Finance | 4 hrs |
| MAN 3025 | Management of Organizations | 4 hrs |
| ISM 3011C | Essentials of Management Information Systems | 4 hrs |
| MAR 3023 | Marketing | 4 hrs |

Last Semester:

| | | |
|----------|----------------------|-------|
| MAN 4720 | Strategic Management | 4 hrs |
|----------|----------------------|-------|

4. Special college and/or department requirements:

- Must complete all Gordon Rule requirements, prior to admission to this degree.
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Students wanting to major in Marketing must apply for admission to the major.
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students majoring in 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. MAR 3023 is included in this requirement.
- Students must earn at least a 2.0 GPA in the major and CBA.

5. 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 |

6. Restricted Electives - General Marketing (6 hrs)

| | | |
|---------------------------------------|--|-------|
| Minimum of 2 courses required: | | |
| MAR 3323 | Integrated Marketing Communication | 3 hrs |
| MAR 3403 | Sales Force Management | 3 hrs |
| MAR 3721 | E-Marketing | 3 hrs |
| *MAR 4156 | International Marketing | 3 hrs |
| MAR 4231 | Retailing Management | 3 hrs |
| MAR 4711 | Sport Marketing | 3 hrs |
| MAR 4712 | Healthcare Marketing | 3 hrs |
| MAR 4715 | Entertainment Marketing | 3 hrs |
| *MAR 4724 | Strategic Foundations in Global e-Business | 3 hrs |
| MAR 4841 | Services Marketing | 3 hrs |
| MAR 4941 | Marketing Internship | 3 hrs |
| MAR 4XXX | Contemporary Marketing Topics in Florida | 3 hrs |

*Either MAR 4156 or MAR 4724 (not both) may be taken as an elective.

UCF Degree Programs

7. Restricted Electives-Sales Track* (9 hrs)

Students must take:

| | | |
|-----------|-------------------------------|-------|
| MAR 3403 | Sales Force Management | 3 hrs |
| MAR 4415 | Advanced Professional Selling | 3 hrs |
| MAR 4413C | Strategic Issues in Sales | 3 hrs |

*Admission by department approval: Restricted to declared marketing majors. Requires submission of application by May 1. Must have earned a grade of B (3.0) or higher in MAR 3391 to apply. Department faculty committee will select a maximum of 40 sales track participants based on academic achievement, work experience, outside activities and leadership positions, and responses to questions on the application form. MAR 4415 is offered in the fall semester; MAR 4413C is offered in the spring semester.

8. Foreign Language Requirements (0-8 hrs)

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

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

10. Electives*** (variable)

Total Semester Hours Required 120 hrs

Majors who meet departmental criteria are also eligible to apply for a marketing internship (MAR 4941). For additional information about the department, curriculum, faculty, events, and careers in marketing, students are invited to visit our department home page at: <http://www.bus.ucf.edu/marketing/>.

Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF
- 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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

FOUR YEAR PLAN OF STUDY – GENERAL MARKETING

| | | | |
|--|---------------|-----------------|---------------|
| Freshman | | | |
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| ENC 1101* | 3 | ENC 1102* | 3 |
| Cult-Hist I* | 3 | Cult-Hist II* | 3 |
| SPC 1600 | 3 | Art/Music/Lit | 3 |
| ***Elective | 3 | MAC 1105* | 3 |
| ***Elective | 3 | CGS 2100C | 3 |
| <i>Must complete nine hours in a summer semester</i> | | | |

| | | | |
|--|---------------|-----------------|---------------|
| Sophomore | | | |
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| ECO 2023* | 3 | ECO 2013* | 3 |
| ACG 2021* | 3 | ACG 2071* | 3 |
| Science | 3 | Science | 3 |
| Psy/Soc/Ant | 3 | ***Elective | 3 |
| ***Elective | 3 | ECO 3401* | 3 |
| <i>**C* (2.0) or better grade required in each class</i> | | | |

| | | | |
|-----------------|---------------|-----------------|---------------|
| Junior | | | |
| 1st Term | 16 hrs | 2nd Term | 17 hrs |
| ECO 3411 | 4 | MAR 3391 | 3 |
| GEB 3031 | 4 | BUL 3130 | 4 |
| GEB 3375 | 4 | FIN 3403 | 4 |
| MAR 3023 | 4 | MAR 3503 | 3 |
| | | MAR 3613 | 3 |

| | | | |
|-----------------|---------------|--------------------------|---------------|
| Senior | | | |
| 1st Term | 17 hrs | 2nd Term | 13 hrs |
| MAR 4803 | 3 | MAN 4720 | 4 |
| MAR Elective | 3 | MAR 4804 | 3 |
| MAN 3025 | 4 | | |
| ISM 3011C | 4 | MAR Elective | 3 |
| MAR 3641 | 3 | GE Non-Business Elective | 3 |

General electives as required to reach 120 semester hours.

FOUR YEAR PLAN OF STUDY – MARKETING: SALES TRACK

| | | | |
|--|---------------|-----------------|---------------|
| Freshman | | | |
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| ENC 1101* | 3 | ENC 1102* | 3 |
| Cult-Hist I* | 3 | Cult-Hist II* | 3 |
| SPC 1600 | 3 | Art/Music/Lit | 3 |
| ***Elective | 3 | MAC 1105* | 3 |
| ***Elective | 3 | CGS 2100C | 3 |
| <i>Must complete nine hours in a summer semester</i> | | | |

| | | | |
|--|---------------|-----------------|---------------|
| Sophomore | | | |
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| ECO 2023* | 3 | ECO 2013* | 3 |
| ACG 2021* | 3 | ACG 2071* | 3 |
| Science | 3 | Science | 3 |
| Psy/Soc/Ant | 3 | ***Elective | 3 |
| ***Elective | 3 | ECO 3401* | 3 |
| <i>**C* (2.0) or better grade required in each class</i> | | | |

| | | | |
|-----------------|---------------|-----------------|---------------|
| Junior | | | |
| 1st Term | 16 hrs | 2nd Term | 16 hrs |
| ECO 3411 | 4 | MAR 3391 | 3 |
| GEB 3031 | 4 | MAR 3403 | 3 |
| GEB 3375 | 4 | FIN 3403 | 4 |
| MAR 3023 | 4 | MAR 3503 | 3 |
| | | MAR 3613 | 3 |

| | | | |
|-----------------|---------------|--------------------------|---------------|
| Senior | | | |
| 1st Term | 17 hrs | 2nd Term | 17 hrs |
| MAR 4803 | 3 | MAN 4720 | 4 |
| MAR 4415 | 3 | MAR 4804 | 3 |
| MAN 3025 | 4 | BUL 3130 | 4 |
| ISM 3011C | 4 | MAR 4413C | 3 |
| MAR 3641 | 3 | GE Non-Business Elective | 3 |

General electives as required to reach 120 semester hours.

MATHEMATICS - APPLIED TRACK (B.S.)

College of Sciences

Department of Mathematics, MAP 207, 407-823-6284

<http://math.ucf.edu>E-mail: math@mail.ucf.edu

Contact: H. Martin, MAP 215A, 407-823-5700,

E-mail: martin@math.ucf.edu

The Department of Mathematics offers courses identified by a suffix of H for students in the Honors Program; e.g., MAC 2311H, MAC 2312H, MAC 2313H, and MAP 2302H.

Admission Requirements none**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- All mathematics courses except MAC 2311, MAC 2312, MAC 2313, and MAP 2302 must either be taken from, or approved by the Department of Mathematics at UCF
- 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

1. UCF General Education Program (36+2 hrs)

(Note: Certain courses must be selected for this major, bringing GEP hours above 36)

| | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| 1. Select MAC 2311 | 4 hrs |
| 2. Select COP 3502C | 3 hrs |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | |
| 1. Select PHY 2048 & L | 4 hrs |
| 2. Select a listed course | 3 hrs |

2. Common Program Prerequisites (15 hrs)

| | | |
|-------------|--------------------------------|-------|
| COP 3223* | Intro to Programming with C | 3 hrs |
| MAC 2311 | Calculus with Analytic Geo I | GEP |
| MAC 2312 | Calculus with Analytic Geo II | 4 hrs |
| MAC 2313 | Calculus with Analytic Geo III | 4 hrs |
| PHY 2048*&L | Physics for Sci & Eng I w/lab | GEP |
| PHY 2049*&L | Physics for Sci & Eng II w/lab | 4 hrs |

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core requirements (48 hrs)

| | | |
|--------------------------|--------------------------------|---------|
| PHY 2048&L | Physics for Sci & Eng I w/lab | GEP |
| PHY 2049&L | Physics for Sci & Eng II w/lab | CPP |
| One course selected from | | 3 hrs |
| ENC 3241 | Writing for Tech Professional | |
| ENC 3310 | Magazine Writing I | |
| ENC 3311 | Advanced Expository Writing | |
| STA 2023 | Statistical Methods I | 3 hrs |
| MHF 3302 | Logic and Proof in Mathematics | 3 hrs |
| MAP 2302 | Differential Equations | 3 hrs |
| MAS 3105 | Matrix & Linear Algebra | 4 hrs |
| MAS 3106 | Linear Algebra | 4 hrs |
| Select one course | | 3-4 hrs |
| MAD 4203 | Applied Combinatorics | |
| MAP 4153 | Vector and Tensor Analysis | |
| MAP 4307 | Appl of Complex Variables | 3 hrs |
| MAP 4363 | Appl Boundary Value Prob I | 3 hrs |
| STA 4321 | Statistical Theory I | 3 hrs |
| MAP 4364 | Appl Boundary Value Prob II | 3 hrs |
| COP 3502C | Computer Science I | GEP |
| 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 |

4. Restricted Electives (6 hrs)

- a. Applied Elective 3 hrs
- Select from COT 4210, COT 4400, COT 5507, COT 5510, EGN 3310, EGN 3321, EGN 3343, EGN 3373, STA 4102, STA 5103, STA 4641
- b. Biological or physical sciences Elective 3 hrs
- Note: Students must satisfy course prerequisites before enrolling
- Select from PCB 3044, PCB 3063, PCB 4302C, PCB 4303C, CHM 3410, CHM 2210, PHY 3101, PHY 3323, PHY 4324, PHY 4424, PHY 4604

5. 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.
- Computer Competency met by COP 2200
- Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements

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**7. Electives (variable)**

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required 120 hrs**Related Programs:** Applied Math, Computer Science, Engineering, Math Education, Statistics**Related Minors:** Applied Computer Science, Computer Science, Engineering, Math, Physics, Statistics**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 common program prerequisites if taken prior to transferring to UCF:

- COP 3223* may use any programming language course with a COP prefix
- PHY 2048* & PHY 2049 with labs: may use any PHY, CHM or BSC course with a lab designed for science majors; however, PHY 2048 & PHY 2049 with labs are core requirements and still must be taken.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Suggested 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.

SummerTake Math Placement Test - <http://mathplacement.sdes.ucf.edu/>

UCF Degree Programs

Freshman Year

| | | |
|--------------------------|------------------------------|---|
| Fall | Spring | |
| ANT 2000* req# 1D2-GEP | 3 BSC 1005* req#1E2 GEP | 3 |
| ENC 1101 Composition I | 3 ENC 1102 Composition II | 3 |
| MAC 2311 Calc Anal Geo I | 4 MAC 2312 Calc Anal Geo II | 4 |
| STA 2023 Stat Methods I | 3 MHF 3302 Logic and in Math | 3 |

Sophomore Year

| | | |
|-----------------------------|-------------------------------|---|
| Fall | Spring | |
| COM 1000* req# 1A3-GEP | 3 POS 2041* req# 1D1-GEP | 3 |
| PHY 2048 Phy for Eng Sci I | 3 MAP 2302 Dif Equations | 3 |
| PHY 2048L Phy L Eng Sci I | 1 MAS 3106 Linear Algebra | 4 |
| MAC 2313 Calc Anal Geo III | 4 PHY 2049 Phy for Eng Sci II | 3 |
| MAS 3105 Matrix and Lin Alg | 4 PHY 2049L Phy L Eng Sci II | 1 |

Junior Year

| | | |
|------------------------------|--------------------------------|---|
| Fall | Spring | |
| AMH 2010* req# 1B1-GEP | 3 COP 3502C Computer Science I | 3 |
| COP 3223 Intro to Prog C | 3 MUL 2010* req# 1B2-GEP | 3 |
| MAD 4203* req# 3-Core | 4 MAP 4307 App complex var | 3 |
| MAP 4363 Ap Bound Prob I | 3 MAP 4364 Ap Bound Prob II | 3 |
| Elective* Check restrictions | 4 Elective* Check restrictions | 4 |

Senior Year

| | | |
|-----------------------------|--------------------------------|---|
| Fall | Spring | |
| ARH 2050* req# 1B3-GEP | 3 ENC 3241* req# 3-Core | 3 |
| COT 4500 Numerical Calculus | 3 MAP 4103 Math Modeling I | 3 |
| MAA 4226 Adv Calculus I | 4 STA 4322 Stat Theory II | 3 |
| STA 4321 Stat Theory I | 3 PCB 3063* req# 4b-ResElec | 3 |
| COT 4210* req# 4a-ResElec | 3 Elective* Check restrictions | 4 |

MATHEMATICS - COMPUTATIONAL TRACK (B.S.)

College of Sciences

Department of Mathematics, MAP 207, 407-823-6284

<http://math.ucf.edu>

E-mail: math@mail.ucf.edu

Contact: H. Martin, MAP 215A, 407-823-5700,

E-mail: martin@math.ucf.edu

The Department of Mathematics offers courses identified by a suffix of H for students in the Honors Program; e.g., MAC 2311H, MAC 2312H, MAC 2313H, and MAP 2302H.

Admission Requirements none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- All mathematics courses except MAC 2311, MAC 2312, MAC 2313, and MAP 2302 must either be taken from, or approved by, the Department of Mathematics at UCF.
- 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.

1. UCF General Education Program (36 + 2 hrs)

(Note: Certain courses must be selected for this major, bringing GEP hours above 36)

| | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| 1. Select MAC 2311 | 4 hrs |
| 2. Select COP 3502C | 3 hrs |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | |
| 1. Select PHY 2048 & L | 4 hrs |
| 2. Select a listed course | 3 hrs |

2. Common Program Prerequisites (15 hrs)

| | | |
|-------------|--------------------------------|-------|
| COP 3223* | Intro to Programming with C | 3 hrs |
| MAC 2311 | Calculus with Analytic Geo I | GEP |
| MAC 2312 | Calculus with Analytic Geo II | 4 hrs |
| MAC 2313 | Calculus with Analytic Geo III | 4 hrs |
| PHY 2048*&L | Physics for Sci & Eng I w/lab | GEP |
| PHY 2049*&L | Physics for Sci & Eng II w/lab | 4 hrs |

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Basic Core Requirements (6 hrs)

| | | |
|------------|--------------------------------|-------|
| COP 3502C | Computer Science I | GEP |
| PHY 2048&L | Physics for Sci & Eng I w/lab | GEP |
| PHY 2049&L | Physics for Sci & Eng II w/lab | CPP |
| STA 2023 | Statistical Methods I | 3 hrs |
| MAP 2302 | Differential Equations | 3 hrs |

4. Advanced Core Requirements (42 hrs)

| | | |
|-------------------|-----------------------------------|-------|
| Select one course | | |
| MHF 3302 | Logic and Proof in Mathematics | |
| COT 3100C | Intro to Discrete Structures | |
| ENC 3241 | Writing for the Tech Professional | 3 hrs |
| MAS 3106 | Linear Algebra | 4 hrs |
| MAD 4203 | Applied Combinatorics | 3 hrs |
| MAP 4307 | Appl of Complex Variables | 3 hrs |
| MAP 4363 | Appl Boundary Value Prob I | 3 hrs |
| STA 4321 | Statistical Theory I | 3 hrs |
| MAP 4364 | Appl Boundary Value Prob II | 3 hrs |
| COP 3503C | Computer Science II | 4 hrs |
| STA 4322 | Statistical Theory II | 3 hrs |
| MAA 4226 | Advanced Calculus I | 4 hrs |
| COT 4500 | Numerical Calculus | 3 hrs |
| Select one course | | |
| MAP 4103 | Mathematical Modeling I | 3 hrs |
| MAP 4153 | Vector and Tensor Analysis | |

5. Restricted Electives (18 hrs)

| | | |
|--|-----------------------------------|-------|
| Select six upper division courses | | |
| COP 3402 | Systems Software | 3 hrs |
| COP 3530C | Computer Science III | 3 hrs |
| CDA 4150C | Computer Architecture | 3 hrs |
| COP 4020 | Programming Languages I | 3 hrs |
| COP 4600 | Operating Systems | 3 hrs |
| COT 4210 | Discrete Computational Structures | 3 hrs |
| or any MAA, MAD, MAP, MAS, or MTG upper division courses | | |

6. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each course required in the degree program (sections 2-5 above).
- Participate in an exit interview.
- Computer Competency met by COP 3502C.
- Before applying to graduate, the CLAST must be completely satisfied.

7. Foreign Language Requirements

Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation: none

8. Electives (variable)

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. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Applied Mathematics, Computer Science, Engineering, Math Education, Statistics

Related Minors: Applied Computer Science, Computer Science, Engineering, Math, Physics, Statistics

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 common program prerequisites if taken prior to transferring to UCF:

- COP 3223*: may use any programming language course with a COP prefix.
- PHY 2048* & PHY 2049 with labs: may use any PHY, CHM or BSC course with a lab designed for science majors; however, PHY 2048 & PHY 2049 with labs are core requirements and still must be taken.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

MATHEMATICS - ENGINEERING/PHYSICS TRACK (B.S.)

College of Sciences
Department of Mathematics, MAP 207, 407-823-6284
<http://math.ucf.edu>
E-mail: math@mail.ucf.edu
 Contact: H. Martin, MAP 215A, 407-823-5700,
 E-mail: martin@math.ucf.edu

The Department of Mathematics offers courses identified by a suffix of H for students in the Honors Program; e.g., MAC 2311H, MAC 2312H, MAC 2313H, and MAP 2302H.

Admission Requirements none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- All mathematics courses except MAC 2311, MAC 2312, MAC 2313 and MAP 2302 must either be taken from, or approved by, the Department of Mathematics at UCF.
- 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.

1. UCF General Education Program (36+2 hrs)

(Note: Certain courses must be selected for this major, bringing GEP hours above 36)

- | | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| 1. Select MAC 2311 | 4 hrs |
| 2. Select COP 3502C | 3 hrs |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | |
| 1. Select PHY 2048 & L | 4 hrs |
| 2. Select a listed course | 3 hrs |

2. Common Program Prerequisites (15 hrs)

- | | | |
|-------------|--------------------------------|-------|
| COP 3223* | Intro to Programming with C | 3 hrs |
| MAC 2311 | Calculus with Analytic Geo I | GEP |
| MAC 2312 | Calculus with Analytic Geo II | 4 hrs |
| MAC 2313 | Calculus with Analytic Geo III | 4 hrs |
| PHY 2048*&L | Physics for Sci & Eng I w/lab | GEP |
| PHY 2049*&L | Physics for Sci & Eng II w/lab | 4 hrs |

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Basic Core Requirements (6 hrs)

- | | | |
|-------------------|--------------------------------|-------|
| COP 3502C | Computer Science I | GEP |
| PHY 2048&L | Physics for Sci & Eng I w/lab | GEP |
| PHY 2049&L | Physics for Sci & Eng II w/lab | CPP |
| MAP 2302 | Differential Equations | 3 hrs |
| Select one course | | 3 hrs |
| STA 3032 | Prob. & Stats for Engineers | |
| STA 2023 | Statistical Methods I | |

4. Advanced Core Requirements (53 hrs)

- | | | |
|---|---|---------|
| Select one course | | 3 hrs |
| MHF 3302 | Logic and Proof in Mathematics | |
| COT 3100C | Intro to Discrete Structures | |
| Select one course | | 3 hrs |
| MAP 4103 | Mathematical Modeling I | |
| EML 3034 | Modeling Meth in Mech. & Aero Eng | |
| PHZ 3151 | Computer Methods in Physics | |
| MAP 4153 | Vector and Tensor Analysis | 3 hrs |
| MAP 4307 | Appl of Complex Variables | 3 hrs |
| MAP 4363 | Appl Boundary Value Prob I | 3 hrs |
| MAP 4364 | Appl Boundary Value Prob II | 3 hrs |
| MAA 4226 | Advanced Calculus I | 4 hrs |
| EGN 3321 | Engineering Analysis - Dynamics | 3 hrs |
| Select one course | | 3 hrs |
| EGN 3420 | Engineering Analysis | |
| COT 4500 | Numerical Calculus | |
| Select one course | | 3-4 hrs |
| MAS 3106 | Linear Algebra | |
| MAD 4203 | Applied Combinatorics | |
| Select one course | | 3 hrs |
| EGN 3310 | Engineering Analysis - Statics | |
| PHY 3220 | Mechanics I | |
| Select one course | | 3 hrs |
| EGN 3373 | Principles of Electrical Engineering | |
| PHY 3101 | Physics for Eng & Sci III | |
| Select one course | | 3 hrs |
| CHM 2046 | Chemistry Fundamentals II | |
| or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above | | |
| Select one course | | 3 hrs |
| EGN 3358 | Thermo-Fluids-Heat Transfer | |
| PHY 3513 | Thermal & Statistical Physics | |
| or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above | | |
| Select one course | | 3 hrs |
| EML 3701 | Fluid Mechanics | |
| CWR 3201 | Engineering Fluid Mechanics | |
| PHY 3101 | Physics for Eng & Sci III | |
| (PHY 3101 may be selected only if EGN3373 is also taken) | | |
| ESI 4628C | Industrial Engr Applications of Computers | |
| PHZ 3113 | Intro. to Theoretical Methods of Physics | |
| or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above | | |
| Select one course | | 3 hrs |
| EGN 3331 | Mechanics of Materials | |
| CHM 2046 | Chemistry Fundamentals II | |
| ESI 4312 | Operations Research | |
| EGM 3601 | Solid Mechanics | |
| EML 4220 | Vibration Analysis | |
| EEL 3004 | Electrical Networks | |
| PHY 4604 | Wave Mechanics I | |
| or any MAA, MAD, MAP, or MAS course at 3000 level or above | | |
| Select one course | | 3 hrs |
| CES 4100C | Structural Analysis I | |
| EGN 3331 | Mechanics of Materials | |
| EIN 3000 | Intro. to Indust. Eng. & Mngmnt Sys | |
| EAS 3101 | Fundamentals of Aerodynamics | |
| EGM 3601 | Solid Mechanics | |
| EEL 3004 | Electrical Networks | |
| or any PHY, PHZ, AST, MAA, MAD, MAP, or MAS course at 3000 level or above | | |

5. Restricted Electives (6 hrs)

- | | | |
|--------------------|---|-------|
| Select two courses | | |
| STA 4321 | Statistical Theory I | 3 hrs |
| STA 4322 | Statistical Theory II | 3 hrs |
| PHY 3323 | Electricity & Magnetism I | 3 hrs |
| PHY 4324 | Electricity & Magnetism II | 3 hrs |
| EGN 3365 | Structure & Property of Materials | 3 hrs |
| EGN 3613 | Engineering Economic Analysis | 2 hrs |
| EEE 3342C | Intro. to Digital Circuits and Systems | 3 hrs |
| EEL 3801 | Intro. to Computer Engineering | 3 hrs |
| EEL 3657 | Linear Control Systems | 3 hrs |
| EML 4142 | Heat Transfer | 3 hrs |
| EML 4312C | Feedback Control | 3 hrs |
| EML 3262 | Kinematics of Mechanisms | 3 hrs |
| EAS 4200 | Flight Structures | 3 hrs |
| EAS 4400 | Spacecraft Attitude Dynamics | 3 hrs |
| EAS 4505 | Orbital Mechanics | 3 hrs |
| EAS 4105 | Flight Mechanics | 3 hrs |
| EML 4703 | Fluid Mechanics II | 3 hrs |
| EMA 4223 | Fund. of Mechanical Behavior of Materials | 3 hrs |
| CWR 4203C | Hydraulics | 3 hrs |
| CWR 4101C | Hydrology | 3 hrs |
| ENV 4561 | Environmental Eng - Process Design | 4 hrs |
| ESI 4234 | Quality Engineering | 3 hrs |
| ESI 4523C | Systems Simulation | 3 hrs |
| EIN 4333C | Industrial Control Systems | 3 hrs |

UCF Degree Programs

| | | |
|-----------|--------------------------------------|-------|
| EEL 3470 | Electromagnetic Fields | 3 hrs |
| EEL 3552C | Analog & Digital Communication Fund. | 4 hrs |
| EEL 4750 | Digital Signal Processing Fund. | 3 hrs |
| EEL 4767C | Computer System Design I | 4 hrs |
| EEL 4832 | Eng. Applications of Computer Models | 3 hrs |
| EEL 4851C | Engineering Data Structures | 4 hrs |

or any MAA, MAD, MAP, or MAS course at 3000 level or above

6. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each course required in the degree program (sections 2-5 above).
- Participate in an exit interview.
- Computer Competency met by EGN 3420 or COP 3502C.
- Before applying to graduate, the CLAST must be completely satisfied.

7. Foreign Language Requirements

Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation: none

8. Electives (variable)

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. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Applied Mathematics, Computer Science, Engineering, Math Education, Statistics

Related Minors: Applied Computer Science, Computer Science, Engineering, Math, Physics, Statistics

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 common program prerequisites if taken prior to transferring to UCF:

- COP 3223*: may use any programming language course with a COP prefix.
- PHY 2048* & PHY 2049 with labs: may use any PHY, CHM or BSC course with a lab designed for science majors; however, PHY 2048 & PHY 2049 with labs are core requirements and still must be taken.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

MATHEMATICS - MATHEMATICAL ECONOMICS TRACK (B.S.)

College of Sciences

Department of Mathematics, MAP 207, 407-823-6284

<http://math.ucf.edu>

E-mail: math@mail.ucf.edu

Contact: H. Martin, MAP 215A, 407-823-5700,

E-mail: martin@math.ucf.edu

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.
- All mathematics courses except MAC 2311, MAC 2312, MAC 2313, and MAP 2302 must either be taken from, or approved by, the Department of Mathematics at UCF.
- 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.

1. UCF General Education Program (36+2 hrs)

| | |
|---|-------|
| A. Communication Foundations | 9 hrs |
| Preferred: SPC 1600 | |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| Select MAC 2311 Calculus 1 | 4 hrs |
| Select STA 2023 Principles of Statistics | 3 hrs |
| D. Social Foundations | |
| Select ECO 2013 Macroeconomics <i>or</i> | 3 hrs |
| ECO 2023 Microeconomics | |
| Select one: PSY 2012, SYG 2000 <i>or</i> ANT 2000 | 3 hrs |
| E. Science Foundations | |
| PHY 2048 & L. CHM 2045C <i>or</i> BSC 2010C | 4 hrs |
| Select a listed course from the Science group not completed | 3 hrs |

2. Common Program Prerequisites (15 hrs)

| | | |
|-----------|--|------------|
| COP 3223* | Intro to Programming with C | 3 hrs |
| MAC 2311 | Calculus with Analytic Geo I | GEP |
| MAC 2312 | Calculus with Analytic Geo II | 4 hrs |
| MAC 2313 | Calculus with Analytic Geo III | 4 hrs |
| | Complete one of the following sequences: | GEP. 4 hrs |

PHY 2048&L & PHY 2049& L Physics for Eng & Sci I & II, *or*
CHM 2045C** & CHM 2046 & L Chemistry Fundamentals I & II, *or*
BSC 2010C & BSC 2011C Biology I & II

*See Transfer Notes for possible substitutes

**CHM 2040C plus CHM 2041C can substitute for CHM 2045C

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Basic Core Requirements (25 hrs)

| | | |
|----------|--------------------------------|-------|
| ECO 2013 | Principles of Macroeconomics | 3 hrs |
| ECO 2023 | Principles of Microeconomics | GEP |
| MHF 3302 | Logic and Proof in Mathematics | 3 hrs |
| MAP 2302 | Differential Equations | 3 hrs |
| MAS 3105 | Matrix and Linear Algebra | 4 hrs |
| STA 4321 | Statistical Theory I | 3 hrs |
| ECO 3101 | Intermediate Microeconomics | 3 hrs |
| ECO 3203 | Intermediate Macroeconomics | 3 hrs |
| ECO 4451 | Research Methods in Economics | 3 hrs |
| STA 2023 | Statistical Methods 1 | GEP |

4. Advanced Core Requirements (17 hrs)

| | | |
|----------|-------------------------|-------|
| MAA 4226 | Advanced Calculus I | 4 hrs |
| MAS 3106 | Linear Algebra | 4 hrs |
| MAP 4103 | Mathematical Modeling I | 3 hrs |
| ECO 3410 | Mathematical Economics | 3 hrs |
| ECO 4412 | Econometrics | 3 hrs |

5. Restricted Electives (18 hrs)

Select 3 courses from each of the following two areas:

Area 1 (3 courses)

| | | |
|----------|-----------------------------------|-------|
| 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 Proc & App. I | 3 hrs |
| MAP 4307 | Applications of Complex Variables | 3 hrs |

| | | |
|---------------------------|---------------------------------------|-------|
| Area 2 (3 courses) | | |
| ECO 3703 | International Trade | 3 hrs |
| ECO 4704 | International Macroeconomics | 3 hrs |
| ECO 4504 | Public Economics | 3 hrs |
| ECP 4403 | Industrial Organization & Game Theory | 3 hrs |
| ECP 4302 | Environ. & Natural Res. Economics | 3 hrs |
| STA 4322 | Statistical Theory II | 3 hrs |

6. Exit Requirements

- Students must earn a grade of "C" (2.0) or better in each course applied towards the major as well as a 2.0 overall average.
- Computer Competency met by ECO 4451 or COP 3223.

7. Foreign Language Requirements (0-8 hrs)

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 (variable)

Select primarily from upper level courses, with departmental advisor's approval.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Applied Mathematics, Statistics

Related Minors: Statistics, Computer Science

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 common program prerequisites if taken prior to transferring to UCF:

- COP 3223*: may use any programming language course with a COP prefix.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/aic/academic_learning_compacts.htm

Four Year Plan of Study - B.S. Mathematics, Mathematical Economics Track

| | | | |
|--------------------------|---------------|-------------------------------|---------------|
| Freshman | | | |
| 1st Term | 16 hrs | 2nd Term | 16 hrs |
| ENC 1101* Composition 1 | 3 | ECO 2023* Prin Microeconomics | 3 |
| Cult-Hist I* | 3 | MAC 2312 Calculus II | 4 |
| SPC 1600* | 3 | MHF 3302 Logic and Proof | 3 |
| MAC 2311* Calculus 1 | 4 | ENC 1102* | 3 |
| STA 2023* Stat Methods 1 | 3 | Art/Music/Lit* | 3 |

| | | | |
|---------------------------------|---------------|-------------------------|---------------|
| Sophomore | | | |
| 1st Term | 15 hrs | 2nd Term | 16 hrs |
| ECO 2013 Prin Macroeconomics | 3 | ECO 3101 Intermed Micro | 3 |
| PHY 2048 & 2048L Physics* | 4 | MAP 2302 Dif Equations | 3 |
| MAC 2313 Calculus III | 4 | MAS 3106 Linear Algebra | 4 |
| MAS 3105 Matrix and Lin Algebra | 4 | Science* | 3 |
| | | Cult-Hist II* | 3 |

| | | | |
|-------------------------|---------------|-------------------------|---------------|
| Junior | | | |
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| ECO 3203 Intermed Macro | 3 | MAP 4103 Math Modeling | 3 |
| Psy/Soc/Ant* | 3 | ECO 3410 Math Economics | 3 |
| STA 4321 Stat Theory 1 | 3 | Area 1 or 2 Elective | 4 |
| Area 1 or 2 Elective | 3 | Area 1 or 2 Elective | 3 |
| **Elective | 3 | **Elective | 3 |

| | | | |
|-------------------------|---------------|---------------------------|---------------|
| Senior | | | |
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| ECO 4412 Econometrics | 3 | ECO 4451 Research Methods | 3 |
| MAA 4226 Adv Calculus 1 | 3 | Area 1 or 2 Elective | 3 |
| Area 1 or 2 Elective | 3 | **Elective | 3 |
| Area 1 or 2 Elective | 3 | **Elective | 3 |
| **Elective | 3 | **Elective | 3 |

*GEP

**General electives as required to reach 120 semester hours.

MATHEMATICS - PURE TRACK (B.S.)

College of Sciences

Department of Mathematics, MAP 207, 407-823-6284

<http://math.ucf.edu>

E-mail: math@mail.ucf.edu

Contact: H. Martin, MAP 215A, 407-823-5700,

E-mail: martin@math.ucf.edu

The Department of Mathematics offers courses identified by a suffix of H for students in the Honors Program; e.g., MAC 2311H, MAC 2312H, MAC 2313H, and MAP 2302H.

Admission Requirements none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- All mathematics courses except MAC 2311, MAC 2312, MAC 2313, and MAP 2302 must either be taken from, or approved by the Department of Mathematics at UCF.
- 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.

1. UCF General Education Program (36+2 hrs)

(Note: Certain courses must be selected for this major, bringing GEP hours above 36)

| | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| 1. Select MAC 2311 | 4 hrs |
| 2. Select COP 3502C | 3 hrs |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | |
| 1. Select PHY 2048 & L | 4 hrs |
| 2. Select a listed course | 3 hrs |

2. Common Program Prerequisites (15 hrs)

| | | |
|-------------|--------------------------------|-------|
| COP 3223* | Intro to Programming with C | 3 hrs |
| MAC 2311 | Calculus with Analytic Geo I | GEP |
| MAC 2312 | Calculus with Analytic Geo II | 4 hrs |
| MAC 2313 | Calculus with Analytic Geo III | 4 hrs |
| PHY 2048*&L | Physics for Sci & Eng I w/lab | GEP |
| PHY 2049*&L | Physics for Sci & Eng II w/lab | 4 hrs |

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core requirements (48 hrs)

| | | |
|--------------------------|-----------------------------------|-------|
| PHY 2048&L | Physics for Sci & Eng I w/lab | GEP |
| PHY 2049&L | Physics for Sci & Eng II w/lab | CPP |
| One course selected from | | 3 hrs |
| ENC 3241 | Writing for the Tech Professional | |
| ENC 3310 | Magazine Writing | |
| ENC 3311 | Advanced Expository Writing | |
| STA 2023 | Statistical Methods | 3 hrs |
| MHF 3302 | Logic and Proof in Mathematics | 3 hrs |
| MAP 2302 | Differential Equations | 3 hrs |
| MAS 3105 | Matrix & Linear Algebra | 4 hrs |
| MAS 3106 | Linear Algebra | 4 hrs |
| MAP 4363 | Applied Boundary Value Prob I | 3 hrs |
| STA 4321 | Statistical Theory I | 3 hrs |
| MAS 4301 | Abstract Algebra I | 3 hrs |
| STA 4322 | Statistical Theory II | 3 hrs |

UCF Degree Programs

| | | |
|-----------|---------------------------|-------|
| COP 3502C | Computer Science I | GEP |
| MAA 4226 | Advanced Calculus I | 4 hrs |
| MAA 4227 | Advanced Calculus II | 3 hrs |
| MAD 4203 | Applied Combinatorics | 3 hrs |
| MTG 4302 | Introduction to Topology | 3 hrs |
| MAP 4307 | Appl of Complex Variables | 3 hrs |

4. Restricted Electives

Biological or physical sciences electives

(3 hrs)
3 hrs

Note: Students must satisfy course prerequisites before enrolling

Select from PCB 3044, PCB 3063, PCB 4302C, PCB 4303C, CHM 2210, CHM 2046, PHY 3101, PHY 3323, PHY 4424

5. 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.
- Computer Competency met by COP 3502C
- Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements

Admission: Two years high school or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation: none

7. Electives

(variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Statistics, Applied Math, Computer Science, Engineering, Math Education

Related Minors: Computer Science, Engineering, Math, Physics, Statistics

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 common program prerequisites if taken prior to transferring to UCF:

- COP 3223*: may use any programming course with a COP prefix.
- PHY 2048* & PHY 2049 with labs: may use any PHY, CHM or BSC course with a lab designed for science majors; however, PHY 2048 & PHY 2049 with labs are core requirements and still must be taken.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Suggested 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.

Summer

Take Math Placement Test - <http://mathplacement.sdes.ucf.edu/>

Freshman Year

Fall

| | |
|--------------------------|---|
| ANT 2000* req# 1D2-GEP | 3 |
| ENC 1101 Composition I | 3 |
| MAC 2311 Calc Anal Geo I | 4 |
| STA 2023 Stat Methods I | 3 |

Spring

| | |
|----------------------------|---|
| BSC 1005* req#1E2 GEP | 3 |
| ENC 1102 Composition II | 3 |
| MAC 2312 Calc Anal Geo II | 4 |
| MHF 3302 Logic and in Math | 3 |

Sophomore Year

Fall

| | |
|-----------------------------|---|
| COM 1000* req# 1A3-GEP | 3 |
| PHY 2048 Phy for Eng Sci I | 3 |
| PHY 2048L Phy L Eng Sci I | 4 |
| MAC 2313 Calc Anal Geo III | 3 |
| MAS 3105 Matrix and Lin Alg | 1 |

Spring

| | |
|-----------------------------|---|
| POS 2041* req# 1D1-GEP | 3 |
| MAP 2302 Dif Equations | 3 |
| MAS 3106 Linear Algebra | 4 |
| PHY 2049 Phy for Eng Sci II | 3 |
| PHY 2049L Phy L Eng Sci II | 1 |

Junior Year

Fall

| | |
|------------------------------|---|
| COP 3223 Intro to Prog C | 3 |
| MAP 4363 Ap Bound Prob I | 3 |
| MAS 4301 Algebraic Struct | 3 |
| Elective* Check restrictions | 4 |
| Elective* Check restrictions | 4 |

Spring

| | |
|------------------------------|---|
| COP 3502C Computer Science I | 3 |
| MUL 2010* req# 1B2-GEP | 3 |
| MAP 4307 App complex var | 3 |
| PCB 3063* req# 4-ResElect | 3 |
| Elective* Check restrictions | 4 |

Senior Year

Fall

| | |
|-------------------------|---|
| AMH 2010* req# 1B1-GEP | 3 |
| ENC 3241* req# 3-Core | 3 |
| MAA 4226 Adv Calculus I | 4 |
| MAD 4203 Comb Thry | 3 |
| STA 4321 Stat Theory I | 3 |

Spring

| | |
|------------------------------|---|
| ARH 2050* req# 1B3-GEP | 3 |
| MAA 4227 Adv Calculus II | 3 |
| MTG 4302 Intro to Topology | 3 |
| STA 4322 Stat Theory II | 3 |
| Elective* Check restrictions | 4 |

MATHEMATICS EDUCATION (B.S.)

College of Education

Department of Teaching and Learning Principles, ED 209

<http://education.ucf.edu/mathed>

Program Coordinators: Dr. Janet Andreasen, ED 123Q, 407-823-5430, E-mail: jandreas@mail.ucf.edu; Dr. Erhan Haciomeroglu, ED 115L, 407-823-4336, E-mail: erhansh@mail.ucf.edu

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 and/or CLAST examination (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program

(36+1 hrs)

| | |
|---|---------|
| A. Communication Foundation | (9 hrs) |
| 1. ENC 1101 English Composition I | 3 hrs |
| 2. ENC 1102 English Composition II | 3 hrs |
| 3. Prefer SPC 1600 Fundamentals of Oral Communication | 3 hrs |
| B. Cultural-Historical Foundation | (9 hrs) |
| 1. Prefer: AMH 2010 U.S. History 1492-1877 | 3 hrs |
| 2. Prefer: PHI 2010 Introduction to Philosophy | 3 hrs |
| 3. Prefer: AMH 2020 U.S. History 1877-present | 3 hrs |
| C. Mathematical Foundation | (7 hrs) |
| 1. Select MAC 2311 Calculus with Analytic Geometry I | 4 hrs |
| 2. Select: STA 2023 Statistical Methods I | 3 hrs |
| D. Social Foundation | (6 hrs) |
| 1. Prefer: POS 2041 American National Government | 3 hrs |
| 2. Prefer: PSY 2012 General Psychology | 3 hrs |
| E. Science Foundation | (6 hrs) |
| 1. Prefer: PSC 1121 Physical Science | 3 hrs |
| 2. Prefer: ANT 2511 The Human Species or BSC 1005 Biological Principles | 3 hrs |

Note: Students are advised to take the preferred courses.

| | |
|--|----------------|
| 2. Education Common Program Prerequisites | (9 hrs) |
| EDF 2005 Introduction to Education | 3 hrs |
| EDG 2701 Teaching Diverse Populations | 3 hrs |
| EME 2040 Technology for Educators | 3 hrs |

Note: In addition to EDG 2701, 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.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

| | |
|--|-----------------|
| 3. Other Program Requirements | (14 hrs) |
| EDF 2130* Child & Adolescent Development for Educators | 3 hrs |
| MAC 2311 Calculus with Analytic Geometry I | GEP |
| STA 2023 Statistical Methods 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 |

Note: Students should consult advisor regarding course options.

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

| | |
|--|-----------------|
| 4. Education Core Requirements | (18 hrs) |
| EDG 4410 Teaching Strategies and Classroom Mgmt | 3 hrs |
| EDF 4467 Learning Theory and Assessment | 3 hrs |
| EDF 4603 Analysis and Applications 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 Sec Settings | 3 hrs |
| RED 4043 Content Reading Kindergarten thru Grade 12 | 3 hrs |

- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required mathematics courses 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 CLAST was used for admission) and before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.clinicalexperiences.education.ucf.edu>.

| | |
|------------------------|----------------|
| 5. Internship I | (3 hrs) |
| MAE 3940 Internship I | 3 hrs |

| | |
|---|-----------------|
| 6. Specialization Requirements | (27 hrs) |
| A grade of "C-" (1.75) or better is required. | |
| MAS 3105 Elementary Linear and Matrix 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 Geometry | 4 hrs |
| STA 4163 Statistical Methods II | 3 hrs |
| MAE 4360 Mathematics Instructional Analysis | 4 hrs |
| MAE 4634 Programs in Teaching Mathematics | 3 hrs |

| | |
|-------------------------|-----------------|
| 7. Internship II | (12 hrs) |
| MAE 4941 Internship II | 12 hrs |

- At least 80% of all required mathematics courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing scores on the Subject Area Examination (Mathematics 6-12) portion of the Florida Teacher Certification Examination is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.clinicalexperiences.education.ucf.edu>.

- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the preprofessional level in accordance with State Board of Education Rule 6A-5.066.

8. Foreign Language Requirements (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.)

9. 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.

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 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

11. Total Program Semester Hours Required 120 hrs

Consult with your Education advisor and review your degree audit for more recent information.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

12. Recommended Four-Year Sequence of Courses

| | | | |
|--|-----------------|--|-----------------|
| Freshman Year | | | |
| Fall | (13 hrs) | Spring | (16 hrs) |
| EDG 2701 Teaching Diverse Pop | 3 | AMH 2010 U.S. History 1492-1877 | 3 |
| ENC 1101 English Composition I | 3 | ENC 1102 English Composition II | 3 |
| MAC 2311 Calculus with Analytic Geo I | 4 | MAC 2312 Calculus w/Analy Geo II | 4 |
| PSC 1121 Physical Science | 3 | ANT 2511 The Human Species or BSC 1005 Biological Principles | 3 |
| | | SPC 1600 Fund of Oral Comm | 3 |
| Summer (10 hrs) | | | |
| EDF 2005 Intro to Education | 3 | | |
| MAC 2313 Calculus with Analytic Geo III | 4 | | |
| PHI 2010 Intro to Philosophy | 3 | | |
| Sophomore Year | | | |
| Fall | (15 hrs) | Spring | (16 hrs) |
| MAP 2302 Differential Equations | 3 | AMH 2020 US History 1877-present | 3 |
| MHF 3302 Logic & Proof in Math | 3 | EME 2040 Technology for Educator | 3 |
| PSY 2012 General Psychology | 3 | MAS 3105 Elem Lin Matrix Algebra | 4 |
| POS 2041 American National Gov | 3 | MAS 3203 Intro to Number Theory | 3 |
| STA 2023 Statistical Methods I | 3 | EDF 2130* Child and Adol Dev Ed | 3 |
| Junior Year | | | |
| Fall | (13 hrs) | Spring | (12 hrs) |
| EDF 4467 Learn Theory & Assmt | 3 | RED 4043 Content Read K-12 | 3 |
| EDG 4410 Teach Strat & Class Mgmt | 3 | MAE 4634 Prog in Teach Math | 3 |
| EEX 4242 Teach Ex Stud in Sec Setting | 3 | STA 4163 Statistical Methods II | 3 |
| MTG 4212 Modern Geometry | 4 | TSL 4080 Theory & Prac of Teach ESOL Students in Schools | 3 |
| Senior Year | | | |
| Fall | (13 hrs) | Spring | (12 hrs) |
| MAE 3940 Internship I | 3 | MAE 4941 Internship II | 12 |
| EDF 4603 Anal & Appl of Eth, Legal, & Safe Issues in Sch | 3 | | |
| MHF 4404 History of Math | 3 | | |
| MAE 4360 Math Instruct Analysis | 4 | | |

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

UCF Degree Programs

MECHANICAL ENGINEERING (B.S.M.E.)

College of Engineering and Computer Science
Mechanical, Materials & Aerospace Engineering
Department,

ENGR 307, 407-823-2416; Fax: 407-823-0208
<http://www.mmae.ucf.edu>

Associate Chair: Dr. Kuo-Chi Lin, E-mail: klin@mail.ucf.edu;
Undergraduate Advisor: Waheeda Illasarie,
E-mail: willasar@mail.ucf.edu

Admission Requirements: none

1. UCF General Education Program for Engineering Students (36+2 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 |
| 1. ENC 1101 & ENC 1102 | |
| 2. Prefer SPC 1016 | |
| B. Cultural and Historical Foundations | 9 hrs |
| 1. Select two courses from Historical Foundations | |
| 2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1000, REL 2300, PHI 2010, LIT 2110, <i>or</i> LIT 2120 | |
| C. Mathematical Foundations | 7 hrs |
| 1. Select MAC 2311 (PR: MAC 1114) | |
| 2. Select STA 3032 (PR: MAC 2312) | |
| D. Social Foundations | 6 hrs |
| 1. Prefer ECO 2013 <i>or</i> ECO 2023. | |
| 2. ANT 2000, PSY 2012, <i>or</i> SYG 2000. | |
| E. Science Foundations | 7 hrs |
| 1. Select PHY 2048/48L (PR: MAC 2311) | |
| 2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, <i>or</i> MCB 1310 | |

2. Common Program Prerequisites (CPP's) (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, marked with an asterisk (*).**

Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

| | | |
|---------------|---|-------|
| CHS 1440* | Fundamentals of Chemistry for Eng (CHM 2045C/45L will substitute) | 4 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 2048/48L* | Physics for Engineers & Scientists I | GEP |
| PHY 2049/49L | Physics for Engineers & Scientists II | 4 hrs |
| ENC 1101 | Composition I | GEP |
| ENC 1102 | Composition II | GEP |
| | Humanities Courses | GEP |
| | Social Science Courses | GEP |
| | Humanities <i>or</i> Social Sciences | GEP |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Courses Required for the Major (65 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 senior design courses listed in 4. below.

| | | |
|-----------|--|-------|
| EGN 1006C | Intro to the Engineering Profession | 1 hr |
| EGN 1007C | Engineering Concepts & Methods | 1 hr |
| EGN 3310 | Engineering Analysis - Statics | 3 hrs |
| EGN 3321 | Engineering Analysis - Dynamics | 3 hrs |
| EGN 3343 | Thermodynamics | 3 hrs |
| EGN 3365 | Structure & Properties of Materials | 3 hrs |
| EGN 3373 | Principles of Electrical Engring | 3 hrs |
| STA 3032 | Probability & Statistics for Engineers | GEP |
| EML 3034 | Modeling Methods in MMAE | 3 hrs |
| EML 3303C | Mechanical Engrg Measurements | 3 hrs |
| EML 4312C | Feedback Control | 3 hrs |
| EML 3500 | Machine Design & Analysis | 3 hrs |

| | | |
|-----------|-------------------------|-------|
| EGM 3601 | Solid Mechanics | 3 hrs |
| EML 3701 | Fluid Mechanics I | 3 hrs |
| EML 4142 | Heat Transfer | 3 hrs |
| EML 4220 | Vibration Analysis | 3 hrs |
| EML 4535C | Introduction to CAD/CAM | 3 hrs |

Select one of the following three options for your senior year to complete your BSME. (21 hrs)

a. Energy Systems Option

| | | |
|-----------|----------------------------------|--------|
| EML 3101 | Thermodynamics of Mechanical Sys | 3 hrs |
| EML 4304C | Thermo-fluids Measurements | 2 hrs |
| EML 4703 | Fluid Mechanics II | 3 hrs |
| EML 4145 | Topics in Heat Transfer | 1 hr |
| | Approved Electives | 12 hrs |

b. Mechanical Systems Option

| | | |
|-----------|----------------------------|--------|
| EML 4304C | Thermo-fluids Measurements | 2 hrs |
| EML 3262 | Kinematics of Mechanisms | 3 hrs |
| EGM 3601L | Solid Mechanics Lab | 1 hr |
| | Approved Electives | 15 hrs |

c. Materials Option

| | | |
|-----------|--|-------|
| EMA 3012C | Experimental Techniques in Mechanics & Materials | 3 hrs |
| EMA 4102 | Thermodynamics and Kinetics of Materials | 3 hrs |
| EMA 3124 | Design and Selection of Materials | 3 hrs |
| EMA 4223 | Fundamentals of Mech. Behavior of Materials | 3 hrs |
| | Approved Electives | 9 hrs |

4. Departmental Graduation 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.

| | | |
|---------------------|-----------------------------|-------|
| EML 4501C | Engineering Design I | 3 hrs |
| <i>or</i> EGN 4412C | Interdisciplinary Design I | |
| EML 4502C | Engineering Design I | 3 hrs |
| <i>or</i> EGN 4413C | Interdisciplinary Design II | |

CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

5. Foreign Language Requirements (0-8 hrs)

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

6. Approved Restricted and Technical Electives

Technical electives 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.

7. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: 128 hrs

Related Programs: Aerospace Engineering.

Related Minors: Space Studies, Intelligent Robotic Systems, Engineering Leadership.

Transfer Notes:

- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The two credit hours for these courses may be substituted by an approved Mechanical Engineering technical

elective for transfer students. However, students may take EGN 1007C in the Spring semester if they do not have knowledge of Mathcad or Matlab.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$72 per term
- Part-time Student\$36 per term

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 Engineering - 128 semester hours required

FIRST YEAR

| | | | |
|----------------------------------|---------------------------|-----------------------------|---------------------|
| Fall | 15 hrs ¹ | Spring | 15 hrs ¹ |
| EGN 1006C Intro to Eng Prof | 1 | EGN 1007C Eng Conc & Meth | 1 |
| *ENC 1101 English Comp I | 3 | *ENC 1102 English Comp II | 3 |
| *CHS 1440 Chm Eng | 4 | *MAC 2312 Calc II | 4 |
| or CHM 2045C w/lab | | *SPC 1016 Oral Comm for Eng | 3 |
| *MAC 2311 Calc I | 4 | *PHY 2048 Phys Eng I w/lab | 4 |
| *ECO 2013 or 2023 Macro or Micro | 3 | | |
| Summer | 10 hrs ^{1, 3, 4} | | |
| *MAC 2313 Calc III | 4 | | |
| *Social Foundations | 3 | | |
| *Historical Foundations | 3 | | |

SECOND YEAR

| | | | |
|-----------------------------|---------------------|------------------------------|--------|
| Fall | 13 hrs ¹ | Spring | 15 hrs |
| STA 3032 Prob & Stats/Engrs | 3 | EGN 3321 Engr Anal-Dynamics | 3 |
| *MAP 2302 Diff Equations | 3 | EGN 3365 Strctr & Prop Matls | 3 |
| EGN 3310 Engr Anal-Statics | 3 | EGN 3343 Thermodynamics | 3 |
| *PHY 2049 Phys Eng II w/lab | 4 | EGM 3601 Solid Mechanics | 3 |
| | | EGN 3373 Prin of Elec Engr | 3 |

THIRD YEAR

| | | | |
|----------------------------|---------------------|-----------------------------|--------|
| Fall | 15 hrs ¹ | Spring | 15 hrs |
| EML 3500 Machine Design | 3 | EML 4220 Vibration Analysis | 3 |
| EML 3701 Fluid Mechanics I | 3 | Approved Technical Elective | 3 |
| EML 3034 Modeling Methods | 3 | EML 4142 Heat Transfer | 3 |
| EML 3303C Mech Engr Meas | 3 | EML 4535C CAD/CAM | 3 |
| *Science Foundations 2 | 3 | *Historical Foundations | 3 |

FOURTH YEAR

I. ENERGY SYSTEMS OPTION

| | | | |
|-----------------------------|------------------------|----------------------------------|------------------------|
| Fall | 15 hrs ^{1, 2} | Spring | 15 hrs ^{1, 2} |
| EML 3101 Thermo Mech Sys | 3 | EML 4502C Eng Design II | 3 |
| EML 4703 Fluid Mechanics II | 3 | or EGN 4413C Inter Design II | |
| EML 4501C Eng Design I | 3 | EML 4304C Meas Therm Sys | 2 |
| or EGN 4412C Inter Design I | | Approved Elective | 3 |
| EML 4312C Feedback Control | 3 | Approved Elective | 3 |
| Approved Elective | 3 | *Cultural Foundations | 3 |
| | | EML 4145 Topics in Heat Transfer | 1 |

II. MECHANICAL SYSTEMS OPTION

| | | | |
|-----------------------------|------------------------|-------------------------------|------------------------|
| Fall | 15 hrs ^{1, 2} | Spring | 15 hrs ^{1, 2} |
| EML 3262 Kinem Mechnsms | 3 | EML 4502C Eng Design II | 3 |
| EML 4501C Eng Design I | 3 | or EGN 4413C Inter Deisgn II | |
| or EGN 4412C Inter Design I | | Approved Elective | 3 |
| EML 4312C Feedback Control | 3 | EML 4304C Meas Therm Sys | 2 |
| Approved Elective | 3 | Approved Elective | 3 |
| Approved Elective | 3 | *Cultural Foundations | 3 |
| | | EGM 3601L Solid Mechanics Lab | 1 |

III. MATERIALS OPTION

| | | | |
|-------------------------------------|------------------------|--------------------------------|------------------------|
| Fall | 15 hrs ^{1, 2} | Spring | 15 hrs ^{1, 2} |
| EMA 4102 Thermo & Kinetics of Mtrls | 3 | EML 4502C Eng Design II | 3 |
| EML 4501C Eng Design I | 3 | or EGN 4413C Inter Design II | |
| or EGN 4412C Inter Design I | | EMA 3012C Exp Tech Mech/Mtrl | 3 |
| EMA 3124 Design & Select of Mtrls | 3 | EMA 4223 Fund of Mech Beh Mtrl | 3 |
| EML 4312C Feedback Control | 3 | Approved Elective | 3 |
| Approved Elective | 3 | *Cultural Foundations | 3 |

Notes:

1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in this catalog for further information.

- Students should consult the MAAE website (<http://www.mmae.ucf.edu>) or with the MAAE Associate Chairman in ENGR 307 for a list of approved technical electives and for the terms when specific courses of this type are to be offered. Students should check with the MAAE Associate Chairman each semester to ensure they are making satisfactory progress toward their degree.
- The State University System requires students to complete a minimum of nine semester hours during summer terms prior to graduation. See the section on Summer Attendance Requirement elsewhere in this catalog.

Important Notice:

- Certain courses required for this major serve as key prerequisites or are offered in specific terms. Any deviation from the four-year plan should be discussed with an academic advisor. Failure to take the courses as listed may result in a delay in the date of your graduation.
- Caution must be taken to ensure that you take courses in a proper sequence regarding prerequisites.
- If you are not ready to begin the Calculus sequence upon entry to the Mechanical Engineering curriculum it is imperative that you meet with your advisor to plan a personalized program of study. Mathematics and physics are cornerstones of a quality engineering program and it is important for your academic career that you proceed accordingly.

Accelerated BS/MS Degree Program

The Mechanical, Materials, and Aerospace Engineering Department 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.

MEDICAL LABORATORY SCIENCES (B.S.)

College of Medicine

Burnett School of Biomedical Sciences

Department of Molecular Biology and Microbiology

HPA2 335, 407-823-5932

<http://www.biomed.ucf.edu>

Chair: P.E. Kolattukudy

Program Director: Dorilyn Hitchcock, E-mail: hitchcod@mail.ucf.edu

Admission Requirements

Limited Access

Acceptance to the university does not necessarily constitute admission to the upper division Medical Laboratory Sciences program.

- Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Applications will be accepted until the class is filled.
- UCF application must also be submitted prior to program application. Acceptance to UCF is necessary before acceptance to the program can occur.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of "C" (2.0).

Degree Requirements

- The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS - 8410 Bryn Mawr Avenue Suite 670, Chicago, IL 60663) and is approved as a training program by the state of Florida Board of Clinical Laboratory Personnel.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisite Requirements before transferring within the Florida Public University/Community College System.

UCF Degree Programs

- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program.
- UCF Residency Requirement: 32 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- An FDLE background check and Board of Clinical Lab Personnel trainees license are required.

1. UCF General Education Program (36 + 2 hrs)

| | |
|------------------------------------|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| Select MAC 1105 | |
| Select STA 2023 | |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | |
| Select BSC 2010C | 4 hrs |
| Select CHM 2045C | 4 hrs |

2. Common Program Prerequisites (25 hrs)

| | | |
|-----------------|------------------------------------|------------|
| BSC 2010C | General Biology and lab | 3 hrs |
| CHM 2045C, 2046 | Chemistry Fundamentals I&II w/labs | GEP, 4 hrs |
| STA 2023 | Statistical Methods I | GEP |
| ZOO 3733C | Human Anatomy and Lab* | 4 hrs |
| CHM 2210, 2211 | Organic Chemistry I&II w/labs | 8 hrs |
| MCB 3020C | General Microbiology* | 5 hrs |
| PCB 3703C | Human Physiology and Lab* | 4 hrs |

*See Transfer Notes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements (63 hrs)

| | | |
|-----------|---|---------|
| MLS 3220C | Clinical Microscopy with lab | 3 hrs |
| MLS 4625 | Advanced Clinical Chemistry I /lab | 3/1 hrs |
| MLS 4630 | Advanced Clinical Chemistry II | 3 hrs |
| PCB 3233 | Immunology with Lab | 3/1 hrs |
| MLS 4430C | Clinical Parasitology | 2 hrs |
| MLS 3305 | Hematology with Lab | 3/1 hrs |
| MLS 4505C | Immunodiagnosics | 3 hrs |
| MLS 4910 | Intro to Clinical Research | 1 hr |
| MLS 4550 | Clinical Immunohematology | 4 hrs |
| MLS 4460C | Clinical Pathogenic Microbiology | 5 hrs |
| MLS 4334 | Hemostasis | 3 hrs |
| MLS 4933 | Medical Technology Seminar | 2 hrs |
| MLS 3705 | Concepts in Education/Management | 3 hrs |
| MLS 4830C | Interpretive & Practical Clinical Chem | 4 hrs |
| MLS 4831C | Interpretive & Practical Immunohematology | 4 hrs |
| MLS 4832C | Interpretive & Practical Hematology | 4 hrs |
| MLS 4833C | Diagnostic Microbiology | 4 hrs |
| CGS 1060C | Computer Fundamentals for Business | 3 hrs |
| BSC 3403C | Quantitative Biological Methods | 4 hrs |

4. Upper Division Restricted Electives none

5. Departmental Exit Requirements (126 hrs)

- 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.

6. Electives none

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Exit Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after CLEP awarded.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of summer credit (if applicable).

Total Semester Hours Required 126 hrs

Related Programs: Molecular Biology and Microbiology, Biology, Chemistry

Related Minors: Molecular Biology and Microbiology, Biology, Chemistry

Transfer Notes:

| | |
|---|-------|
| Community College Equivalencies | |
| Human Anatomy and Physiology I & II (BSC 2093C and 2094C) | 8 hrs |
| General Microbiology/Lab (MCB 2010C) | 4 hrs |

Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

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

Tentative Course Schedule for Entering Freshmen

| Freshman Year | | 16 hrs | Spring | 17 hrs |
|---------------|-----------|--------|----------------------|--------|
| Fall | ENC 1101 | 3 | ENC 1102 | 3 |
| | MAC 1105 | 3 | BSC 2010C | 4 |
| | SPC 1600 | 3 | CHM 2046 | 3 |
| | CHM 2045C | 4 | CHM 2046L | 1 |
| | CGS 1060C | 3 | ANT 2000 or SYG 2000 | 3 |
| | | | or PSY 2012 | |
| | | | STA 2023 | 3 |

| Sophomore Year | | 16 hrs | Spring | 17 hrs |
|----------------|-------------------------|--------|-------------|--------|
| Fall | POS 2041 or ECO 2013 | 3 | CHM 2211 | 3 |
| | CHM 2210 | 3 | CHM 2211L | 2 |
| | ZOO 3733C | 4 | MCB 3020C | 5 |
| | EUH 2000 or HUM 2210 | 3 | PCB 3703C | 4 |
| | or AMH 2010 | | EUH 2001 or | 3 |
| | MUL 2010 or THE 2000 | 3 | HUM 2230 or | |
| | or REL 2300 or PHI 2010 | | AMH 2020 | |

| Junior Year | | 13 hrs | Spring | 16 hrs |
|-------------|------------|--------|------------|--------|
| Fall | MLS 3220C | 3 | MLS 3305/L | 3/1 |
| | MLS 4625/L | 3/1 | MLS 4630 | 3 |
| | PCB 3233/L | 3/1 | MLS 4460C | 5 |
| | MLS 4430C | 2 | | |
| Summer | MLS 4334 | 3 | | |
| | MLS 4550 | 4 | | |

| Senior Year | | 16 hrs | Spring | 13 hrs |
|-------------|-----------|--------|-----------|--------|
| Fall | MLS 4830C | 4 | MLS 4910 | 2 |
| | MLS 4831C | 4 | MLS 4505C | 3 |
| | MLS 4832C | 4 | MLS 4933 | 1 |
| | MLS 4833C | 4 | MLS 3705 | 3 |
| | | | BSC 3403C | 4 |

MODERN LANGUAGE COMBINATION (B.A.)

College of Arts and Humanities

Department of Modern Languages & Literature, CNH 523

<http://mll.cah.ucf.edu/>

E-mail: forlang@mail.ucf.edu

Contact: P. Giordano, 407-823-2472

Admission Requirements

none

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.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Language combinations may consist of French, German or Spanish as a first language and any of those three as a second language, as well as Italian.
- 24 credits in the first language and 15 credits in the second must be taken at the 3000 level or above.
- At least 33 hours must be taken in Modern Language courses taught in the target language.
- Students must earn at least a "C" (2.0) in each upper division foreign language course.
- Co-op or internship credit cannot be used in this major
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which credit by Examination in literature courses only.
- Students must see their departmental advisor for counseling and schedule approval before registering.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)

- A. Communication Foundations 9 hrs
- B. Cultural and Historical Foundations 9 hrs
- C. Mathematical Foundations 3 hrs
 - Select MGF 1106 Finite Mathematics (may substitute a higher level math)
 - Prefer CGS 1060C Intro to Computer Sci *or* STA 1060C Statistics Using Excel 3 hrs
- D. Social Foundations 6 hrs
- E. Science Foundations 6 hrs

2. Common Program Prerequisites (0-14 hrs)

Completion of Intermediate level of proficiency. See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core requirements-first language (24 hrs)

- (French, German or Spanish)
- a. Composition (select one) 3 hrs
 - SPN 3420* Spanish Composition
 - FRE 3420* French Composition
 - FRE 4422* Advanced French Composition
 - GER 3420* German Composition
 - b. Oral Communication (select one) 3 hrs
 - SPN 3760* Adv Spanish Oral Communication
 - FRE 3760* Adv French Oral Communication
 - FRE 4421* Adv French Conversation
 - GER 3760* Adv German Oral Communication
- * A native or near-native speaker must substitute an alternate upper division language course in consultation with a departmental advisor.
- c. Literature (select one sequence) 6 hrs
 - SPW 3100 & 3101 Survey of Spanish Literature
 - SPW 3130 & 3131 Survey of Latin American Literature
 - FRW 3100 & 3101 Survey of French Literature
 - GEW 3100 & 3101 Survey of German Literature
 - d. Linguistics (select one) 3 hrs
 - FRE 3780 French Phonetics and Diction
 - FOL 3730 Romance Philology
 - GER 3780 German Phonetics and Diction
 - SPN 4801 Spanish Morphosyntax
 - SPN 4800 Spanish American Syntax
 - SPN 4780 Spanish Phonetics
 - e. Restricted Electives in the first language (chosen with departmental advisor) 9 hrs

4. Core requirements-second language (15 hrs)

- (French, German, Spanish, or Italian)
- a. Composition (select one) 3 hrs
 - SPN 3420, FRE 3420, GER 3420, ITA 3420

- b. Advanced Oral Communication (select one) 3 hrs
 - SPN 3760, FRE 3760, GER 3760, or ITA 3760
- c. Restricted Electives in the second language (chosen with departmental advisor) 9 hrs

5. 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 CGS 1060C or equivalent

6. Foreign Language Requirements (0-16 hrs)

Admission: Met by Graduation requirements.

Graduation: Met by degree program requirements (four semesters or proficiency).

7. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: French, Spanish

Related Minors: French, German, Italian, Judaic Studies, Latin American Area Studies, Spanish

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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/aic/academic_learning_compacts.htm

Suggested 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 | Spring | |
|------------------------|---------------------------|---|
| BSC 1005* req# 1E2-GEP | 3 ENC 1102 Composition II | 3 |
| ENC 1101 Composition I | 3 MUL 2010* req# 1B2-GEP | 3 |
| AMH 2010* req# 1B1-GEP | 3 POS 2041* req# 1D1-GEP | 3 |
| MGF 1106* req# 1C1-GEP | 3 STA 1060C* req# 1C2-GEP | 3 |
| SPN 1120C* req# 2-CPP | 4 SPN 1121C* req# 2-CPP | 4 |

Sophomore Year

| Fall | Spring | |
|----------------------------|--------------------------------|---|
| ANT 2000* req# 1D2-GEP | 3 REL 2300* req# 1B3-GEP | 3 |
| PSC 1121* req# 1E1-GEP | 3 SPN3234* req# 2-CPP | 3 |
| COM 1000* req# 1A3-GEP | 3 Elective* Check restrictions | 2 |
| SPN 2200* req# 2-CPP | 3 Elective* Check restrictions | 3 |
| FRE 1120C* req# Lang/Elect | 4 FRE 1121C* req# Lang/Elect | 4 |

Junior Year

| Fall | Spring | |
|------------------------------|--------------------------------|---|
| SPN 3420* req# 3a-Core1 | 3 SPW 3101* req# 3c-Core1 | 3 |
| SPN 3760* req# 3b-Core1 | 3 FRE 3420* req# 4a-Core2 | 3 |
| SPN 3300* req# 3e-Core1 | 3 SPN 3760* req# 4b-Core2 | 3 |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 |
| FRE 2200* req# Lang/Elect | 3 Elective* Check restrictions | 3 |

UCF Degree Programs

Senior Year

| | | | |
|------------------------------|---|------------------------------|---|
| Fall | | Spring | |
| SPW 3100* req# 3c-Core1 | 3 | SPN 4780* req# 3d-Core1 | 3 |
| SPN 4410* req# 3e-Core1 | 3 | SPN 4421* req# 3e-Core1 | 3 |
| FRE 4421* req# 4c-Core2 | 3 | FRE 4422* req# 4c-Core2 | 3 |
| FRW 3100* req# 4c-Core2 | 3 | Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 | | |

MOLECULAR BIOLOGY AND MICROBIOLOGY (B.S.)

College of Medicine

Burnett School of Biomedical Sciences

Department of Molecular Biology and Microbiology

HPA2 335, 407-823-5932

<http://www.biomed.ucf.edu>

Chair: P.E. Kolattukudy

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 (38+2 - 3 hrs)

(Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.)

| | |
|-------------------------------------|---------|
| A. Communication Foundations | |
| Select ENC 1101, ENC 1102 | 6 hrs |
| Prefer SPC 1016 Tech Presentations | 3 hrs |
| B. Cultural Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| Select MAC 2311 <i>or</i> MAC 2253 | 3-4 hrs |
| Select STA 2023 <i>or</i> CGS 1060C | 3 hrs |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | |
| Select BSC 2010C | 4 hrs |
| Select CHM 2045C | 4 hrs |

2. Common Program Prerequisites (16 hrs)

| | | |
|--------------------|-------------------------------------|------------|
| BSC 2010C | Biology I | GEP |
| BSC 2011C* | Biology II | 4 hrs |
| CHM 2045C**, 2046, | General Chemistry I, II, + Lab | GEP, 4 hrs |
| 2046L | | |
| CHM 2210, 2211, | Organic Chemistry I, II, + Lab | 8 hrs |
| 2211L | | |
| MAC 2311 | Calculus with Analytical Geometry I | GEP |

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements (33 hrs)

| | | |
|----------------------|---------------------------------------|-------|
| Life Sciences | | |
| MCB 3020C | General Microbiology | 5 hrs |
| MCB 4414 | Microbial Metabolism | 3 hrs |
| PCB 4239, 3233L | Molecular Immunology + Immunology Lab | 4 hrs |
| PCB 3522, 4524 | Molecular Biology I, II | 6 hrs |
| BSC 3403C | Quantitative Biological Methods | 4 hrs |

| | | |
|------------------|----------------|-------|
| Chemistry | | |
| BCH 4053 | Biochemistry I | 3 hrs |

| | | |
|------------------|-----------------------|-------|
| Physics | | |
| PHY 2053C, 2054C | College Physics I, II | 8 hrs |

or
PHY 2048, 2049 Physics for Scientists and Engineers I, II

| | |
|-----------------------------------|-----|
| Math, Statistics, Computer | |
| MAC 2311 <i>or</i> MAC 2253 | GEP |
| STA 2023 <i>or</i> CGS 1060C | GEP |

4. Upper Division Restricted Elective (7 courses minimum)

(Seven courses, 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.)

| | | |
|------------------|---------------------------------------|-------|
| *BCH 4054 | Biochemistry II | 3 hrs |
| BCH 4103L | Biochemical Methods | 2 hrs |
| *MCB 3203, 3203L | Pathogenic Microbiology + Lab | 4 hrs |
| *MCB 3404 | Bacterial Genetics and Physiology | 3 hrs |
| MCB 4114C | Microbial Systematics and Diagnostics | 4 hrs |

| | | |
|------------|--------------------------------------|-------|
| *MCB 4203 | Infectious Process | 3 hrs |
| MCB 4204 | Cellular Microbiology | 3 hrs |
| *MCB 4276 | Epidemiology of Infectious Diseases | 3 hrs |
| *MCB 4312 | Molecular Biotechnology | 3 hrs |
| *MCB 4503C | Virology | 3 hrs |
| MCB 4603 | Environmental Microbiology | 3 hrs |
| MCB 4721C | Methods in Biotechnology | 4 hrs |
| MCB 4970H | Honors Thesis | 3 hrs |
| MCB 4XXX | General Mycology | 4 hrs |
| *MCB 5225 | Molecular Biology of Disease | 3 hrs |
| MCB 5654 | Applied Microbiology | 3 hrs |
| MCB 5932 | Current Topics in Molecular Biology | 3 hrs |
| MLS 3220C | Clinical Microscopy with lab | 3 hrs |
| *MLS 3305 | Hematology | 3 hrs |
| *MLS 4334 | Hemostasis | 3 hrs |
| *MLS 4430C | Clinical Parasitology | 2 hrs |
| *MLS 4505C | Immunodiagnosics | 3 hrs |
| MLS 4625 | Advanced Clinical Chemistry I | 3 hrs |
| MLS 4630 | Advanced Clinical Chemistry II | 3 hrs |
| *PCB 3063 | Genetics | 3 hrs |
| *PCB 3703C | Human Physiology | 4 hrs |
| *PCB 4026 | Molecular and Cellular Pharmacology | 3 hrs |
| PCB 4174 | Foundations of Bio-imaging | 3 hrs |
| PCB 4251 | Tissue Engineering | 3 hrs |
| *PCB 4514 | Genetics II | 3 hrs |
| PCB 4529 | Experimental Molecular Biology | 3 hrs |
| *PCB 4805 | Endocrinology | 3 hrs |
| *PCB 5238 | Immunobiology | 4 hrs |
| PCB 5239 | Tumor Biology | 3 hrs |
| PCB 5275 | Signal Transduction Mechanisms | 3 hrs |
| *ZOO 3701C | Human Gross Anatomy | 3 hrs |
| *ZOO 3733C | Human Anatomy | 4 hrs |
| *ZOO 3744 | Neurobiology | 3 hrs |
| *ZOO 4603C | Vertebrate Embryology | 5 hrs |
| *ZOO 4605 | Human Clinical Embryology | 3 hrs |
| *ZOO 4704C | Clinical Neuroanatomy & Neuroscience | 4 hrs |
| *ZOO 4753C | Vertebrate Histology | 4 hrs |
| ZOO 5745C | Essentials of Neuroanatomy | 4 hrs |

*Recommended for Preprofessional students

5. 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.

6. Electives (variable)

Students are encouraged to participate in undergraduate research if interested in pursuing graduate or professional education.

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Exit Requirements

- A 2.0 UCF GPA.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required **120 hrs**

Related Programs: Biology, Biotechnology, Chemistry, Medical Laboratory Sciences

Related Minors: Biology, Chemistry

Transfer Notes:

Students who begin a two semester sequence course (e.g. General Chemistry) at a community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University's requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I & II requirement at the community college (lower division) level **must** take an additional 8 eight hours of upper division coursework at UCF.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- BSC 2011C*: may be substituted by BSC 3403C
- CHM 2045C**: may be substituted by CHM 2040C, 2041C

Honors in the 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 BSC 3404H "Quantitative Biological Methods" with a grade of B or better (4 credits).
- Complete MCB 4970H "Honors Thesis" with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits).

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/aic/academic_learning_compacts.htm

Tentative Course Schedule for Entering Freshmen**Freshman Year**

| Fall | 13 hrs | Spring | 16 hrs |
|----------------------|--------|----------------------|--------|
| ENC 1101 | 3 | ENC 1102 | 3 |
| PSY 2012 or SYG 2000 | 3 | CHM 2046 | 3 |
| or ANT 2000 | | CHM 2046L | 1 |
| CHM 2045C | 4 | MAC 1114 | 3 |
| MAC 1105 | 3 | BSC 2010C | 4 |
| | | SLS 2311C | 2 |
| | | (if Preprofessional) | |

Sophomore Year

| Fall | 14/15 hrs | Spring | 15 hrs |
|-------------------------|-----------|-------------------------|--------|
| CHM 2210 | 3 | CHM 2211 | 3 |
| MCB 3020C | 5 | CHM 2211L | 2 |
| MAC 2311* or MAC 2253 | 4/3 | STA 2023 | 3 |
| EUH 2000 or AMH 2010 | | or CGS 1060C | |
| or WOH 2012 or HUM 2210 | 3 | BSC 3403C | 4 |
| | | EUH 2001 | 3 |
| | | or AMH 2020 | |
| | | or HUM 2230 or WOH 2022 | |

Plan your required 9 summer hours into your course of study

Junior Year

| Fall | 17 hrs | Spring | 16 hrs |
|----------------------|--------|----------------------|--------|
| PCB 3522 | 3 | PCB 4524 | 3 |
| Restricted Elective | 3 | PCB 4239 & PCB 3233L | 4 |
| PHY 2053C | 4 | PHY 2054C | 4 |
| or PHY 2048*, 2048L | | or PHY 2049*, 2049L | |
| BSC 2011C** | 4 | SPC 1600 | 3 |
| ECO 2013 or POS 2041 | 3 | or SPC 1016 | |
| | | (recommend SPC 1016) | |
| | | Restricted Elective | 2 |

*Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

**Or BSC 3403C

Senior Year

| Fall | 15/16 hrs | Spring | 12/15 hrs |
|---------------------|-----------|---------------------|-----------|
| BCH 4053 | 3 | MCB 4414 | 3 |
| Restricted Elective | 3/4 | Restricted Elective | 3/4 |
| Restricted Elective | 3 | Restricted Elective | 3/4 |
| Restricted Elective | 3/4 | Restricted Elective | 3/4 |
| Cultural/Historical | 3 | | |

MOLECULAR BIOLOGY AND MICROBIOLOGY - PREPROFESSIONAL CONCENTRATION (B.S.)**College of Medicine****Burnett School of Biomedical Sciences****Department of Molecular Biology and Microbiology**

HPA2 335, 407-823-5932

<http://www.biomed.ucf.edu>

Chair: P.E. Kolattukudy

Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet all the admission requirements for those programs while obtaining a Molecular Biology and Microbiology degree.

Admission Requirements

none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- Students should consult with a Departmental advisor and the Pre-health Advisement Office in HPA I 124.

1. UCF General Education Program

(36+ 2-3 hrs)

(Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.)

A. Communication Foundations

| | |
|------------------------------------|---------|
| Select ENC 1101, ENC 1102 | 6 hrs |
| Prefer SPC 1016 Tech Presentations | 3 hrs |
| B. Cultural Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 3-4 hrs |
| Select STA 2023 or CGS 1060C | 3 hrs |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | |
| Select BSC 2010C | 4 hrs |
| Select CHM 2045C | 4 hrs |

2. Common Program Prerequisites

(16 hrs)

| | | |
|---|-------------------------------------|------------|
| BSC 2010C | Biology I | GEP |
| BSC 2011C* | Biology II | 4 hrs |
| CHM 2045C**, 2046, General Chemistry I, II, + Lab | | GEP, 4 hrs |
| 2046L | | |
| CHM 2210, 2211, Organic Chemistry I, II, + Lab | | 8 hrs |
| 2211L | | |
| MAC 2311 | Calculus with Analytical Geometry I | GEP |

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements

(35 hrs)

| | | |
|----------------------|---------------------------------------|-------|
| Life Sciences | | |
| MCB 3020C | General Microbiology | 5 hrs |
| MCB 4414 | Microbial Metabolism | 3 hrs |
| PCB 4239, 3233L | Molecular Immunology + Immunology Lab | 4 hrs |
| PCB 3522, 4524 | Molecular Biology I, II | 6 hrs |
| BSC 3403C | Quantitative Biological Methods | 4 hrs |
| SLS 2311C | Selected Medical Careers | 2 hrs |

Chemistry

| | | |
|----------|----------------|-------|
| BCH 4053 | Biochemistry I | 3 hrs |
|----------|----------------|-------|

Physics

| | | |
|------------------|-----------------------|-------|
| PHY 2053C, 2054C | College Physics I, II | 8 hrs |
|------------------|-----------------------|-------|

or

| | | |
|----------------|--|--|
| PHY 2048, 2049 | Physics for Scientists and Engineers I, II | |
|----------------|--|--|

Math, Statistics, Computer

| | |
|-----------------------|-----|
| MAC 2311 or MAC 2253 | GEP |
| STA 2023 or CGS 1060C | GEP |

*May be substituted by BSC 3403C

**Or CHM 2040C, 2041C

4. Upper Division Restricted Electives**(7 courses minimum)**

(Seven courses, 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.)

UCF Degree Programs

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, 3203L | Pathogenic Microbiology + Lab | 4 hrs |
| MCB 3404 | Bacterial Genetics and Physiology | 3 hrs |
| MCB 4203 | Infectious Process | 3 hrs |
| MCB 4276 | Epidemiology of Infectious Diseases | 3 hrs |
| MCB 4312 | Molecular Biotechnology | 3 hrs |
| MCB 4503C | Virology | 3 hrs |
| MCB 4970H | Honors Thesis | 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 | Immunodiagnosics | 3 hrs |
| PCB 3063 | Genetics | 3 hrs |
| PCB 3703C | Human Physiology | 4 hrs |
| PCB 4026 | 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 | 3 hrs |
| ZOO 3733C | Human Anatomy | 4 hrs |
| ZOO 3744 | Neurobiology | 3 hrs |
| ZOO 4603C | Vertebrate Embryology | 5 hrs |
| ZOO 4605 | Human Clinical Embryology | 3 hrs |
| ZOO 4704C | Clinical Neuroanatomy and Neuroscience | 4 hrs |
| ZOO 4753C | Vertebrate Histology | 4 hrs |

5. 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.

6. Electives

(variable)

7. Foreign Language Requirements

(0-8 hrs)

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. University Minimum Exit Requirements

- A 2.0 UCF GPA.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required

120 hrs

Related Programs: Biology, Biotechnology, Chemistry, Medical Laboratory Sciences

Related Minors: Biology, Chemistry

Transfer Notes:

Students who begin a two semester sequence course (e.g. General Chemistry) at a community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University's requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I & II requirement at the community college (lower division) level must take an additional 8 eight hours of upper division coursework at UCF.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- BSC 2011C*: may be substituted by BSC 3403C
- CHM 2045C**: may be substituted by CHM 2040C, 2041C

Honors in the 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 BSC 3404H "Quantitative Biological Methods" with a grade of B or better (4 credits).
- Complete MCB 4970H "Honors Thesis" with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits).

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Tentative Course Schedule for Entering Freshmen

| Freshman Year | | | | |
|-----------------------------|--------|-----------------------------|--|--------|
| Fall | 13 hrs | Spring | | 16 hrs |
| ENC 1101 | 3 | ENC 1102 | | 3 |
| PSY 2012 <i>or</i> SYG 2000 | 3 | SLS 2311C | | 2 |
| <i>or</i> ANT 2000 | | CHM 2046 | | 3 |
| CHM 2045C | 4 | CHM 2046L | | 1 |
| MAC 1105 <i>or</i> elective | 3 | BSC 2010C | | 4 |
| | | MAC 1114 <i>or</i> elective | | 3 |

| Sophomore Year | | | | |
|---------------------------------------|-----------|---------------------------------------|--|--------|
| Fall | 14/15 hrs | Spring | | 15 hrs |
| CHM 2210 | 3 | CHM 2211 | | 3 |
| MCB 3020C | 5 | CHM 2211L | | 2 |
| MAC 2311* <i>or</i> MAC 2253 | 4/3 | STA 2023 <i>or</i> CGS 1060C | | 3 |
| EUH 2000 <i>or</i> AMH 2010 | | BSC 3403C | | 4 |
| <i>or</i> WOH 2012 <i>or</i> HUM 2210 | 3 | EUH 2001 <i>or</i> AMH 2020 | | 3 |
| | | <i>or</i> HUM 2230 <i>or</i> WOH 2022 | | |

Plan your required 9 summer hours into your course of study

| Junior Year | | | | |
|--------------------------------|--------|------------------------------|--|--------|
| Fall | 17 hrs | Spring | | 16 hrs |
| PCB 3522 | 3 | PCB 4524 | | 3 |
| Restricted Elective | 3 | PCB 4239 + PCB 3233L | | 4 |
| PHY 2053C <i>or</i> PHY 2048*, | 4 | PHY 2054C | | 4 |
| 2048L | | <i>or</i> PHY 2049*, 2049L | | |
| BSC 2011C** | 4 | SPC 1600* <i>or</i> SPC 1016 | | 3 |
| ECO 2013 <i>or</i> POS 2041 | 3 | (<i>recommend</i> SPC 1016) | | |
| | | Restricted Elective | | 2 |

*Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

**Or equivalent

| Senior Year | | | | |
|---------------------|-----------|---------------------|--|-----------|
| Fall | 15/16 hrs | Spring | | 12/16 hrs |
| BCH 4053 | 3 | MCB 4414 | | 3 |
| Restricted Elective | 3 | Restricted Elective | | 3/4 |
| Restricted Elective | 3 | Restricted Elective | | 3/4 |
| Restricted Elective | 3/4 | Restricted Elective | | 3/4 |
| Cultural/Historical | 3 | | | |

MOLECULAR BIOLOGY AND MICROBIOLOGY-UCF/USF Accelerated Medical School Program (B.S.)

Note: For detailed information about this program, see the description in the "Accelerated Undergraduate-Graduate Programs" section.

MUSIC (B.A.)

College of Arts and Humanities
 Department of Music, CNH 205A
<http://www.music.ucf.edu>

Academic Advisor: Kirk Gay, 407-823-5968; Fax 407-823-3378,
 E-mail: kgay@mail.ucf.edu

Requirements for Admission

- 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://music.ucf.edu/students> to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement; at least 25 hours must be taken from the UCF Music department
- Each student must complete a faculty approved capstone project.
- Co-op or internship credit cannot be used in this major
- Students should consult with a departmental advisor for course selections
- Courses designated in 1 (General Education Program) are usually spread over the full four years
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (36 hrs)
 (see General Education Program for detailed information)

- A. Communication Foundations 9 hrs
 Select ENC 1101 and ENC 1102
 Prefer SPC 1600
- B. Cultural and Historical Foundations 3 hrs
 Select one course from 1.B.1 list
 Select MUH 3212 History and Literature II
 Select one course from 1.B.1 or 1.B.2 list 3 hrs
- C. Mathematical Foundations 3 hrs
 Prefer MGF 1106 Finite Mathematics
 (may substitute a higher level math)
 Prefer STA 1060C Statistics Using Excel 3 hrs
- D. Social Foundations 6 hrs
- E. Science Foundations 6 hrs

2. Common Program Prerequisites (28 hrs)

- MUT 1121 Music Theory and Musicianship I 4 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MUN XXXX Ensembles 4 hrs
- MXV XXXX Performance 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

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements (12 hrs)

- MUL 2014 Introduction to Music Literature 3 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUS 1010 Music Forum (four semesters) 0 hrs
- MUT 3571 20th Century Musical Analysis 3 hrs
- MUH 3211 Music History & Literature I 3 hrs
- MUH 3212 Music History & Literature II 3 hrs

4. Restricted Electives-Music (12-16 hrs)

Choose from any MUX 3XXX or 4XXX (No more than 6 of these credits can be taken as MUN courses.)

5. 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. Electives (3-11 hrs)
 Select primarily from upper-level courses

7. Departmental Exit Requirements (3 hrs)

- MUS 4900 Capstone/Senior Thesis Project 3 hrs
- Earn a grade of "C" (2.0) or better in each Music course

8. Foreign Language Requirements (0-8 hrs)

Admission: 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.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Music Education, Music (BM), Theatre, Musical Theatre

Related Minors: Music, Theatre

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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$90 per term
- Part-time Student\$45 per term

Suggested 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 | 14 hrs | Spring | 17 hrs |
|--|--------|---|--------|
| ENC 1101 Composition I (GEP A.1.) | 3 | ENC 1102 Composition II (GEP A. 2.) | 3 |
| MUT 1121 Music Theory and Musicianship I | 4 | MUT 1122 Music Theory and Musicianship II | 4 |
| MUN XXXX Ensemble | 1 | MUN XXXX Ensemble | 1 |
| MXV 141X Performance I | 2 | MXV 141X Performance I | 2 |
| MVK 1111 Class Piano I | 1 | MVK 1112 Class Piano II | 1 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUL 2014 Intro to Music History and Literature | 3 | MUS 2360C Intro to Music Technology | 3 |
| | | GEP E.1. Science Foundation | 3 |

Sophomore Year

| Fall | 16 hrs | Spring | 16 hrs |
|--|--------|---|--------|
| SPC 1600 Fundamentals Oral Comm (GEP A.3) | 3 | GEP B.1. Cultural & Historical Foundation | 3 |
| MUT 2126 Music Theory and Musicianship III | 4 | MUT 2127 Music Theory and Musicianship IV | 4 |
| MUN XXXX Ensemble | 1 | MUN XXXX Ensemble | 1 |
| XXX 1120 Foreign Language | 4 | XXX 1121 Foreign Language | 4 |
| MVK 2121 Class Piano III | 1 | MVK 2122 Class Piano IV | 1 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| STA 1060C Basic Statistics MS Excel (GEP C.2.) | 3 | MGF 1106 Finite Mathematics (GEP C.1.) | 3 |

Junior Year

| Fall | 15 hrs | Spring | 15 hrs |
|---|--------|--|--------|
| GEP B.2. Cultural & Historical Foundation | 3 | MUX 3/4XXX Music Restricted Elective | 3 |
| MUH 3211 Music History and Literature I | 3 | MUH 3212 Music History and Literature II | 3 |
| MUT 3571 20th Century Musical Analysis | 3 | Elective | 3 |
| MUX 3/4XXX Music Restricted Elective | 3 | MUX 3/4XXX Music Restricted Elective | 3 |
| 3XXX 3/4XXX Non-Music Restricted Elective | 3 | XXX 3/4XXX Non-Music Restricted Elective | 3 |

UCF Degree Programs

| | | | |
|--|--------|--|--------|
| Senior Year | | | |
| Fall | 15 hrs | Spring | 12 hrs |
| GEP D.1. Social Foundation | 3 | GEP D.2. Social Foundation | 3 |
| XXX 3/4XXX Non-Music Restricted Elective | 3 | XXX 3/4XXX Non-Music Restricted Elective | 3 |
| MUX 3/4XXX Music Restricted Elective | 3 | MUS 4900 Capstone Project | 3 |
| GEP E.2. Science Foundation | 3 | XXX 3/4XXX Non-Music Restricted Elective | 3 |
| XXX 3/4XXX Non-Music Restricted Elective | 3 | | |

MUSIC EDUCATION (B.M.E.)

College of Arts and Humanities
 Department of Music, CNH 205A
<http://www.music.ucf.edu>
 E-mail: musicaud@mail.ucf.edu
 Contact: A. Holcomb, 407-823-4180, Fax 407-823-3378,
 E-mail: aholcomb@mail.ucf.edu

Admission Requirements - Music Education

- Audition. To be accepted into Music Education, a student must demonstrate advanced proficiency by performing compositions representing a variety of musical periods (baroque, classical, romantic, contemporary).
- Memorization is required for pianists and vocalists.
- Accompanists are provided for vocalists only.
- Each candidate must bring his/her own audition music.
- The department will only provide large instruments such as a tuba, string bass, or timpani for these auditions.
- The audition will serve as a placement exam for accepted candidates.
- Refer to the UCF Music Department website for specific audition requirements.
- Prior to attending the first music class as a music major at UCF, all students will take a keyboard placement examination to determine the appropriate level of class piano.
- Interview. In addition to a performance audition, students must successfully complete an interview with Music Education faculty.

Admission Requirements – Professional Program

- Application into the Professional Program must be made at the conclusion of 45 hours of course work. Students must complete a formal application for the Professional Program. (Deadlines: February 15 for fall semester admission and September 15 for spring semester admission). Transfers may be admitted on an individual basis at the discretion of the Music Education faculty. To apply for the Music Education Professional Program, students must:
 - Complete 45 hours of coursework including: 15 hours of General Education Program courses, EDF 2005, Music Theory and Musicianship III, 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 all 4 parts of the College Level Academic Skills Test (CLAST) or 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:

- Complete Class Piano IV, MUT 2127 Music Theory and Musicianship IV, two semesters of Performance II.
- 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).

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 in 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

| | |
|--|-----------------|
| 1. UCF General Education Program | (36 hrs) |
| (see General Education Program for detailed information) | |
| A. Communication Foundations | 9 hrs |
| Select ENC 1101 and ENC 1102 | |
| Prefer SPC 1600 | |
| B. Cultural and Historical Foundations | 3 hrs |
| Select one course from 1.B.1 list | |
| Select one course from 1.B.1 or 1.B.2 list | |
| C. Mathematical Foundations | 3 hrs |
| Prefer MGF 1106 Finite Mathematics | |
| (may substitute a higher level math) | |
| Prefer STA 1060C Statistics Using Excel | |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 6 hrs |

| | | |
|--|-----------------------------------|-------|
| 2. Common Program Prerequisites | (38 hrs) | |
| EDF 2005 | Introduction to Education | 3 hrs |
| EME 2040 | Technology for Educators | 3 hrs |
| EDG 2701 | Teaching Diverse Populations | 3 hrs |
| MUN XXXX | Major Ensembles (4 semesters) | 4 hrs |
| MUS 1010 | Music Forum (4 semesters) | 0 hrs |
| MUT 1121 | Music Theory and Musicianship I | 4 hrs |
| MUT 1122 | Music Theory and Musicianship II | 4 hrs |
| MUT 2126 | Music Theory and Musicianship III | 4 hrs |
| MUT 2127 | Music Theory and Musicianship IV | 4 hrs |
| MVK 2122 | Class Piano IV | 1 hr |
| MXV 141X | Performance I (2 semesters) | 4 hrs |
| MXV 242X | Performance II (2 semesters) | 4 hrs |
| See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information. | | |

| | | |
|-----------------------------------|-----------------------------------|-----|
| 3. Music Core Requirements | (0 hrs) | |
| MUN XXXX | Major Ensembles (4 semesters) | CPP |
| MUS 1010 | Music Forum (6 semesters) | CPP |
| MUT 1121 | Music Theory and Musicianship I | CPP |
| MUT 2126 | Music Theory and Musicianship III | CPP |
| MUT 2127 | Music Theory and Musicianship IV | CPP |
| MVK 2122 | Class Piano IV | CPP |
| MXV 141X | Performance I (2 semesters) | CPP |
| MXV 242X | Performance II (2 semesters) | CPP |

| | | |
|---|--------------------------------------|-------|
| 4. Music Education Prerequisites | (22 hrs) | |
| MUN XXXX | Major Ensembles (2 semesters) | 2 hrs |
| MXV 343X | Performance III (2 semesters) | 4 hrs |
| MUG 3104 | Basic Conducting | 2 hrs |
| MUL 2014 | Introduction to Music Literature | 3 hrs |
| MUH 3211 | Music History & Literature I | 3 hrs |
| MUH 3212 | Music History & Literature II | GEP |
| ESE 3940 | Internship I | 3 hrs |
| MUE 4311 | Elementary School Music Methods | 2 hrs |
| MUE 3333 | Music Learning Theory and Assessment | 3 hrs |

| | | |
|--------------------------|--|-------|
| 5. Education Core | (12 hrs) | |
| EDG 4410 | Teaching Strategies and Classroom Mgmt. | 3 hrs |
| TSL 4080 | Theory and Practice of Teaching ESOL Students | 3 hrs |
| EDF 4603 | Critical Analysis of Ethical, Legal and School Safety Issues | 3 hrs |
| RED 4043 | Content Reading K-12 | 3 hrs |

6. Music Education Specialty Area Courses and Professional Program Courses (Professional Program Courses Denoted by *)

Complete one program:

| | | |
|---------------------------------|---------------------------------------|--------|
| Program A – Instrumental | | |
| MUE 2346 | Vocal Techniques | 1 hr |
| MUG 3302 | Instrumental Conduct & Materials* | 2 hrs |
| MUE 4332 | Secondary Instrumental Methods I* | 3 hrs |
| MUE 4335 or | Secondary Instrumental Methods II* or | 3 hrs |
| MUE 4441 | String Methods* | |
| MUE 4394 | Seminar in Music Teaching* | 1 hr |
| ESE 4943 | Internship II* | 11 hrs |
| Choose 5: | | |
| MUE 2450 | Woodwind Techniques I | 1 hr |
| MUE 3451 | Woodwind Techniques II | 1 hr |
| MUE 2460 | Brass Techniques | 1 hr |
| MUE 3461 | Brass Techniques II | 1 hr |
| MUE 2470 | Percussion Techniques I | 1 hr |
| MUE 2471 | Percussion Techniques II | 1 hr |
| MUE 2440 | String Techniques | 1 hr |

Program B – Choral

| | | |
|----------|-------------------------------|--------|
| MUS 1250 | IPA for Singers | 1 hr |
| MUG 3202 | Choral Conduct & Materials* | 2 hrs |
| MVV 4640 | Vocal Pedagogy and Literature | 2 hrs |
| MUE 4331 | Secondary Choral Methods I* | 3 hrs |
| MUE 4337 | Secondary Choral Methods II* | 3 hrs |
| MUE 4394 | Seminar in Teaching Music* | 1 hr |
| ESE 4943 | Internship II* | 11 hrs |

Choose 3:

| | | |
|----------|--------------------------|------|
| MUE 2450 | Woodwind Techniques I | 1 hr |
| MUE 3451 | Woodwind Techniques II | 1 hr |
| MUE 2460 | Brass Techniques I | 1 hr |
| MUE 3461 | Brass Techniques II | 1 hr |
| MUE 2470 | Percussion Techniques I | 1 hr |
| MUE 2471 | Percussion Techniques II | 1 hr |
| MUE 2440 | String Techniques | 1 hr |

Program C – Elementary School

| | | |
|----------|--|--------|
| MUE 2346 | Vocal Techniques | 1 hr |
| MUE 4393 | Music and Students with Special Needs | 2 hrs |
| MUG 3X02 | Choral or Instrumental Conducting and Materials* | 2 hrs |
| MUE 3353 | General Music Literature and Techniques* | 2 hrs |
| MUE 4331 | Secondary Choral Methods I* | 3 hrs |
| MUE 4394 | Seminar in Teaching Music* | 1 hr |
| ESE 4943 | Internship II* | 11 hrs |

Choose 4:

| | | |
|----------|--------------------------|------|
| MUE 2450 | Woodwind Techniques I | 1 hr |
| MUE 3451 | Woodwind Techniques II | 1 hr |
| MUE 2460 | Brass Techniques I | 1 hr |
| MUE 3461 | Brass Techniques II | 1 hr |
| MUE 2470 | Percussion Techniques I | 1 hr |
| MUE 2471 | Percussion Techniques II | 1 hr |
| MUE 2440 | String Techniques | 1 hr |

7. Internship

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 and/or College Level Academic Skills Test (CLAST) (no alternatives or waivers will be accepted).
- Possess minimum overall GPA of 2.5
- Possess minimum specialization GPA of 2.5
- Possess minimum professional preparation GPA of 2.5
- Achieve a “C” or better in all prerequisite methods/specialization courses
- Complete a formal application for Internship I online (Deadlines: February 15 for fall semester and September 15 for spring semester)
- Current enrollment in or completion of Performance III (first semester)
- Completion of Music Education prerequisites and Education Core Requirements
- Completion of 30 semester hours of General Education and Common Program courses
- Completion of all Specialty Area courses except Secondary Methods II (MUE 433X), Seminar in Music Teaching (MUE 4394) and Internship II (ESE 4943)

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 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.

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.

8. Special Non-Course Requirements

Note: Contact the Music Education Advisor for details.

Students should register to take the General Knowledge Test of the Florida Teaching Certification Examination (FTCE) before the third semester of enrollment at UCF. (See <http://www.fl.nesinc.com/> for test information).

- **Electronic Portfolio.** 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

Advising

- Consult with the music education advisor for course selection

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.

9. 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.
- Computer competency is met through MUE 3693 Technology in Music Education.
- 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.

10. Foreign Language Requirements

(0-8 hrs)

Admission: 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

UCF Degree Programs

11. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits admitted

12. Total Semester Hours Required 134 hrs

Related Programs: Music, Theatre

Related Minors: Music, Theatre

Transfer Notes:

- Students transferring to UCF must pass an audition and interview in order to be accepted into the music education program (See Admissions Requirements above).
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Note: Education majors are required to take six hours (in addition to EDG 2701) 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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$90 per term
- Part-time Student\$45 per term

Suggested Plan of Study:

Examples given shows a student majoring in Bachelor of Music Education in Instrumental, Choral, and Elementary tracks. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Program A – Instrumental Program K–12

| | | | |
|--------------------------------------|-----------|--------------------------------------|-----------|
| Freshman | | | |
| Fall | | Spring | |
| GEP | 3 | GEP | 3 |
| GEP | 3 | GEP | 3 |
| EDF 2005 Introduction to Education | 3 | MUL 2014 Intro to Music Literature | 3 |
| MXV 141X Performance I | 2 | MXV 141X Performance I | 2 |
| MUN XXXX Ensemble | 1 | MUN XXXX Ensemble | 1 |
| MUT 1121 Music Theory & Musicianship | 4 | MUT 1122 Music Theory & Musicianship | 4 |
| MVK 1111 Class Piano I | 0 | MVK 1112 Class Piano II | 0 |
| MUE 2346 Vocal Techniques | 1 | MUS 1010 Music Forum | 0 |
| MUS 1010 Music Forum | 0 | CMENC/Schools | 0 |
| CMENC/Schools | 0 | | |
| Total | 17 | Total | 16 |

Sophomore

| | | | |
|---|-----------|--|-----|
| Fall | | | |
| MUS 1010 Music Forum | 0 | Spring | |
| GEP | 3 | MUS 1010 Music Forum | 0 |
| MUE XXXX Techniques | 1 | MUE XXXX Techniques | 1 |
| MUE XXXX Techniques | 1 | MUE XXXX Techniques | 1 |
| MUT 2126 Music Theory & Musicianship | 4 | EDG 2701 Teaching Diverse Populations | 3 |
| MVK 2121 Class Piano III | 0 | MUT 2127 Music Theory & Musicianship | 4 |
| MUH 3211 Music History and Literature I | 3 | MVK 2122 Class Piano IV | 1 |
| MXV 242X Performance II | 2 | MUH 3212 Music History and Literature II | GEP |
| MUN XXXX Ensemble | 1 | MXV 242X Performance II | 2 |
| CMENC/Schools | 0 | MUN XXXX Ensemble | 1 |
| Total | 15 | CMENC/Schools | 0 |

Apply for Professional Program

Junior

| | | | |
|--|-----------|--|-----------|
| Fall | | | |
| MUS 1010 Music Forum | 0 | Spring | |
| MUG 3104 Basic Conducting | 2 | MUS 1010 Music Forum | 0 |
| MUE 4332 Secondary Instrumental Methods I | 3 | MUG 3302 Inst Conducting & MS mat | 2 |
| MUE XXX Techniques | 1 | MUE 4335 Secondary Instrumental Methods II | 3 |
| EDG 4323 Teaching Strategies and Cl. Mgmt. | 3 | MUE 4441 String Methods | 0 |
| EDF 4603 Critical Analysis of Ethical.... | 3 | RED 4043 Content Reading | 3 |
| MXV 343X Performance III | 2 | GEP | 3 |
| MUN XXXX Ensemble | 1 | EME 2040 Technology for Educators | 3 |
| CMENC/Schools | 0 | MXV 343X Performance III | 2 |
| | | MUN XXXX Ensemble | 1 |
| | | CMENC/Schools | 0 |
| | | MUS 3953 Recital Performance I | 0 |
| Total | 15 | Total | 17 |

Senior

| | | | |
|--|-----------|------------------------------------|-----------|
| Fall | | | |
| ESE 3940 Internship I | 3 | Spring | |
| MUE 3333 Music Learning Theory & Assess. | 3 | ESE 4943 Internship II | 11 |
| GEP | 3 | MUE 4394 Seminar in Music Teaching | 1 |
| MUE 4311 Elem. School Music Methods | 2 | GEP | 3 |
| TSL 4080 Teaching LEP Children | 3 | | |
| CMENC | 0 | | |
| CMENC | 0 | | |
| Total | 14 | Total | 15 |

Take PET and Music Examination of FTCE

Remaining 3 GEP courses taken as part of 9 required summer hours

Program B – Choral Program K–12

| | | | |
|--------------------------------------|-----------|--------------------------------------|-----------|
| Freshman | | | |
| Fall | | | |
| GEP | 3 | Spring | |
| GEP | 3 | GEP | 3 |
| GEP | 3 | GEP | 3 |
| EDF 2005 Introduction to Education | 3 | MUL 2014 Intro to Music Literature | 3 |
| MXV 141X Performance I | 2 | MXV 141X Performance I | 2 |
| MUN XXXX Ensemble | 1 | MUN XXXX Ensemble | 1 |
| MUT 1121 Music Theory & Musicianship | 4 | MUT 1122 Music Theory & Musicianship | 4 |
| MVK 1111 Class Piano I | 0 | MUT 1122 Music Theory & Musicianship | 4 |
| MUS 1250 IPA for Singers | 1 | MVK 1112 Class Piano II | 0 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| CMENC/Schools | 0 | CMENC/Schools | 0 |
| CMENC/Schools | 0 | | |
| Total | 17 | Total | 16 |

Take General Knowledge Test

Sophomore

| | | | |
|---|-----------|--|-----------|
| Fall | | | |
| MUS 1010 Music Forum | 0 | Spring | |
| GEP | 3 | MUS 1010 Music Forum | 0 |
| MUE XXXX Techniques | 1 | MUE XXXX Techniques | 1 |
| MUE XXXX Techniques | 1 | EDG 2701 Teaching Diverse Populations | 3 |
| MUT 2126 Music Theory & Musicianship | 4 | MUT 2127 Music Theory & Musicianship | 4 |
| MVK 2121 Class Piano III | 0 | MVK 2122 Class Piano IV | 1 |
| MUH 3211 Music History and Literature I | 3 | MUH 3212 Music History and Literature II | GEP |
| MXV 242X Performance II | 2 | MXV 242X Performance II | 2 |
| MUN XXXX Ensemble | 1 | MUN XXXX Ensemble | 1 |
| CMENC/Schools | 0 | MUN XXXX Ensemble | 1 |
| GEP | 3 | CMENC/Schools | 0 |
| Total | 17 | Total | 15 |

Apply for Professional Program

Junior

| | | | |
|--|-----------|--|-----------|
| Fall | | | |
| MUS 1010 Music Forum | 0 | Spring | |
| MUG 3104 Basic Conducting | 2 | MUS 1010 Music Forum | 0 |
| MUE 4331 Secondary Choral Methods I | 3 | MUG 3202 Choral Conducting & Materials | 2 |
| EDG 4323 Teaching Strategies and Cl. Mgmt. | 3 | MUE 4337 Secondary Choral Methods II | 3 |
| EDF 4603 Critical Analysis of Ethical.... | 3 | RED 4043 Content Reading | 3 |
| MV 4640 Vocal Pedagogy and Literature | 3 | MUE XXXX Techniques | 1 |
| MXV 343X Performance III | 2 | EME 2040 Technology in Education | 3 |
| MUN XXXX Ensemble | 1 | MXV 343X Performance III | 2 |
| CMENC/Schools | 0 | MUN XXXX Ensemble | 1 |
| | | CMENC/Schools | 0 |
| | | MUS 3953 Recital Performance I | 0 |
| Total | 16 | Total | 15 |

Senior

| | | | |
|--|-----------|------------------------------------|-----------|
| Fall | | | |
| ESE 3940 Internship I | 3 | Spring | |
| MUE 3333 Music Learning Theory & Assess. | 3 | ESE 4943 Internship II | 11 |
| GEP | 3 | MUE 4394 Seminar in Music Teaching | 1 |
| MUE 4311 Elem. School Music Methods | 2 | GEP | 3 |
| TSL 4080 Teaching LEP Children | 3 | | |
| CMENC | 0 | | |
| CMENC | 0 | | |
| Total | 14 | Total | 15 |

Take PET and Music Examination of FTCE

Remaining 3 GEP courses taken as part of 9 required summer hours

Program C – Elementary Program

Freshman

| | | | |
|--------------------------------------|--|-----------|-----------|
| Fall | Spring | | |
| GEP | 3 GEP | 3 | |
| GEP | 3 GEP | 3 | |
| EDF 2005 Introduction to Education | 3 MUL 2014 Intro to Music Literature | 3 | |
| MVX 141X Performance I | 2 MVX 141X Performance I | 2 | |
| MUN XXXX Ensemble | 1 MUN XXXX Ensemble | 1 | |
| MUT 1121 Music Theory & Musicianship | 4 MUT 1122 Music Theory & Musicianship | 4 | |
| MVK 1111 Class Piano I | 0 MVK 1112 Class Piano II | 0 | |
| MUE 2346 Vocal Techniques | 1 MUS 1010 Music Forum | 0 | |
| MUS 1010 Music Forum | 0 | | |
| CMENC/Schools | 0 CMENC/Schools | 0 | |
| Total | Total | 17 | 16 |

Take General Knowledge Test

Sophomore

| | | | |
|---|--|-----------|-----------|
| Fall | Spring | | |
| MUS 1010 Music Forum | 0 MUS 1010 Music Forum | 0 | |
| GEP | 3 MUE XXXX Techniques | 1 | |
| MUE XXXX Techniques | 1 EDG 2701 Teaching Diverse Populations | 3 | |
| MUT 2126 Music Theory & Musicianship | 4 MUT 2127 Music Theory & Musicianship | 4 | |
| MVK 2121 Class Piano III | 0 MVK 2122 Class Piano IV | 1 | |
| MUH 3211 Music History and Literature I | 3 MUH 3212 Music History and Literature II | 3 | |
| MVX 242X Performance II | 2 MVX 242X Performance II | 2 | |
| MUN XXXX Ensemble | 1 MUN XXXX Ensemble | 1 | |
| MUE XXXX Techniques | 1 MUE XXXX Techniques | 1 | |
| CMENC/Schools | 0 CMENC/Schools | 0 | |
| Total | Total | 15 | 16 |

Apply for Professional Program

Junior

| | | | |
|---|--|-----------|-----------|
| Fall | Spring | | |
| MUS 1010 Music Forum | 0 MUS 1010 Music Forum | 0 | |
| MUG 3104 Basic Conducting | 2 MUG 3X02 Choral or Instrumental Conducting | 2 | |
| MUE 4311 Elem. School Music Methods | 2 MUE 3353 General Music Lit. & Tech. | 2 | |
| EDG 4323 Teaching Strategies and Cl. Mgmt. | 3 RED 4043 Content Reading | 3 | |
| EDF 4603 Critical Analysis of Ethical.... | 3 GEP | 3 | |
| MUE 4393 Music and Students w Special Needs | 2 EME 2040 Technology in Education | 3 | |
| MVX 343X Performance III | 2 MVX 343X Performance III | 2 | |
| MUN XXXX Ensemble | 1 MUN XXXX Ensemble | 1 | |
| GEP | 3 MUS 3953 Recital Performance I | 0 | |
| CMENC/Schools | 0 CMENC/Schools | 0 | |
| Total | Total | 15 | 16 |

Senior

| | | | |
|--|--------------------------------------|-----------|-----------|
| Fall | Spring | | |
| ESE 3940 Internship I | 3 ESE 4943 Internship II | 11 | |
| MUE 3333 Music Learning Theory & Assess. | 3 MUE 4394 Seminar in Music Teaching | 1 | |
| GEP | 3 GEP | 3 | |
| MUE 4331 Secondary Choral Methods I or | 3 | | |
| TSL 4080 Teaching LEP Children | 3 | | |
| CMENC | 0 CMENC | 0 | |
| Total | Total | 15 | 15 |

Take PET and Music Examination of FTCE

Remaining 3 GEP courses taken as part of 9 required summer hours

MUSIC – JAZZ STUDIES TRACK (B.M.)

College of Arts and Humanities

Department of Music, CNH 205

<http://www.music.ucf.edu/>

E-mail: musicaud@mail.ucf.edu

Program Coordinator: J. Rupert, 407-823-5411,

E-Mail: jrupert@mail.ucf.edu; Academic Advisor: Kirk Gay, 407-823-5968; Fax 407-823-3378; E-mail: kgay@mail.ucf.edu

Audition Requirements for Admission

- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://music.ucf.edu/admissions_audition.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review

During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include the following:

- An evaluation of performance Skills
- Completion of Performance I and II
- Completion of MUS 2360C

- Completion of MUT 2127, Music Theory and Musicianship IV
- Completion of Class Piano IV
- Completion of Jazz Theory I & II
- Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.

This review is a pre-requisite for Performance level III.

Degree Requirements

- Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to <http://music.ucf.edu/> to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department
- Performance students must present two faculty-approved public recitals
- 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 (36 hrs)

(see General Education program for detailed information)

- A. Communication Foundations 9 hrs
 - Select ENC 1101 and ENC 1102
 - Prefer SPC 1600
- B. Cultural and Historical Foundations
 - Select one course from 1.B.1 list 3 hrs
 - Select MUL 2016 Evolution of Jazz 3 hrs
 - Select one course from 1.B.1 or 1.B.2 list 3 hrs
- C. Mathematical Foundations 3 hrs
 - Prefer MGF 1106 Finite Mathematics (may substitute a higher level math)
 - Prefer STA 1060C Statistics Using Excel 3 hrs
- D. Social Foundations 6 hrs
- E. Science Foundations 6 hrs

2. Common Program Prerequisites (24 hrs)

- MUT 1121 Music Theory and Musicianship I 4 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MUN 3713 Jazz Ensemble (four semesters) 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

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements (33 hrs)

- MUL 2014 Intro to Music History and Literature 3 hrs
- MUS 2360C Intro to Music Technology 3 hrs
- MUS 1010 Music Forum (eight semesters) 0 hrs
- MUL 2016 Evolution of Jazz GEP
- MUT 3170 Jazz Theory I 3 hrs
- MUT 3171 Jazz Theory II 3 hrs
- MUT 3923 Jazz Workshop (four semesters) 12 hrs
- MUS 4320 Music Business & Industry 3 hrs
- MUH 4814 Jazz Styles and Analysis 3 hrs
- MUS 3953 Recital Performance I 0 hrs
- MUS 4954 Recital Performance II 0 hrs
- MUH 3211 or MUH 3212 Music History & Literature I 3 hrs
- MUH 3212 Music History & Literature II 3 hrs

4. Specialty Requirements (Choose one): (27 hrs)

- Trumpet**
 - MVB 1411 Trumpet I (two semesters) 4 hrs
 - MVB 2421 Trumpet II (two semesters) 4 hrs
 - MVB 3431 Trumpet III (two semesters) 6 hrs
 - MVB 4441 Trumpet IV (two semesters) 8 hrs
 - Restricted Electives* 5 hrs
- Trombone**
 - MVB 1413 Trombone I (two semesters) 4 hrs
 - MVB 2423 Trombone II (two semesters) 4 hrs
 - MVB 3433 Trombone III (two semesters) 6 hrs
 - MVB 4443 Trombone IV (two semesters) 8 hrs
 - Restricted Electives* 5 hrs

UCF Degree Programs

| | | |
|----------------------|--|-------|
| Saxophone | | |
| MVV 1415 | Saxophone I (two semesters) | 4 hrs |
| MVV 2425 | Saxophone II (two semesters) | 4 hrs |
| MVV 3435 | Saxophone III (two semesters) | 6 hrs |
| MVV 4445 | Saxophone IV (two semesters) | 8 hrs |
| | Restricted Electives* | 5 hrs |
| Jazz Piano | | |
| MVJ 1010 | Jazz Piano I (two semesters) | 4 hrs |
| MVJ 2220 | Jazz Piano II (two semesters) | 4 hrs |
| MVJ 3230 | Jazz Piano III (two semesters) | 6 hrs |
| MVJ 4240 | Jazz Piano IV (two semesters) | 8 hrs |
| MVK 1211 | Secondary (classical) Piano (two semesters) | 2 hrs |
| | Restricted Electives* | 3 hrs |
| Jazz Bass | | |
| MVJ 1214 | Jazz Bass I (two semesters) | 4 hrs |
| MVJ 2224 | Jazz Bass II (two semesters) | 4 hrs |
| MVJ 3234 | Jazz Bass III (two semesters) | 6 hrs |
| MVJ 4244 | Jazz Bass IV (two semesters) | 8 hrs |
| MVS 1214 | Secondary (classical) Bass (two semesters) | 2 hrs |
| | Restricted Electives* | 3 hrs |
| Jazz Guitar | | |
| MVJ 1213 | Jazz Guitar I (two semesters) | 4 hrs |
| MVJ 2223 | Jazz Guitar II (two semesters) | 4 hrs |
| MVJ 3233 | Jazz Guitar III (two semesters) | 6 hrs |
| MVJ 4243 | Jazz Guitar IV (two semesters) | 8 hrs |
| MVS 1216 | Secondary (classical) Guitar (two semesters) | 2 hrs |
| | Restricted Electives* | 3 hrs |
| Jazz Drum Set | | |
| MVJ 1219 | Jazz Drums I (two semesters) | 4 hrs |
| MVJ 2229 | Jazz Drums II (two semesters) | 4 hrs |
| MVJ 3339 | Jazz Drums III (two semesters) | 6 hrs |
| MVJ 4349 | Jazz Drums IV (two semesters) | 8 hrs |
| MVP 1211 | Secondary Percussion | 2 hrs |
| | Restricted Electives* | 3 hrs |

*Restricted Electives

- Any secondary performance course not in area of major instrument or
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

5. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each Music course
- Computer Competency met by MUS 2360C, or departmental examination

6. Foreign Language Requirements (0-8 hrs)

Admission: 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

7. Electives (variable)

Select primarily from upper level courses. May be outside of the department.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Music Education, Music (BA), Theatre

Related Minors: Music, Theatre, Digital Media

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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$90 per term
- Part-time Student\$45 per term

Suggested Plan of Study:

Example given shows a student majoring in Jazz Studies. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Program A: Jazz Trumpet, Trombone, Saxophone

| | | | |
|--|---------------|---|---------------|
| Freshman Year | | | |
| Fall | 14 hrs | Spring | 17 hrs |
| ENC 1101 Composition I | 3 | ENC 1102 Composition II | 3 |
| MUT 1121 Music Theory and Musicianship I | 4 | MUT 1122 Music Theory and Musicianship II | 4 |
| MUN 3713 Jazz Ensemble | 1 | MUN 3713 Jazz Ensemble | 1 |
| MVX 141X Performance I | 2 | MVX 141X Performance I | 2 |
| MVK 1111 Class Piano I | 1 | MVK 1112 Class Piano II | 1 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUL 2014 Intro to Music History and Literature | 3 | MUS 2360C Intro to Music Technology | 3 |
| | | GEP E.1. Science Foundation | 3 |

Sophomore Year

| | | | |
|---|---------------|--|---------------|
| Fall | 17 hrs | Spring | 14 hrs |
| SPC 1600 Fundamentals of Oral Communication | 3 | GEP B.1. Cultural & Historical Foundation | 3 |
| MUT 2126 Music Theory and Musicianship III | 4 | MUT 2127 Music Theory and Musicianship IV | 4 |
| MUN 3713 Jazz Ensemble | 1 | MUN 3713 Jazz Ensemble | 1 |
| MVX 242X Performance II | 2 | MVX 242X Performance II | 2 |
| MVK 2121 Class Piano III | 1 | MVK 2122 Class Piano IV | 1 |
| MUT 3170 Jazz Theory I | 3 | MUT 3171 Jazz Theory II | 3 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MGF 1106 Finite Mathematics (GEP C.1.) | 3 | Professional Sequence Entrance Review | |

Junior Year

| | | | |
|---|---------------|--|---------------|
| Fall | 16 hrs | Spring | 13 hrs |
| GEP B.2. Cultural & Historical Foundation | 3 | STA 1060C Basic Statistics MS Excel (GEP C.2) | 3 |
| MUL 2016 Evolution of Jazz | 3 | GEP MUH 3211/2 Music History and Literature 1/II | 3 |
| MUT 3923 Jazz Workshop | 3 | MUT 3923 Jazz Workshop | 3 |
| MVX 343X Performance III | 3 | MVX 343X Performance III | 3 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUX 3/4XXX Restricted Electives | 3 | MUS 3953 Recital Performance I | 0 |
| MUX 3XXX Restricted Elective | 1 | MUX 3XXX Restricted Elective | 1 |

Senior Year

| | | | |
|-----------------------------------|---------------|------------------------------------|---------------|
| Fall | 16 hrs | Spring | 13 hrs |
| GEP D.1. Social Foundation | 3 | GEP D.2. Social Foundation | 3 |
| MVX 444X Performance IV | 4 | MVX 444X Performance IV | 4 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUT 3923 Jazz Workshop | 3 | MUT 3923 Jazz Workshop | 3 |
| MUH 4814 Jazz Styles and Analysis | 3 | MUS 4320 Music Business & Industry | 3 |
| GEP E.2. Science Foundation | 3 | MUS 4954 Recital Performance II | 0 |

Program B: Jazz Piano, Guitar, Bass, Drum Set

| | | | |
|--|---------------|---|---------------|
| Freshman Year | | | |
| Fall | 15 hrs | Spring | 15 hrs |
| ENC 1101 Composition I | 3 | ENC 1102 Composition II | 3 |
| MUT 1121 Music Theory and Musicianship I | 4 | MUT 1122 Music Theory and Musicianship II | 4 |
| MUN 3713 Jazz Ensemble | 1 | MUN 3713 Jazz Ensemble | 1 |
| MVX 1XXX Performance I | 2 | MVX 1XXX Performance I | 2 |
| MVX 121X Secondary Performance | 1 | MVX 121X Secondary Performance | 1 |
| MVK 1111 Class Piano I | 1 | MVK 1112 Class Piano II | 1 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUL 2014 Intro to Music History and Literature | 3 | MUS 2360C Intro to Music Technology | 3 |

Sophomore Year

| | | | |
|---|---------------|--|---------------|
| Fall | 17 hrs | Spring | 14 hrs |
| SPC 1600 Fundamentals of Oral Communication | 3 | GEP B.1. Cultural & Historical Foundation | 3 |
| MUT 2126 Music Theory and Musicianship III | 4 | MUT 2127 Music Theory and Musicianship IV | 4 |
| MUN 3713 Jazz Ensemble | 1 | MUN 3713 Jazz Ensemble | 1 |
| MVX 2XXX Performance II | 2 | MVX 2XXX Performance II | 2 |
| MVK 2121 Class Piano III | 1 | MVK 2122 Class Piano IV | 1 |
| MUT 3170 Jazz Theory I | 3 | MUT 3171 Jazz Theory II | 3 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MGF 1106 Finite Mathematics (GEP C.1.) | 3 | Professional Sequence Entrance Review | |

Junior Year

| | | | |
|---|---------------|--|---------------|
| Fall | 15 hrs | Spring | 15 hrs |
| GEP B.2. Cultural & Historical Foundation | 3 | STA 1060C Basic Statistics MS Excel (GEP C.2) | 3 |
| MUL 2016 Evolution of Jazz | 3 | GEP MUH 3211/2 Music History and Literature 1/II | 3 |
| MUT 3923 Jazz Workshop | 3 | MUT 3923 Jazz Workshop | 3 |
| MVX 3XXX Performance III | 3 | MVX 3XXX Performance III | 3 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUX 3/4XXX Restricted Electives | 3 | MUS 3953 Recital Performance I | 0 |
| | | GEP E.1. Science Foundation | 3 |

| | | | |
|-----------------------------------|---------------|------------------------------------|---------------|
| Senior Year | | | |
| Fall | 16 hrs | Spring | 13 hrs |
| GEP D.1. Social Foundation | 3 | GEP D.2. Social Foundation | 3 |
| MVX 4XXX Performance IV | 4 | MVX 4XXX Performance III | 4 |
| MUS 1010 Music Forum | 0 | MUS1010 Music Forum | 0 |
| MUT 3923 Jazz Workshop | 3 | MUT 3923 Jazz Workshop | 3 |
| MUH 4814 Jazz Styles and Analysis | 3 | MUS 4320 Music Business & Industry | 3 |
| GEP E.2. Science Foundation | 3 | MUS 4954 Recital Performance II | 0 |

MUSIC – MUSIC COMPOSITION TRACK (B.M.)

College of Arts and Humanities

Department of Music, CNH 205

<http://www.music.ucf.edu/>

E-mail: musicaud@mail.ucf.edu

Program Coordinator: J. Batzner, 407-823-2864,

E-mail: jbatzner@mail.ucf.edu; Academic Advisor: Kirk Gay,

407-823-5968; Fax 407-823-3378, E-mail: kgay@mail.ucf.edu

Audition Requirements for Admission

- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://music.ucf.edu/admissions_audition.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
- 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.

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 MUT 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 65 hours of credit must be earned in music courses
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department
- Composition students must present one faculty-approved public recital
- Students should consult with a departmental advisor for course selection
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study

1. UCF General Education Program (36 hrs)

(see General Education program for detailed information)

| | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| Select ENC 1101 and ENC 1102 | |
| Prefer SPC 1600 | |
| B. Cultural and Historical Foundations | |
| Select one course from 1.B.1 list | 3 hrs |
| Select MUH 3212 History and Literature II | 3 hrs |
| Select one course from 1.B.1 or 1.B.2 list | 3 hrs |
| C. Mathematical Foundations | |
| Prefer MGF 1106 Finite Mathematics | 3 hrs |
| (may substitute a higher level math) | |
| Prefer STA 1060C Statistics Using Excel | 3 hrs |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 6 hrs |

2. Common Program Prerequisites (32 hrs)

| | | |
|----------------------|--|-------|
| MUT 1121 | Music Theory and Musicianship I | 4 hrs |
| MUT 1122 | Music Theory and Musicianship II | 4 hrs |
| MUT 2126 | Music Theory and Musicianship III | 4 hrs |
| MUT 2127 | Music Theory and Musicianship IV | 4 hrs |
| MUN XXXX | Major Ensemble (four semesters) | 4 hrs |
| (Piano students take | MUN 3453, guitar students take MUN 3483) | |
| MVX 141X | Performance I (two semesters) | 4 hrs |
| MVX 242X | Performance II (two semesters) | 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 |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements (20 hrs)

| | | |
|----------------------|--|-------|
| MUL 2014 | Intro to Music History and Literature | 3 hrs |
| MUS 2360C | Intro to Music Technology | 3 hrs |
| MUS 1010 | Music Forum (eight semesters) | 0 hrs |
| MUT 3571 | 20th Century Musical Analysis | 3 hrs |
| MUC 1101C | Composition I | 2 hrs |
| MUC 2104C | Composition II | 2 hrs |
| MUN XXXX | Major Ensembles | 2 hrs |
| (Piano students take | MUN 3453, guitar students take MUN 3483) | |
| MUG 3104 | Basic Conducting | 2 hrs |
| MUH 3211 | Music History & Literature I | 3 hrs |
| MUH 3212 | Music History & Literature II | GEP |

4. Professional Sequence Requirements: (32 hrs)

| | | |
|---|---------------------------------|-------|
| MUC 3105C | Composition III (two semesters) | 6 hrs |
| MUC 4106C | Composition IV (two semesters) | 8 hrs |
| MUT 3401 | 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 | | 3 hrs |
| Restricted Electives* | | 9 hrs |

*Restricted Electives

- Any secondary performance course not in area of major instrument or
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

5. Special Non-Course Requirements

Major Ensemble Participation

- Selected from University Chorus, Women's Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band. Four hours of Jazz Ensemble may be used as Major Ensemble credit.
- Ensemble assignment is by the Ensemble directors.
- Students must take Major Ensemble during each semester at UCF.
- Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice

Minor Ensemble Participation

- If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters
- If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester
- Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women's Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble

6. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each Music course
- Computer Competency met by MUS 2360C, or departmental examination

7. Foreign Language Requirements (0-8 hrs)

Admission: 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 (variable)

Select primarily from upper level courses. May be outside of the department.

UCF Degree Programs

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required **120 hrs**

Related Programs: Music Education, Music (BA), Theatre

Related Minors: Music, Theatre, Digital Media

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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student \$90 per term
- Part-time Student \$45 per term

Suggested Plan of Study:

Example given shows a student majoring in Music Composition. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Freshman Year

| Fall | 14 hrs | Spring | 17 hrs |
|--|--------|---|--------|
| ENC 1101 Composition I | 3 | ENC 1102 Composition II | 3 |
| MUT 1121 Music Theory and Musicianship I | 4 | MUT 1122 Music Theory and Musicianship II | 4 |
| MUN XXXX Major Ensemble | 1 | MUN XXXX Major Ensemble | 1 |
| MXV 141X Performance I | 2 | MXV 141X Performance I | 2 |
| MVK 1111 Class Piano I | 1 | MVK 1112 Class Piano II | 1 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUL 2014 Intro to Music History and Literature | 3 | MUS 2360C Intro to Music Technology | 3 |
| | | GEP E.1. Science Foundation | 3 |

Sophomore Year

| Fall | 15 hrs | Spring | 16 hrs |
|---|--------|--|--------|
| SPC 1600 Fundamentals of Oral Communication | 3 | GEP B.1. Cultural & Historical Foundation | 3 |
| MUT 2126 Music Theory and Musicianship III | 4 | MUT 2127 Music Theory and Musicianship IV | 4 |
| MUN XXXX Major Ensemble | 1 | MUN XXXX Major Ensemble | 1 |
| MXV 242X Performance II | 2 | MXV 242X Performance II | 2 |
| MVK 2121 Class Piano III | 1 | MVK 2122 Class Piano IV | 1 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUC 1101C Composition I | 2 | MUC 2104C Composition II | 2 |
| MUG 3104 Basic Conducting | 2 | MGF 1106 Finite Mathematics (GEP C.1.) | 3 |
| | | Professional Sequence Entrance Review | |

Junior Year

| Fall | 16 hrs | Spring | 16 hrs |
|---|--------|---|--------|
| GEP B.2. Cultural & Historical Foundation | 3 | STA 1060C Basic Statistics MS Excel (GEP C.2) | 3 |
| MUH 3211 Music History and Literature I | 3 | MUH 3212 Music History and Literature II | 3 |
| MUT 3571 20th Century Musical Analysis | 3 | MUT 4311 Orchestration | 3 |
| MUC 3105C Composition III | 3 | MUC 3105C Composition III | 3 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUX 3/4XXX Restricted Electives | 3 | MUN XXXX Major Ensemble | 1 |
| MUN XXXX Major Ensemble | 1 | MUH 4XXX Restricted Elective | 3 |

Senior Year

| Fall | 13 hrs | Spring | 13 hrs |
|---------------------------------|--------|---------------------------------|--------|
| GEP D.1. Social Foundation | 3 | GEP D.2. Social Foundation | 3 |
| MUC 4106C Composition IV | 4 | MUC 4106C Composition IV | 4 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUX 3/4XXX Restricted Electives | 3 | MUC 4950 Composition Recital | 0 |
| GEP E.2. Science Foundation | 3 | MUX 3/4XXX Restricted Electives | 3 |
| | | MUT 3401 Counterpoint | 3 |

MUSIC – MUSIC PERFORMANCE TRACK (B.M.)

College of Arts and Humanities

Department of Music, CNH 205

<http://www.music.ucf.edu/>

E-mail: musicaud@mail.ucf.edu

Academic Advisor: Kirk Gay, 407-823-5968; Fax 407-823-3378,

E-mail: kgay@mail.ucf.edu

Audition Requirements for Admission

- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://music.ucf.edu/admissions_audition.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review

During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include the following:

- An evaluation of performance skills
- Completion of Performance I and II
- Completion of MUS 2360C
- Completion of MUT 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 Performance level III.

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 (36 hrs)

(see General Education program for detailed information)

| | |
|---|-------|
| A. Communication Foundations | 9 hrs |
| Select ENC 1101 and ENC 1102 | |
| Prefer SPC 1600 | |
| B. Cultural and Historical Foundations | |
| Select one course from 1.B.1 list | 3 hrs |
| Select MUH 3212 History and Literature II | 3 hrs |
| Select one course from 1.B.1 or 1.B.2 list | 3 hrs |
| C. Mathematical Foundations | |
| Prefer MGF 1106 Finite Mathematics (may substitute a higher level math) | 3 hrs |
| Prefer STA 1060C Statistics Using Excel | |
| D. Social Foundations | 3 hrs |
| E. Science Foundations | 6 hrs |
| | 6 hrs |

2. Common Program Prerequisites (32 hrs)

| | | |
|----------------------|--|-------|
| MUT 1121 | Music Theory and Musicianship I | 4 hrs |
| MUT 1122 | Music Theory and Musicianship II | 4 hrs |
| MUT 2126 | Music Theory and Musicianship III | 4 hrs |
| MUT 2127 | Music Theory and Musicianship IV | 4 hrs |
| MUN XXXX | Major Ensemble (four semesters) | 4 hrs |
| (Piano students take | MUN 3453, guitar students take MUN 3483) | |
| MXV 141X | Performance I (two semesters) | 4 hrs |
| MXV 242X | Performance II (two semesters) | 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 |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements (30 hrs)

| | | |
|---|---------------------------------------|-------|
| MUL 2014 | Intro to Music History and Literature | 3 hrs |
| MUS 2360C | Intro to Music Technology | 3 hrs |
| MUS 1010 | Music Forum (eight semesters) | 0 hrs |
| MUT 3571 | 20th Century Musical Analysis | 3 hrs |
| MXV 343X | Performance III (two semesters) | 6 hrs |
| MXV 444X | Performance IV (two semesters) | 8 hrs |
| MUS 3953 | Recital Performance I | 0 hrs |
| MUS 4954 | Recital Performance II | 0 hrs |
| MUN XXXX | Major Ensembles | 2 hrs |
| (Piano students take MUN 3453, guitar students take MUN 3483) | | |
| MUG 3104 | Basic Conducting | 2 hrs |
| MUH 3211 | Music History & Literature I | 3 hrs |
| MUH 3212 | Music History & Literature II | GEP |

4. Specialty Requirements (Choose One:) (22 hrs)

| | | |
|--|----------------------------------|--------|
| Piano | | |
| MUL 3400 | Piano Literature I | 2 hrs |
| MUL 3401 | Piano Literature II | 2 hrs |
| MVK 4640 | Piano Pedagogy I | 2 hrs |
| MUN 3453 | Piano Ensemble | 2 hrs |
| Restricted Electives* | | 9 hrs |
| Electives | | 5 hrs |
| Guitar | | |
| MUL 4437 | String Literature and Pedagogy | 3 hrs |
| MUN 3XXX | Guitar Ensemble | 2 hrs |
| Restricted Electives* | | 12 hrs |
| Electives | | 5 hrs |
| Voice | | |
| MUS 1250 | IPA for Singers | 1 hrs |
| MUS 3255 | German and English Lyric Diction | 2 hrs |
| MUS 3254 | Italian and French Lyric Diction | 2 hrs |
| MVV 4640 | Voice Pedagogy I | 2 hrs |
| MUL 3602 | Song Literature | 3 hrs |
| MUN XXXX | Major Ensembles | 2 hrs |
| MUN XXXX | Minor Ensembles | 2 hrs |
| Restricted Electives* | | 0 hrs |
| Foreign Language FRE 1120C and FRE 1121C, or GER 1120C (or GER 1120H) and GER 1121, or ITA 1120 and ITA 1121 | | 8 hrs |
| Woodwinds | | |
| MUN XXXX | Major Ensemble | 2 hrs |
| MUN XXXX | Minor Ensemble | 4 hrs |
| MUL 4444 | Woodwind Literature and Pedagogy | 3 hrs |
| Restricted Electives* | | 8 hrs |
| Electives | | 5 hrs |
| Brass | | |
| MUN XXXX | Major Ensemble | 2 hrs |
| MUN XXXX | Minor Ensemble | 4 hrs |
| MUL 4443 | Brass Literature and Pedagogy | 3 hrs |
| Restricted Electives* | | 8 hrs |
| Electives | | 5 hrs |
| Percussion | | |
| MUN XXXX | Major Ensemble | 2 hrs |
| MUN XXXX | Minor Ensemble | 4 hrs |
| MUL 3463 | Percussion Literature | 2 hrs |
| MVP 3630 | Percussion Pedagogy | 2 hrs |
| Restricted Electives* | | 7 hrs |
| Electives | | 5 hrs |
| Strings | | |
| MUN XXXX | Major Ensemble | 2 hrs |
| MUN XXXX | Minor Ensemble | 4 hrs |
| MUL 4437 | String Literature and Pedagogy | 3 hrs |
| Restricted Electives* | | 8 hrs |
| Electives | | 5 hrs |

***Restricted Electives 0–12 hrs**

- Any secondary performance course not in area of major instrument or
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

5. Special Non-Course Requirements

Major Ensemble Participation

- Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band. Four hours of Jazz Ensemble may be used as Major Ensemble credit.
- Ensemble assignment is by the Ensemble directors.
- Students must take Major Ensemble during each semester at UCF.
- Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice

Minor Ensemble Participation

- If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters
- If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester
- Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble

6. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each Music course
- Computer Competency met by MUS 2360C, or departmental examination

7. Foreign Language Requirements (0-8 hrs)

Admission: 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 (variable)

Select primarily from upper level courses. May be outside of the department.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Music Education, Music (BA), Theatre

Related Minors: Music, Theatre, Digital Media

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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeads.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$90 per term
- Part-time Student\$45 per term

Suggested Plan of Study:

Example given shows a student majoring in Performance. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Program A: Strings, Woodwinds, Brass

| | | | |
|--|---------------|---|---------------|
| Freshman Year | | | |
| Fall | 14 hrs | Spring | 17 hrs |
| ENC 1101 Composition I (GEP A.1.) | 3 | ENC 1102 Composition II (GEP A.2.) | 3 |
| MUT 1121 Music Theory and Musicianship I | 4 | MUT 1122 Music Theory and Musicianship II | 4 |
| MUN XXXX Major Ensemble | 1 | MUN XXXX Major Ensemble | 1 |
| MXV 141X Performance I | 2 | MXV 141X Performance I | 2 |
| MVK 1111 Class Piano I | 1 | MVK 1112 Class Piano II | 1 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUL 2014 Intro to Music History and Literature | 3 | MUS 2360C Intro to Music Technology | 3 |
| | | GEP E.1. Science Foundation | 3 |

| | | | |
|--|---------------|---|---------------|
| Sophomore Year | | | |
| Fall | 17 hrs | Spring | 15 hrs |
| SPC 1600 Fundamentals Oral Comm (GEP A.3.) | 3 | GEP B.1. Cultural & Historical Foundation | 3 |
| MUT 2126 Music Theory and Musicianship III | 4 | MUT 2127 Music Theory and Musicianship IV | 4 |
| MUN XXXX Major Ensemble | 1 | MUN XXXX Major Ensemble | 1 |
| MUN XXXX Minor Ensemble | 1 | MUN XXXX Minor Ensemble | 1 |
| MXV 242X Performance II | 2 | MXV 242X Performance II | 2 |
| MVK 2121 Class Piano III | 1 | MVK 2122 Class Piano IV | 1 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUG 3104 Basic Conducting | 2 | MGF 1106 Finite Mathematics (GEP C.1.) | 3 |
| STA 1060C Basic Statistics MS Excel (GEP C.2.) | 3 | Professional Sequence Entrance Review | |

UCF Degree Programs

Junior Year

| Fall | 17 hrs | Spring | 14 hrs |
|---|--------|--|--------|
| GEP B.2. Cultural & Historical Foundation | 3 | MUX 3/4XXX Restricted Electives | 3 |
| MUH 3211 Music History and Literature I | 3 | MUH 3212 Music History and Literature II | GEP |
| MUT 3571 20th Century Musical Analysis | 3 | MUL 44XX Literature and Pedagogy | 3 |
| MXV 343X Performance III | 3 | MXV 343X Performance III | 3 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUX 3/4XXX Restricted Electives | 3 | MUN XXXX Major Ensemble | 1 |
| MUN XXXX Minor Ensemble | 1 | MUN XXXX Minor Ensemble | 1 |
| MUN XXXX Major Ensemble | 1 | MUS 3953 Recital Performance I | 0 |

Senior Year

| Fall | 14 hrs | Spring | 12 hrs |
|------------------------------|--------|---------------------------------|--------|
| GEP D.1. Social Foundation | 3 | GEP D.2. Social Foundation | 3 |
| MXV 444X Performance IV | 4 | MXV 444X Performance IV | 4 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| GEP E.2. Science Foundation | 3 | MUS 4954 Recital Performance II | 0 |
| MUN XXXX Major Ensemble | 1 | MUN XXXX Major Ensemble | 1 |
| MUN 3XXX Restricted Elective | 1 | MUN 3XXX Restricted Elective | 1 |
| Free Elective | 2 | Free Elective | 3 |

Program B: Percussion

Freshman Year

| Fall | 14 hrs | Spring | 17 hrs |
|--|--------|---|--------|
| ENC 1101 Composition I (GEP A.1.) | 3 | ENC 1102 Composition II (GEP A.2.) | 3 |
| MUT 1121 Music Theory and Musicianship I | 4 | MUT 1122 Music Theory and Musicianship II | 4 |
| MUN XXXX Major Ensemble | 1 | MUN XXXX Major Ensemble | 1 |
| MVP 1141 Percussion I | 2 | MVP 1141 Percussion I | 2 |
| MVK 1111 Class Piano I | 1 | MVK 1112 Class Piano II | 1 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUL 2014 Intro to Music History and Literature | 3 | MUS 2360C Intro to Music Technology | 3 |
| | | GEP E.1. Science Foundation | 3 |

Sophomore Year

| Fall | 17 hrs | Spring | 15 hrs |
|---|--------|---|--------|
| SPC 1600 Fundamentals Oral Comm (GEP A.3) | 3 | GEP B.1. Cultural & Historical Foundation | 3 |
| MUT 2126 Music Theory and Musicianship III | 4 | MUT 2127 Music Theory and Musicianship IV | 4 |
| MUN XXXX Major Ensemble | 1 | MUN XXXX Major Ensemble | 1 |
| MUN 3443 Percussion Ensemble | 1 | MUN 3443 Percussion Ensemble | 1 |
| MVP 2421 Percussion II | 2 | MVP 2421 Percussion II | 2 |
| MVK 2121 Class Piano III | 1 | MVK 2122 Class Piano IV | 1 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUG 3104 Basic Conducting | 2 | MGF 1106 Finite Mathematics (GEP C.1) | 3 |
| STA 1060C Basic Statistics MS Excel (GEP C.2) | 3 | Professional Sequence Entrance Review | |

Junior Year

| Fall | 17 hrs | Spring | 13 hrs |
|---|--------|--|--------|
| GEP B.2. Cultural & Historical Foundation | 3 | MUX 3/4XXX Restricted Electives | 3 |
| MUH 3211 Music History and Literature I | 3 | MUH 3212 Music History and Literature II | GEP |
| MUT 3571 20th Century Musical Analysis | 3 | MUL 3463 Percussion Literature | 2 |
| MVP 3431 Percussion III | 3 | MVP 3431 Percussion III | 3 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUX 3/4XXX Restricted Electives | 3 | MUN XXXX Major Ensemble | 1 |
| MUN 3443 Percussion Ensemble | 1 | MUN 3443 Percussion Ensemble | 1 |
| MUN XXXX Major Ensemble | 1 | MUS 3953 Recital Performance I | 0 |

Senior Year

| Fall | 15 hrs | Spring | 12 hrs |
|------------------------------|--------|---------------------------------|--------|
| GEP D.1. Social Foundation | 3 | GEP D.2. Social Foundation | 3 |
| MVP 4441 Percussion IV | 4 | MVP 4441 Percussions IV | 4 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| GEP E.2. Science Foundation | 3 | MUS 4954 Recital Performance II | 0 |
| MUN XXXX Major Ensemble | 1 | MUN XXXX Major Ensemble | 1 |
| MVP 3630 Percussion Pedagogy | 2 | MUN 3XXX Restricted Elective | 1 |
| Free Elective | 2 | Free Elective | 3 |

Program C: Piano

Freshman Year

| Fall | 14 hrs | Spring | 17 hrs |
|--|--------|---|--------|
| ENC 1101 Composition I (GEP A.1.) | 3 | ENC 1102 Composition II (GEP A.2.) | 3 |
| MUT 1121 Music Theory and Musicianship I | 4 | MUT 1122 Music Theory and Musicianship II | 4 |
| MUN 3453 Piano Ensemble | 1 | MUN 3453 Piano Ensemble | 1 |
| MVP 1141 Piano I | 2 | MVP 1141 Piano I | 2 |
| MVK 1111 Class Piano I | 1 | MVK 1112 Class Piano II | 1 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUL 2014 Intro to Music History and Literature | 3 | MUS 2360C Intro to Music Technology | 3 |
| | | GEP E.1. Science Foundation | 3 |

Sophomore Year

| Fall | 16 hrs | Spring | 14 hrs |
|--|--------|---|--------|
| SPC 1600 Fundamentals Oral Comm (GEP A.3) | 3 | GEP B.1. Cultural & Historical Foundation | 3 |
| MUT 2126 Music Theory and Musicianship III | 4 | MUT 2127 Music Theory and Musicianship IV | 4 |
| MUN 3453 Piano Ensemble | 1 | MUN 3453 Piano Ensemble | 1 |
| MVP 2421 Piano II | 2 | MVP 2421 Piano II | 2 |

| | | | |
|---|---|---------------------------------------|---|
| MVK 2121 Class Piano III | 1 | MVK 2122 Class Piano IV | 1 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUG 3104 Basic Conducting | 2 | MGF 1106 Finite Mathematics (GEP C.1) | 3 |
| STA 1060C Basic Statistics MS Excel (GEP C.2) | 3 | Professional Sequence Entrance Review | |

Junior Year

| Fall | 15 hrs | Spring | 15 hrs |
|---|--------|--|--------|
| GEP B.2. Cultural & Historical Foundation | 3 | MUX 3/4XXX Restricted Electives | 3 |
| MUH 3211 Music History and Literature I | 3 | MUH 3212 Music History and Literature II | GEP |
| MUL 3400 Piano Literature I | 2 | MUL 3401 Piano Literature II | 2 |
| MUT 3571 20th Century Musical Analysis | 3 | MUX 3/4XXX Restricted Electives | 3 |
| MVP 3431 Piano III | 3 | MVP 3431 Piano III | 3 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUN 3453 Piano Ensemble | 1 | MUN 3453 Piano Ensemble | 1 |
| | | MUS 3953 Recital Performance I | 0 |

Senior Year

| Fall | 15 hrs | Spring | 14 hrs |
|-----------------------------|--------|---------------------------------|--------|
| GEP D.1. Social Foundation | 3 | GEP D.2. Social Foundation | 3 |
| MVP 4441 Piano IV | 4 | MVP 4441 Piano IV | 4 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| GEP E.2. Science Foundation | 3 | MUS 4954 Recital Performance II | 0 |
| MUN 3453 Piano Ensemble | 1 | MUN 3453 Piano Ensemble | 1 |
| MVK 4640 Piano Pedagogy I | 2 | MUX 3/4XXX Restricted Electives | 3 |
| Free Elective | 2 | Free Elective | 3 |

Program D: Guitar

Freshman Year

| Fall | 14 hrs | Spring | 17 hrs |
|--|--------|---|--------|
| ENC 1101 Composition I (GEP A.1.) | 3 | ENC 1102 Composition II (GEP A.2.) | 3 |
| MUT 1121 Music Theory and Musicianship I | 4 | MUT 1122 Music Theory and Musicianship II | 4 |
| MUN 3487 Guitar Ensemble | 1 | MUN 3487 Guitar Ensemble | 1 |
| MVS 1416 Guitar I | 2 | MVS 1416 Guitar I | 2 |
| MVK 1111 Class Piano I | 1 | MVK 1112 Class Piano II | 1 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUL 2014 Intro to Music History and Literature | 3 | MUS 2360C Intro to Music Technology | 3 |
| | | GEP E.1. Science Foundation | 3 |

Sophomore Year

| Fall | 16 hrs | Spring | 14 hrs |
|---|--------|---|--------|
| SPC 1600 Fundamentals Oral Comm (GEP A.3) | 3 | GEP B.1. Cultural & Historical Foundation | 3 |
| MUT 2126 Music Theory and Musicianship III | 4 | MUT 2127 Music Theory and Musicianship IV | 4 |
| MUN 3487 Guitar Ensemble | 1 | MUN 3487 Guitar Ensemble | 1 |
| MVS 2426 Guitar II | 2 | MVS 2426 Guitar II | 2 |
| MVK 2121 Class Piano III | 1 | MVK 2122 Class Piano IV | 1 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUG 3104 Basic Conducting | 2 | MGF 1106 Finite Mathematics (GEP C.1) | 3 |
| STA 1060C Basic Statistics MS Excel (GEP C.2) | 3 | Professional Sequence Entrance Review | |

Junior Year

| Fall | 16 hrs | Spring | 13 hrs |
|---|--------|--|--------|
| GEP B.2. Cultural & Historical Foundation | 3 | MUX 3/4XXX Restricted Electives | 3 |
| MUH 3211 Music History and Literature I | 3 | MUH 3212 Music History and Literature II | GEP |
| MUX 3/4XXX Restricted Electives | 3 | MUL 4437 String Literature and Pedagogy | 3 |
| MUT 3571 20th Century Musical Analysis | 3 | MVS 3436 Guitar III | 3 |
| MVS 3436 Guitar III | 3 | MUN 3487 Guitar Ensemble | 1 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUN 3487 Guitar Ensemble | 1 | MUS 3953 Recital Performance I | 0 |

Senior Year

| Fall | 16 hrs | Spring | 14 hrs |
|---------------------------------|--------|---------------------------------|--------|
| GEP D.1. Social Foundation | 3 | GEP D.2. Social Foundation | 3 |
| MVS 4446 Guitar IV | 4 | MVS 4446 Guitar IV | 4 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| GEP E.2. Science Foundation | 3 | MUS 4954 Recital Performance II | 0 |
| MUN 3487 Guitar Ensemble | 1 | MUN 3487 Guitar Ensemble | 1 |
| MUX 3/4XXX Restricted Electives | 3 | MUX 3/4XXX Restricted Electives | 3 |
| Free Elective | 2 | Free Elective | 3 |

Program E: Voice

Freshman Year

| Fall | 15 hrs | Spring | 16 hrs |
|--|--------|---|--------|
| ENC 1101 Composition I (GEP A.1.) | 3 | ENC 1102 Composition II (GEP A.2.) | 3 |
| MUT 1121 Music Theory and Musicianship I | 4 | MUT 1122 Music Theory and Musicianship II | 4 |
| MUN XXXX Major Ensemble | 1 | MUN XXXX Major Ensemble | 1 |
| MVP 1141 Voice I | 2 | MVP 1141 Voice I | 2 |
| MUS 1250 IPA for Singers | 1 | MUS 3255 German and English Lyric Diction | 2 |
| MVK 1111 Class Piano I | 1 | MVK 1112 Class Piano II | 1 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUL 2014 Intro to Music History and Literature | 3 | MUS 2360C Intro to Music Technology | 3 |

Sophomore Year

| | | | |
|--|---------------|--|---------------|
| Fall | 15 hrs | Spring | 17 hrs |
| MGF 1106 Finite Mathematics (GEP C.1.) | 3 | GEP B.1. Cultural & Historical Foundation | 3 |
| MUT 2126 Music Theory and Musicianship III | 4 | MUT 2127 Music Theory and Musicianship IV | 4 |
| MUN XXXX Major Ensemble | 1 | MUN XXXX Major Ensemble | 1 |
| MVP 2421 Voice II | 2 | MVP 2421 Voice II | 2 |
| MUS 3254 Italian and French Lyric Diction | 2 | SPC 1600 Fundamentals of Oral Comm (GEP A3) | 3 |
| MVK 2121 Class Piano III | 1 | MVK 2122 Class Piano IV | 1 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| MUG 3104 Basic Conducting | 2 | STA 1060C Basic Statistics MS Excel (GEP C2) | 3 |
| | | Professional Sequence Entrance Review | |

Junior Year

| | | | |
|---|---------------|---|---------------|
| Fall | 15 hrs | Spring | 15 hrs |
| MUH 3211 Music History and Literature I | 3 | MUH 3212 Music History and Literature II | 3 |
| MUT 3571 20th Century Musical Analysis | 3 | GEP B.2. Cultural & Historical Foundation | 3 |
| MVP 3431 Voice III | 3 | MVP 3431 Voice III | 3 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| XXX 1120 Foreign Language | 4 | XXX 1121 Foreign Language | 4 |
| MUN XXXX Major Ensemble | 1 | MUN XXXX Major Ensemble | 1 |
| MUN XXXX Minor Ensemble | 1 | MUN XXXX Minor Ensemble | 1 |
| | | MUS 3953 Recital Performance I | 0 |

Senior Year

| | | | |
|-----------------------------|---------------|---------------------------------|---------------|
| Fall | 13 hrs | Spring | 14 hrs |
| GEP D.1. Social Foundation | 3 | GEP D.2. Social Foundation | 3 |
| MVP 4441 Voice IV | 4 | MVP 4441 Voice IV | 4 |
| MVV 4640 Voice Pedagogy I | 2 | MUL 3602 Song Literature | 3 |
| MUS 1010 Music Forum | 0 | MUS 1010 Music Forum | 0 |
| GEP E.1. Science Foundation | 3 | GEP E.2. Science Foundation | 3 |
| MUN XXXX Major Ensemble | 1 | MUN XXXX Major Ensemble | 1 |
| | | MUS 4954 Recital Performance II | 0 |

NURSING (B.S.N.)

A. BASIC PROGRAM

(For individuals who are not Registered Nurses)

College of Nursing

HPA 220, 407-823-2744

<http://www.nursing.ucf.edu>

E-mail: ucfnurse@mail.ucf.edu

Dean: Jean Leuner; Associate Dean Undergraduate: Linda Hennig;
Undergraduate Coordinator: Patricia Leli

Admission Requirements

Limited Access

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 prior to February 1 of the year admission is sought for the Orlando Campus and June 1 the prior year for January admission on the Brevard and Daytona Campus (see information on Accelerated Second Degree program for deadline).
- Application for admission to the University must also be submitted by the program deadline.
- Student must complete all general education, foreign language, and program prerequisite requirements prior to the start of the program. Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- Three prerequisite biological science courses must be completed by the program application deadline. Five of the nine program prerequisites must be completed by the program application deadline.
- 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 nursing office for an appointment with a basic faculty advisor.
- All applicants must have a minimum overall GPA of 3.0, and complete all program prerequisite courses with a grade of "C" (2.0) or better.
- Early acceptance may be offered to First-Time-in-College (FTIC) students during their sophomore year and to students in the Military Enlisted Commissioning Program (MECP). For specific information about early acceptance, contact the College of Nursing.

Graduates are eligible to apply to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education and approved by the Florida State Board of Nursing.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- 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
- Students should consult with a College of Nursing advisor for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College or other universities, and should be completed in the first 60 hours
- 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
- 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. UCF General Education Program

(36+1 hrs)

- A. Communication Foundations (SPC 1600 preferred) 9 hrs
- B. Cultural Historical Foundations 9 hrs
- C. Mathematical Foundations 6 hrs
 - MAC 1105
 - Select STA 2014C
- D. Social Foundations 6 hrs
 - Select both SYG 2000 and PSY 2012*
 - Select ECO 2013 *or* ECO 2023 *or* POS 2041
- E. Science Foundations:** 7 hrs
 - Select BSC 2010C
 - Select CHM 1032 (and lab)

*One of these courses is required to meet General Education requirements, but both are required program prerequisites.

**Science Foundation is 6 credit hours for General Education Program. However the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

2. Common Program Prerequisites

(21 hrs)

- PSY 2012 General Psychology** GEP
- SYG 2000 Sociology** 3 hrs
- MCB 2004C Health Microbiology (S****) 4 hrs
- CHM 1032/L General Chemistry and lab** (S****) GEP
- ZOO 3733C Human Anatomy* (S****) 4 hrs
- PCB 3703C Human Physiology* (S****) 4 hrs
- STA 2014C *or* 2023 Principles of Statistics** GEP
- SOW 3104 Assessing Human Development 3 hrs
- or* DEP 2004 Developmental Psychology
- HUN 3011 Human Nutrition 3 hrs

*May take Anatomy and Physiology sequence of six-eight total credits.

**Also meets General Education Requirements. The first semester of a two semester general chemistry course does not meet requirement (ie CHM 1045, 2045, Chemistry I).

*** "S" indicates biological science prerequisite.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements

(65 hrs)

- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assess Lab 1 hr
- NUR 3825 Role of 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 Nurses 3 hrs
- NUR 3145 Pharmacology for Nurses 3 hrs
- NUR 3225 Nursing Care of the Adult I 3 hrs
- NUR 3225L Nursing Care of the Adult I Clinical 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 XXXX Nursing Elective 3 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
- NUR 4227 Nursing Care of the Adult II 4 hrs

UCF Degree Programs

| | | |
|---------------|--|-------|
| NUR 4227L | Nursing Care of the Adult II Clinical | 3 hrs |
| NUR 4932 ST: | Psychiatric Mental Health Nursing | 3 hrs |
| NUR 4932L ST: | Psychiatric Mental Health Nursing Clinical | 2 hrs |
| NUR 4932 ST: | Leadership, Management and Role Transition | 3 hrs |
| NUR 4257 | Introduction to Critical Care Nursing | 3 hrs |
| NUR 4932 ST: | Public Health Nursing | 2 hrs |
| NUR 4932L | Public Health Nursing Clinical | 1 hr |
| NUR 4945L | Nursing Practicum | 4 hrs |

Any variation from the above must be approved by the College of Nursing.

4. Upper Division Restricted Electives (3 hrs)

Nursing Elective:

Any College of Nursing Elective approved by advisor

5. Departmental Continuation and 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

6. Electives none

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 122 hrs

Related Programs: Health Services Administration, Social Work, all health programs

Related Minors: Aging Studies Certificate, Psychology, Health Sciences, Health Services Administration

Transfer Notes:

Examples of Community College Equivalent Courses -

Prerequisites

| | |
|---|-----|
| General Psychology (PSY X012) or any General Psychology course | 3 |
| General Sociology (SYG 2000) or any Intro to Sociology course | 3 |
| Statistics (STA 2014C or 2023) or any Statistics course | 3 |
| General Chemistry (CHM 1032 or any other comprehensive chemistry course w/lab*) | 4 |
| Human Anatomy and Physiology I & II w/lab (BSC 2093/2094) or (BSC X085/X086) | 6-8 |
| General Microbiology (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab | 4 |
| Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span course | 3 |
| Human Nutrition with therapeutic nutrition focus | 3 |

*The first semester of a two semester general chemistry course does not meet requirement (ie CHM 1045, 2045, Chemistry I).

Note: A grade of "C" (2.0) or better is required in all prerequisite courses.

Honors

Honors Option Requires:

- Completion of a three credit directed readings course
- Completion of a three credit thesis course
- Open to students with a minimum 3.5 GPA in Nursing
- Minimum cumulative UCF 3.2 GPA
- Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF

Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$50 per term
- Part-time Student\$25 per term

Freshman Year

| | | | |
|-------------|---------------|-----------------------|---------------|
| Fall | 16 hrs | Spring | 14 hrs |
| SYG 2000 | 3 | CHM 1032/L | 3/1 |
| ENC 1101 | 3 | ENC 1102 | 3 |
| MAC 1105 | 3 | STA 2014C or STA 2023 | 3 |
| BSC 2010C | 4 | ZOO 3733C | 4 |
| PSY 2012 | 3 | | |

Sophomore Year

| | | | |
|-------------------------|---------------|------------------------------|---------------|
| Fall | 16 hrs | Spring | 13 hrs |
| POS 2041 or | 3 | EUH 2001 or | 3 |
| ECO 2013 or ECO 2023 | | HUM 2230 or | |
| EUH 2000 or | 3 | or AMH 2020 or WOH 2022 | |
| HUM 2210 | | | |
| or AMH 2010 or WOH 2012 | | MCB 2004C | 4 |
| PCB 3703C | 4 | *SPC 1600 | 3 |
| SOW 3104 or | 3 | (One Course:) | 3 |
| DEP 2004 | | ARH 2050, ARH 2051, MUL | |
| HUN 3011 | 3 | 2010, THE 2000, REL 2300, | |
| | | PHI 2010, LIT 2110, LIT 2120 | |

Junior Year

| | | | |
|----------------------------|----------------|---------------|---------------|
| Fall | 15 hrs | Spring | 16 hrs |
| NUR 3825 | 2 | NUR 3125 | 3 |
| NUR 3065 | 2 | NUR 3145 | 3 |
| NUR 3065L | 1 | NUR 3225 | 3 |
| NUR 3028 | 2 | NUR 3225L | 2 |
| NUR 3755L | 2 | NUR 3445 | 3 |
| NUR 3028L | 1 | NUR 3445L | 2 |
| NUR 3634 | 3 | | |
| NUR 3634L | 2 | | |
| Summer C/D | 6-9 hrs | | |
| NUR 3165 | 3 | | |
| NUR XXXX (elective) and/or | 3 | | |
| NUR 4837 | 3 | | |

Senior Year

| | | | |
|--|------------------|-------------------|------------------|
| Fall | 12-17 hrs | Spring | 13-16 hrs |
| NUR 4932 ST | 4 | NUR 4932 ST | 2 |
| NUR 4932L ST | 3 | NUR 4932L ST | 1 |
| NUR 4932 ST | 3 | NUR 4932 ST | 3 |
| NUR 4932L ST | 2 | NUR 4257 | 3 |
| NUR 4837 or | 3 | NUR 4945L | 4 |
| NUR XXXX Elective (if not already taken) | 3 | NUR XXXX Elective | 3 |

NURSING (B.S.N.)

B. RN TO BSN PROGRAM

(Completion program for individuals who are licensed RNs)

College of Nursing

HPA 220, 407-823-2744

<http://www.nursing.ucf.edu>

E-mail: ucfnurse@mail.ucf.edu

RN to BSN Coordinator: Barbara Lange

This program is available online. Students must complete all University-wide graduation requirements (general education, foreign language, CLAST, Gordon Rule, etc.). Courses are available online and some courses are offered face to face as well. For more information, see <http://distrib.ucf.edu/home>.

Admission Requirements

Limited Access

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 College, or eligible for the Statewide Articulated AS-BSN Program (see AS to BS)
- Completion of all sections of CLAST (or Exempt)
- A minimum overall GPA of 2.5
- Completion of program prerequisite courses with at least a grade of "C" (2.0) or better

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students should consult with a college advisor or community college AA transfer advisor regarding completion of General Education Program requirements
- Students should consult with a College of Nursing advisor for clarification or questions regarding prerequisite requirements
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College or other university
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the Nursing major are required for continuation in and graduation from the Nursing Program
- UCF Residency Requirement: 30 hours
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours

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

- A. Communication Foundations 9 hrs
- B. Cultural Historical Foundations 9 hrs
- C. Mathematical Foundations 6 hrs
 - MAC 1105
 - 1. Select MAC 1105
 - 2. Select STA 2014C *or* STA 2023
- D. Social Foundations 6 hrs
 - Select SYG 2000 *or* PSY 2012*
 - Select one: ECO 2013 *or* ECO 2023 *or* POS 2041
- E. Science Foundations:** 7 hrs
 - Select BSC 2010C (4)
 - Select CHM 1032 (3)

*One of these courses is required to meet General Education requirements, but both are required program prerequisites.

**Science Foundation is 6 credit hours for General Education Program. However the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

2. Common Program Prerequisites (21 hrs)

- PSY 2012 General Psychology** 9 hrs
- SYG 2000 Sociology** 3 hrs
- MCB 2004C Health Microbiology 4 hrs
- CHM 1032 General Chemistry** 9 hrs
- CHM 1032L General Chemistry Lab 9 hrs
- ZOO 3733C Human Anatomy* 4 hrs
- PCB 3703C Human Physiology 4 hrs
- STA 2014C *or* 2023 Principles of Statistics** 9 hrs
- SOW3104 Assessing Human Development 3 hrs
- or* DEP 2004 Developmental Psychology
- HUN 3011 Human Nutrition 3 hrs

*May take Anatomy and Physiology sequence of six-eight total credits.

**Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements (24 hrs)

- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs
- NUR 4827 Leadership, Management and Role Transition 3 hrs
- NUR 4837 Health Care Issues, Policy, & Econ 3 hrs
- NUR 4XXX Public Health Nursing 2 hrs
- NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs

Upper Division Credit* 27 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 hrs
- NUR 3225 Nursing Care of the Adult I 3 hrs
- NUR 3225L Nursing Care of the Adult I Clinical 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 3 hrs
- NUR 4XXX Psychiatric Mental Health Nursing 3 hrs
- NUR 4XXX L Psychiatric Mental Health Nursing Clinical 2 hrs

*May be met by Validation

4. Upper Division Restricted Elective (6 hrs)

- NUR 4XXX Any two upper division Nursing Electives 6 hrs

5. 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

6. Electives variable to meet degree requirements

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Health Services Administration, Social Work, All health programs

Related Minors: Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student \$50 per term
- Part-time Student \$25 per term

Sample Plan of Study

| Semester I | Semester II | |
|------------|-----------------------------|---|
| NUR3805 | 3 NUR 3165 | 3 |
| NUR 3065 | 2 NUR 3634 Community Health | 3 |
| NUR 3065L | 1 | |

Semester III

| | |
|---------------------|---|
| NUR 4837 | 3 |
| NUR XXXX (elective) | 3 |

Semester IV

| | | | |
|---------------------|---|------------------------|---|
| NUR 4xxx Leadership | 3 | NUR 4xxx Public Health | 2 |
| NUR 4xxx elective | 3 | NUR 4604L Practicum | 4 |

*Elective may be taken at any point.

Progression requirements:

Prior to NUR 3805: RN status or eligible to take NCLEX.

Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of "C" (2.0) or better.

Prior to NUR 3634 Community Health Nursing

- Admission to the nursing program
- Complete general education requirements and prerequisites or AA from a Florida public community college or state university system (SUS)
- Complete CLAST (or exempt)
- Complete Foreign language admission requirement

Other

Selected courses may be offered at regional campuses of Daytona, Cocoa, Leesburg, and Ocala.

The RN-BSN coursework is offered via the Internet. Some on-campus labs and clinical practica may be required. For further information access <http://www.nursing.ucf.edu>.

UCF Degree Programs

NURSING ACCELERATED SECOND DEGREE C. BACHELOR OF SCIENCE IN NURSING (B.S.N.) OPTION

Note: For detailed information about this program, see the description in the "Accelerated Undergraduate-Graduate Programs" section.

NURSING (B.S.N.) D. RN TO MSN OPTION

Note: For detailed information about this program, see the description in the "Accelerated Undergraduate-Graduate Programs" section.

NURSING (B.S.N.) E. AS TO BSN TRACK

Note: For detailed information about this program, see the description in the "Accelerated Undergraduate-Graduate Programs" section.

NURSING (B.S.N.) F. SCC/UCF ASN to BSN enrollment option

College of Nursing
HPA 220, 407-823-2744

<http://www.nursing.ucf.edu/>

E-mail: ucfnurse@mail.ucf.edu

RN to BSN Coordinator: Barbara Lange

Program Description

A partnership between Seminole Community College (SCC) and UCF College of Nursing to allow qualified Associate of Science in Nursing (ASN) students to enter the RN to BSN program while completing the ASN at SCC. This program allows simultaneous enrollment in both associate and baccalaureate nursing programs.

Admission Requirements

Acceptance to the University does not constitute admission to this program. Only students admitted to the Seminole Community College Nursing Program are invited to apply to this SCC/UCF Enrollment option. Upon invitation, students must make separate application to the UCF College of Nursing. Students are accepted into this program during their first year of nursing at SCC and must progress according to a designated plan of study.

At the time of application, students must have:

- A cumulative GPA of 3.0 or above
- Been accepted for enrollment and in good standing at SCC ASN Nursing program.
- An AA degree from a Florida Community College or have met UCF General Education requirements
- Met UCF Foreign Language admission requirement
- Completed pre-requisite coursework for both the UCF and the SCC nursing programs.
- Completed all sections of CLAST (or exempt)

Students not yet admitted to UCF must make application and be accepted by the University. Upon completion of the ASN and successful licensure as a Registered Nurse, students will enroll in remaining UCF Nursing upper division courses to complete the BSN.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- 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 a College of Nursing advisor for clarification of questions regarding prerequisite requirements which cannot be answered by college advisors
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College or other university
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the Nursing major are required for continuation in and graduation from the Nursing Program
- UCF Residency Requirement: 30 hours

- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours

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

- | | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| 1. MAC 1105 (preferred) | |
| 2. Select STA 2014C <i>or</i> STA 2023 | |
| D. Social Foundations | 6 hrs |
| Select SYG 2000 <i>or</i> PSY 2012* | |
| Select one: ECO 2013 <i>or</i> ECO 2023 <i>or</i> POS 2041 | |
| E. Science Foundations:** | 7 hrs |
| Select BSC 2010C (4) | |
| Select CHM 1032 (3) | |

*One of these courses is required to meet General Education requirements, but both are required program prerequisites.

**Science Foundation is 6 credit hours for General Education Program. However the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

2. Common Program Prerequisites (21 hrs)

- | | | |
|--------------------------|---------------------------------------|-------|
| PSY 2012 | General Psychology** | 3 hrs |
| SYG 2000 | Sociology** | 3 hrs |
| MCB 2004C | Health Microbiology | 4 hrs |
| CHM 1032/L | General Chemistry ** | 4 hrs |
| CHM 1032L | General Chemistry Lab | 4 hrs |
| ZOO 3733C | Human Anatomy* | 4 hrs |
| PCB 3703C | Human Physiology | 4 hrs |
| STA 2014C <i>or</i> 2023 | Principles of Statistics** | 3 hrs |
| SOW3104 | Assessing Human Development <i>or</i> | |
| <i>or</i> DEP 2004 | Developmental Psychology | |
| HUN 3011 | Human Nutrition | 3 hrs |

*May take Anatomy and Physiology sequence of six-eight total credits.

**Also meets General Education Requirements;

Applicants should see a UCF Nursing Advisor for possible course substitutions.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core UCF Requirements (25 hrs)

- | | | |
|-----------|--|-------|
| NUR 3806 | Professional Socialization in Nursing | 1 hr |
| NUR 3805 | Dimensions of Professional Nursing Practice | 3 hrs |
| NUR 3065 | Health Assessment | 2 hrs |
| NUR 3065L | Health Assessment Lab | 1 hr |
| NUR 3165 | Nursing Research | 3 hrs |
| NUR 3634 | Community Health Nursing | 3 hrs |
| NUR 4XXL | Leadership, Management and Role Transition | 3 hrs |
| NUR 4837 | Health Care Issues, Policy, & Economics | 3 hrs |
| NUR 4XXX | Public Health Nursing | 2 hrs |
| NUR 4604L | Practicum in Community and Public Health Nursing for RNs | 4 hrs |

Upper Division Credit* (27 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 3225 | Nursing Care of the Adult I | 3 hrs |
| NUR 3225L | Nursing Care of the Adult I Clinical | 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 | 3 hrs |
| NUR XXXX | Psychiatric Mental Health Nursing | 3 hrs |
| NUR XXXX L | Psychiatric Mental Health Nursing Clinical | 2 hrs |

*May be met by validation

4. Upper Division Restricted Elective (6 hrs)

- | | | |
|----------|--|-------|
| NUR XXXX | Any two upper division Nursing Electives | 6 hrs |
|----------|--|-------|

5. 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
- School of Nursing GPA of 2.5 or above

6. Electives (variable to meet degree requirements)

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs
Related Programs: Health Services Administration, Social Work, All health programs

Related Minors: Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

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 Fee

- Full-time Student\$50 per term
- Part-time Student\$25 per term

Sample Plan of Study (Junior Year UCF)

While Enrolled in SCC Associate of Science in Nursing Program

| | | |
|---------------------|---|--|
| Semester I | | |
| NUR 3806 | 1 | |
| NUR 3065 | 2 | |
| NUR 3065L | 1 | |
| Semester II | | |
| NUR 3805 | 3 | |
| Semester III | | |
| NUR 3165 | 3 | |
| NUR 3634 | 3 | |
| Semester IV | | |
| NUR 4837 | 3 | |
| Semester V | | |
| NUR elective | 3 | |
| Semester VI | | |
| NUR 4XXX elective | 3 | |
| 4XXX Public Health | 2 | |
| Semester VII | | |
| NUR 4XXX Leadership | 3 | |
| NUR 4604L Practicum | 4 | |

ORGANIZATIONAL COMMUNICATION (B.A.)

See Interpersonal/Organizational Communication

PHILOSOPHY (B.A.)

College of Arts and Humanities

Philosophy Department, PSY 220

<http://www.cah.ucf.edu/philosophy>

E-mail: philosophy@ucf.edu

Contact: Don Jones or Jennifer Mundale, 407-823-2273;

Fax: 407-823-6658

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

(36 hrs)
9 hrs

A. Communication Foundations

- B. Cultural and Historical Foundations
 - Select HUM 2210 Humanistic Traditions I 3 hrs
 - Select HUM 2230 Humanistic Traditions II 3 hrs
 - Select PHI 2010 Intro to Philosophy 3 hrs
- C. Mathematical Foundations
 - Prefer MGF 1106 Finite Mathematics 3 hrs
(may substitute a higher level math)
 - Prefer STA 1060C Statistics Using Excel 3 hrs
- D. Social Foundations 6 hrs
- E. Science Foundations 6 hrs

2. Common Program Prerequisites

none

3. Core requirements*

(36 hrs)

A. Core

- HUM 2210 Humanistic Traditions I (6 hrs) GEP
- HUM 2230 Humanistic Traditions II GEP
- PHI 2010 Intro to Philosophy GEP
- PHI 3083 Research Methods (3 hrs)
- To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.
- PHI 4938 Senior Research Seminar (3 hrs)

B. Reasoning:

Take any two of the following courses:

- PHI 2011 Philosophical Reasoning (6 hrs)
- PHI 2101 Critical Thinking
- PHI 2108 Formal Logic I
- PHI 2647 Logic and Ethics
- PHI 3131 Formal Logic II

C. History of Philosophy

(9 hrs)

Take two of the following courses:

- PHH 3100 Ancient Philosophy
- PHH 3200 Medieval Philosophy
- PHH 3460 Modern Western Philosophy

Take one of the following courses:

- PHH 3600 Contemporary Philosophy
- PHH 3510 Marx and Nietzsche
- PHH 3700 American Philosophy
- PHI 3790 African Philosophy

D. Values and Society

(6 hrs)

Take any two of the following courses:

- PHI 3670 Ethical Theory
- PHI 3626 Advanced Ethics in Science and Technology
- PHM 3401 Philosophy of Law
- PHI 3800 Aesthetics
- PHM 3123 Feminist Theories
- PHI 3638 Ethical Issues in the 21st Century
- PHI 3625 Virtual Ethics
- PHI 4633 Ethics and Biological Science
- PHM 3100 Freedom and Justice
- PHI 3640 Environmental Ethics
- PHM 4031 Environmental Philosophy
- PHH 3701 Native American Philosophy
- PHI 3805 Contemporary Aesthetics

E. Being and Knowing

(6 hrs)

Take any two of the following courses:

- PHI 4500 Metaphysics
- PHI 4341 Ways of Knowing
- PHI 4300 Theories of Knowledge
- PHI 3700 Philosophy of Religion
- PHI 4400 Philosophy of Science
- PHI 3320 Philosophy of Mind
- PHI 3451 Philosophy of Psychology
- PHI 4420 Philosophy of Social Science
- PHI 3323 Minds and Machines
- PHP 4782 Phenomenology
- PHI 4221 Philosophy of Language

F. Topics in Philosophy

(3 hrs)

Take one of the following courses:

- PHI 4931 Philosophy in the News
- PHI 3683 Philosophy of Friendship
- PHI 4321 Philosophies of Embodiment
- PHI 3648 Ethical Issues of the Human Genome Project
- PHI 3022 Sexuality, Gender and Philosophy
- PHI 3033 Philosophy, Religion and the Environment
- PHI 4804 Critical Theory
- PHP 3783 Modernity as a Philosophical Problem
- PHI 3750 Problem of Evil
- PHI 3720 Faith and Reason
- PHI 3803 Philosophy and Creativity
- PHI 3941 Philosophy Practicum
- REL 3111 Religion and Philosophy through Film
- PHP 3786 Existentialism
- HUM 4330 Performance Theory

UCF Degree Programs

*Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by Departmental advisor.

4. Upper Division Restricted Electives (6 hrs)

Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.

5. Departmental Exit Requirements (3 hrs)

- Either PHI 4970H: Honors Thesis (3 hrs) or PHI 4938 Senior Research Seminar.
- Earn a "C" (2.0) or better in each required course.
- Computer Competency met by PHI 4970H, PHI 4938, or by STA 1060C.
- Departmental Exit Exam in final semester.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

6. Foreign Language Requirements (0-8 hrs)

Admission: 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.

7. Electives (variable - to reach 120)

Select primarily from upper level courses, with departmental advisor's approval. May be outside the department.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required (120 hrs)

Related Programs: Humanities, Humanities - Philosophy, Religion, Pop Culture Track, Religious Studies

Related Minors: Cognitive Sciences, Environmental Studies, Humanities, Philosophy, Religious Studies, Women's Studies

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.

Honors in the Major:

Students considering graduate school in philosophy are strongly encouraged to take Honors in the Major. Requirements are as follows:

Core requirements (36 hrs)

Same requirements as for regular majors, but must include PHI 2101 Formal Logic I

Upper division Restricted Electives (6 hrs)

Same requirements as for regular majors.

Honors Thesis

| | | |
|-----------|-------------------------|-------|
| PHI 4903H | Honors Directed Reading | 3 hrs |
| PHI 4970H | Honors Thesis | 3 hrs |

Additional Requirements:

- Application and admission through the Philosophy Honors Coordinator and the Burnett Honors College
- Fulfill University requirements for Honors in the Major
- Earn a "B" (3.0) or better in both PHI 4903H and PHI 4970H
- 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

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Suggested 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. (i.e. "req#1 C1-GEP" indicates a requirement from section 1 *UCF General Education Program,* section C Mathematical Foundation #). Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year

| Fall | Spring | |
|----------------------------|-------------------------------------|---|
| ENC 1101 Composition I | 3 ENC 1102 Composition II | 3 |
| HUM 2210 Hum Tradition I | 3 HUM 2230 Hum Tradition II | 3 |
| MGF 1106* req# 1C1-GEP | 3 STA 1060C* req# 1C2-GEP | 3 |
| PHI 2010 Intro to Phil | 3 PHI 2101* req# 3b-FoundnReasoning | 3 |
| SPN 1120C* req# Lang/Elect | 4 SPN 1121C* req# Lang/Elect | 4 |

Sophomore Year

| Fall | Spring | |
|--------------------------|---------------------------------|---|
| BSC 1005* req# 1E2-GEP | 3 CHM 1020* req# 1E1-GEP | 3 |
| PSY 2012* req# 1D2-GEP | 3 POS 2041* req# 1D1-GEP | 3 |
| SPC 1600* req# 1A3-GEP | 3 PHH 3460* req# 3c-DiscHistory | 3 |
| PHI 2108 Reasoning | 3 PHI 3670* req# 3d-ApplValues | 3 |
| PHH3100* req# 3c-History | 3 Elective* Check restrictions | 3 |

Junior Year

| Fall | Spring | |
|------------------------------|--------------------------------|---|
| PHI 3083 Res Meth in Phil | 3 PHP 4782* req# 3e-Being | 3 |
| PHH 3600* req# 3c-History | 3 PHM 3401 req# 3d Values | 3 |
| PHI 3320* req# 3e-Being | 3 PHI 4321 req# 3f Topics | 3 |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 |

Senior Year

| Fall | Spring | |
|------------------------------|--------------------------------|---|
| PHP 3786* req# 4-ResEle | 3 PHI 4938 Seminar | 3 |
| PHI 4804* req#4-ResEle | 3 Elective* or PHI 4970H | 3 |
| Elective* or PHI 4903H | 3 Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 |

PHOTOGRAPHY (B.S.)

College of Arts and Humanities

Advisor: Jason Burrell (UCF-Daytona), 386-506-3944

The Photography B.S. program is a joint program between the University of Central Florida and Daytona Beach Community College.

(This program is only 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 Art Department 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 Department 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 Beach Community 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

Degree Requirements

1. UCF General Education Program (36 hrs)

Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The

specific courses will depend on the general education courses completed as part of the articulated A.S., and will come from the following areas:

| | | |
|---|---------------------------------|-------|
| A. Communication Foundations | | |
| ENC 1101 | Composition I | AS |
| ENC 1102 | Composition II | 3 hrs |
| SPC 2600* | Speech | AS |
| B. Cultural and Historical Foundations | | |
| ARH 2051 | History and Criticism of Art II | 6 hrs |
| C. Mathematical Foundations | | |
| MAC 1105 | College Algebra or | |
| MGF 2106 | College Mathematics or | |
| MGF 2107 | Mathematics for Liberal Arts | AS |
| | Computer Science or Statistics | 3 hrs |
| D. Social Foundations | | |
| | Political Science or Economics | 3 hrs |
| | Psychology or Sociology | AS |
| E. Science Foundation | | |
| | Physical Science | 3 hrs |
| | Life Science | 3 hrs |

2. Common Program Prerequisites (0 hrs)

(Included in A.S. or B.S. requirements.)

Subject to change. Prerequisites have not been set by the state.

| | | |
|-----------|---------------------------------|----|
| ARH 2051 | History and Criticism of Art II | AS |
| GRA 1741* | Principles of Design and Color | AS |
| GRA 1158* | Digital Graphics Fundamentals | AS |
| PGY 1403* | Fundamentals of Photography | AS |
| PGY 3610C | Photojournalism I | BS |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. AS Required Courses: (49 hrs)

(Completed in the A.S. degree program in Photographic Technology, or equivalent coursework)

| | | |
|----------|---------------------------------------|-------|
| CGS 1570 | Introduction to Computer Applications | 1 hr |
| DIG 1109 | Digital Imaging Fundamentals | 3 hrs |
| GRA 1741 | Principles of Design and Color | 3 hrs |
| PGY 1115 | Color Materials and Processes | 7 hrs |
| PGY 1265 | Advanced Processes and Techniques | 4 hrs |
| PGY 1403 | Fundamentals of Photography | 4 hrs |
| PGY 1402 | Photographic Materials and Processes | 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 | Studio Portraiture | 4 hrs |
| PGY 2216 | Location Portraiture | 4 hrs |
| PGY 2655 | Applied Photography | 4 hrs |

4. Upper Division Required Courses (39 hrs)

| | | |
|-----------|-------------------------------------|-------|
| PGY 3002 | Contemporary Photography | 3 hrs |
| ARH 3711 | History of Photography II | 3 hrs |
| PGY 4003 | Image, Culture, and Society | 3 hrs |
| CRW 3011 | Creative Writing for Non-Majors | 3 hrs |
| PGY 3821 | Digital Imagery for Photography | 3 hrs |
| PGY 3610C | Photojournalism I | 3 hrs |
| PGY 3620C | Photojournalism II | 3 hrs |
| PGY 4472 | Photography Workshop/Project | 3 hrs |
| PGY 4228 | Advanced Illustrative Photography | 3 hrs |
| PGY 4471 | Photography Thesis | 3 hrs |
| PGY 3324 | The Professional Environment | 3 hrs |
| PGY 3205 | Photographic Lighting Techniques | 3 hrs |
| PGY 3480 | Photographic Exhibition and Display | 3 hrs |

5. Upper Division Restricted Electives (3 hrs)

Select one of the following courses.

| | | |
|----------|----------------------------|-------|
| PGY 3451 | Alternative Processes | 3 hrs |
| PGY 3809 | Photography and Web Design | 3 hrs |
| PGY 3751 | Videography | 3 hrs |

6. Foreign Language Requirements (0-8 hrs)

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

7. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 42 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF

- A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Military credit permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required **127 hrs**

Community College Transfer Notes

- Students transferring from any Florida public institution with an A.A. degree or with the 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 General Education and Common Program Prerequisites

- ARH1000* May substitute ARH 2500 or ARH 2050
- GRA 1741* May substitute GRA 2111C
- GRA 1800* May substitute GRA 2140C

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

PHYSICS (B.S.)

College of Sciences

Physics Department, MAP 310, 407-823-2325

<http://www.physics.ucf.edu>

E-mail: physics@ucf.edu

Chair: Talat S. 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.
- AA transfer students are expected to have completed the following courses before enrolling as a Physics major; CHM 2045C, CHM 2046&L, MAC 2311, MAC 2312, MAC 2313, PHY 2048 &L, and PHY 2049&L. 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.
- 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.

1. UCF General Education Program (36+2 hrs)

(Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36.)

| | | |
|---|--|-------|
| A. Communication Foundations | | |
| 1. Select ENC 1101 and ENC 1102 | | 6 hrs |
| 2. Prefer SPC 1016 | | 3 hrs |
| B. Cultural and Historical Foundations | | |
| C. Mathematical Foundations | | |
| 1. Select MAC 2311 | | 4 hrs |
| 2. Prefer COP 3223 | | 3 hrs |

UCF Degree Programs

- D. Social Foundations 6 hrs
 E. Science Foundations
 1. Select PHY 2048 & L (PR:MAC 2311) 4 hrs
 2. Select a listed course 3 hrs

2. Common Program Prerequisites

- (20 hrs)
 CHM 2045C* Chem Fund I 4 hrs
 CHM 2046&L Chem Fund II & Lab 4 hrs
 MAC 2311 Calculus with Analy Geo I GEP
 MAC 2312 Calculus with Analy Geo II 4 hrs
 MAC 2313 Calculus with Analy Geo III 4 hrs
 PHY 2048&L Physics Engr & Sci I & Lab GEP
 PHY 2049&L Physics Engr & Sci II & Lab 4 hrs

*CHM 2040C plus CHM 2041C can substitute for CHM 2045C
 *See Transfer Notes for other possible substitutes
 See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core requirements (all tracks)

- (36 hrs)
 MAP 2302 Differential Equations 3 hrs
 PHY 3101 Physics Engr & Sci III 3 hrs
 PHZ 3113 Intro to Theoretical Meth of Phys 3 hrs
 PHY 3220 Mechanics I 3 hrs
 PHY 3513 Thermal and Statistical Physics 3 hrs
 PHY 3323 Electricity and Magnetism I 3 hrs
 PHY 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 (should be in the area of specialization) 3 hrs

- Laboratory requirements
 PHY 3802L Intermediate Physics Lab 3 hrs
 Select one of the following 3 hrs
 PHY 3752C Physics of Sci Instruments
 PHY 3722C Physics Laboratory: Electronics

4. Specialization: select one specialization

4.1 General Physics Specialization (18 hrs)

- PHY 4803L Advanced Physics Lab 3 hrs
 Upper Division Restricted Electives 6 hrs
 PHY, PHZ, or AST courses
 Directed Electives 9 hrs

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)

- Choose one lab from:
 PHY 4803L Advanced Physics Lab 3 hrs
 EEE 5356C Fabrication of Solid State Devices 4 hrs
 Choose nine hours from:
 EEE 3350 Semiconductor Devices 3 hrs
 EGN 3365 Struct and Properties of Materials 3 hrs
 EMA 4413 Electronic Properties of Materials 3 hrs
 CHM 3411L Physical Chemistry Laboratory 2 hrs
 PHZ 5405 Condensed Matter Physics 3 hrs
 EEE 5352 Semiconductor Mat & Device Char 3 hrs
 Directed Electives 6 hrs

Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.

4.3 Optics and Lasers Specialization (18 hrs)

- PHY 4424 Optics 3 hrs
 Choose six hours from:
 EEL 4440 Optical Engineering 3 hrs
 PHY 4445 Lasers 3 hrs
 OSE 5203 Fundamentals of Applied Optics 3 hrs
 OSE 5312 Fundamentals of Optical Science 3 hrs
 OSE 5414 Fund. of Optoelectronic Devices 3 hrs
 Directed Electives 9 hrs

Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, 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

Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.

4.5 Astronomy Specialization (18 hrs)

- AST 2002 Astronomy 3 hrs
 AST 3722C Techniques Observational Astron 3 hrs

- Choose two of the following:
 AST 3110 Solar System Astronomy 3 hrs
 AST 3211 Stellar Astrophysics 3 hrs
 AST 3402 Galaxies and Cosmology 3 hrs

Directed Electives 6 hrs
 Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.

5. 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
- Computer Competency met by COP 3223 or a departmental exam
- Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements (0-8 hrs)

Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation: none

7. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Semester Hours Required 120 hrs

Related Programs: Engineering, Mathematics

Related Minors: Mathematics, Physics, Astronomy

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 common program prerequisites if taken prior to transferring to UCF:

- CHM 2045C*: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$24.80 per term
- Part-time Student\$12.40 per term

Suggested 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.

Summer

Take Chemistry Placement Test ~ <http://chemplacement.sdes.ucf.edu/>
 Take Math Placement Test ~ <http://mathplacement.sdes.ucf.edu/>

Freshman Year

| | Fall | Spring | |
|------------------------|------|----------------------------|---|
| ANT 2000* req# 1D2-GEP | 3 | ENC 1102 Composition II | 3 |
| ENC 1101 Composition I | 3 | PHY 2048 Phy for Eng Sci I | 3 |

| | | | |
|--------------------------|---|----------------------------|---|
| MAC 2311 Calc Anal Geo I | 4 | PHY 2048L Phy L Eng Sci I | 1 |
| CHM 2045C Chem Fund I | 4 | CHM 2046 Chemistry Fund II | 3 |
| | | CHM 2046L Chemistry Fund L | 1 |
| | | MAC 2312 Calc Anal Geo II | 4 |

Sophomore Year

| | | | |
|-----------------------------|---|-----------------------------|---|
| Fall | | Spring | |
| COP 3223 Intro to Prog C | 3 | MUL 2010* req# 1B2-GEP | 3 |
| HUM 2210* req# 1B1-GEP | 3 | MAP 2302 Dif Equations | 3 |
| SPC 1016 Fund Tech Pres | 3 | PHY 3101 Phy Eng Sci III | 3 |
| MAC 2313 Calc Anal Geo III | 4 | ARH2050 req#1B3-GEP | 3 |
| PHY 2049 Phy for Eng Sci II | 3 | PHZ 3113 Intro Ther Meth of | 3 |
| PHY 2049L Phy L Eng Sci II | 1 | | |

Junior Year

| | | | |
|------------------------|---|------------------------|---|
| Fall | | Spring | |
| PHY3802L Int. Phy Lab | 3 | POS 2041* req# 1D1-GEP | 3 |
| PHY 3752C reg#3-core | 3 | PHY 3220 Mechanics | 3 |
| PHY 3323 Elect Mag I | 3 | PHY 4324 Elect Mag II | 3 |
| PHY 3513 Thermal Phys | 3 | PHZ 3151 reg#4-spec | 3 |
| COP 3502C* req# 4-Spec | 3 | COP 3503C* req# 4-Spec | 3 |

Senior Year

| | | | |
|-----------------------------------|---|-----------------------------------|---|
| Fall | | Spring | |
| PHY 4604 Intro to Quantum Mech. I | 3 | BSC 1005* req# 1E2-GEP | 3 |
| PHY 4912 Ind Research | 3 | PHY 4424* req# 4-Spec | 3 |
| COT 4500* req# 4-Spec | 3 | PHY 4605 Intro to Quantum Mech II | 3 |
| PHY 3722C Physics L Elect | 3 | Physics test See catalog. | 0 |
| Elective* Check restrictions | 3 | Elective* Check restrictions | 2 |
| | | Elective* Check restrictions | 3 |
| | | Phys Test-National normed | 3 |

POLITICAL SCIENCE (B.A.)

College of Sciences
 Political Science Department, PH 302, 407-823-2608
<http://www.cos.ucf.edu/politicalscience>
 E-mail: politics@ucf.edu
 Chair: R. 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 15 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

1. UCF General Education Program (36 hrs)

- A. Communication Foundations
 1. Select ENC 1101 & ENC 1102 6 hrs
 2. Prefer SPC 1600 3 hrs
- B. Cultural and Historical Foundations
 1. Prefer AMH 2010 3 hrs
 2. Select from GEP B.2 list 3 hrs
 3. Prefer AMH 2020 3 hrs
- C. Mathematical Foundations
 1. Prefer MGF 1106 *or* MGF 1107 (may substitute a higher level math) 3 hrs
 2. Prefer STA 2014C *or* STA 1060C 3 hrs
- D. Social Foundations
 1. Select POS 2041 3 hrs
 2. Select from GEP D.2 list 3 hrs
- E. Science Foundations 6 hrs

2. Common Program Prerequisites (3 hrs)

- POS 2041* American National Government GEP
 POS XXXX* Any other POS XXXX course 3 hrs

*See Transfer Notes for possible substitutes
 See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core (0 hrs)

- POS 2041 American National Government CPP
 POS 3703 Scope & Methods of Pol Sci CPP

4. Upper Division Restricted Electives (30 hrs)

Choose one of the following emphases

Emphasis 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

Emphasis 2: International Relations-Comparative Politics

- 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

*No more than two of the following courses may be considered part of area B credit: INR 4401, INR 4402, INR 4404.

Emphasis 3: Prelaw

Please see Political Science - Prelaw for the emphasis requirements.

Emphasis 4: International Studies

Please see Political Science - International Studies for the emphasis requirements.

AREAS OF SPECIALIZATION

A. American Politics and Policy

- POS 3122 State Government & Public Policy
- POS 3173 Southern Politics
- POS 3182 Florida Politics
- POS 3233 Public Opinion
- POS 3235 Mass Media and Politics
- POS 3258 Politics in Film
- POS 3273 Voting and Elections
- POS 3413 The American Presidency
- POS 3424 Congress and the Legislative Process
- POS 3443 Political Parties and Processes
- POS 3463 Interest Groups
- POS 3627 Cultural Pluralism and the Law
- POS 4074 Latino Politics
- POS 4142 Metropolitan Politics
- POS 4204 Political Behavior
- POS 4246 Political Socialization
- POS 4284 Judicial Process and Politics
- POS 4412 Presidential Campaigning
- POS 4603 American Constitutional Law I
- POS 4604 American Constitutional Law II
- POS 4622 Politics and Civil Rights
- POS 4742 Geographic Information Systems for the Political Scientist
- PUP 4204 Sustainability
- PUP 4209 Urban Environmental Policy
- PUP 3203 Environmental Politics
- PUP 3314 Minorities in American Politics
- PUP 3325 Women and Political Behavior
- PUP 4003 American Public Policy
- PUP 4204 Sustainability
- PUP 4323 Women and Public Policy
- POS 4742 GIS for the Political Scientist
- PUP 4404 Education and Politics
- PUP 4503 Government and Science
- PUP 4602 Politics of Health
- PUP 4744 Government and Business
- PUP 4931 Topics in Public Policy

B. International Relations and Comparative Government

- CPO 3034 Politics of Developing Areas
- CPO 3103 Comparative Politics
- CPO 3104 Politics of Western Europe
- CPO 3132 Canadian Studies
- CPO 3403 Politics of the Middle East
- CPO 3614 Politics of Eastern Europe
- CPO 4047 Politics of the NAFTA Region
- CPO 4062 Comparative Judicial Processes
- CPO 4074 Political Economy
- CPO 4101 Politics of the European Union
- CPO 4123 Government and Politics of Great Britain
- CPO 4303 Comparative Latin American Politics
- CPO 4445 Comparative Political Parties
- CPO 4553 Politics of Japan
- CPO 4643 Government and Politics of Russia
- CPO 4710 Women in Comparative Perspective
- CPO 4754 Comparative Political Institutions
- CPO 4784 Political & Economic Inequality in Comparative Perspective
- GEO 3471 World Political Geography
- IDS 4315 Global Perspectives
- INR 2002 International Relations-Theory & Practice
- INR 3016 Global Political Issues
- INR 3250 Politics of Pan-Africanism
- INR 3253 International Politics of Africa
- INR 4011 Politics of Globalization
- INR 4030 Diplomacy
- INR 4035 International Political Economy

UCF Degree Programs

| | |
|----------|--|
| INR 4054 | Global Politics of Energy |
| INR 4060 | Causes of War |
| INR 4064 | Changing Nature of War |
| INR 4074 | Immigration Policy |
| INR 4075 | Human Rights Policy |
| INR 4076 | Global Drug Policy |
| INR 4085 | Women, Gender, and Globalization |
| INR 4102 | American Foreign Policy |
| INR 4104 | Topics and Cases in American Foreign Policy |
| INR 4114 | American Security Policy |
| INR 4115 | Strategic Weapons and Arms Control |
| INR 4224 | Contemporary International Politics of Asia |
| INR 4225 | The Vietnam War |
| INR 4243 | International Politics of Latin America |
| INR 4350 | Global Environmental Politics |
| INR 4364 | The Intelligence Community |
| INR 4304 | Issues in International Public Policy |
| INR 4335 | Coercion in International Politics |
| INR 4401 | International Law I |
| INR 4402 | International Law II |
| INR 4404 | Space Law |
| INR 4502 | International Organizations |
| INR 4714 | Politics of International Trade Policy |
| POS 3253 | Contemporary Revolution & Political Violence |
| PUP 3508 | Space Studies |
| PUP 3014 | Comparative Public Policy |
| INR 4351 | International Environmental Law |
| PUP 4510 | Space Policy |

C. Political Theory

| | |
|----------|---|
| INR 4603 | International Relations Theory |
| POS 4206 | Political Psychology |
| POT 3204 | American Political Thought |
| POT 3302 | Modern Political Ideologies |
| POT 4003 | Political Theory |
| POT 4025 | Ancient, Medieval and Early Modern Political Philosophy |
| POT 4054 | Modern Political Philosophy |
| POT 4066 | Contemporary Political Theory |
| POT 4109 | Politics and Literature |
| POT 4345 | Pan-Africanist Thought |
| POT 4305 | The State, Society, and The Individual |
| POT 4314 | Contemporary Democratic Theory |
| POT 4331 | Utopia/Dystopia |
| POT 4414 | Marxist Political Theory |
| POT 4632 | Religion and Politics |

5. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in the major
- Computer Competency met by POS 3703
- Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements (0-8 hrs)

Admission: 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.

7. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

Internship Program: Political Science

For students who excel, a limited number of internship may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Economics, History

Related Minors: Economics, History, Psychology, Sociology, Philosophy

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 common program prerequisites if take prior to transferring to UCF:

- POS 2041* and POS XXXX*: any six hours of introductory Political Science classes. Since POS 2041 and POS 3703 satisfy the CPP as well as the major's core requirements, students are advised to select POS 2041 and POS 3703 to satisfy the CPP.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oemas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student \$10 per term
- Part-time Student \$5 per term

Suggested 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 | Spring | |
| AMH 2010 U S His 1492 1877 | 3 AMH 2020 U S His 1877 Pres | 3 |
| ENC 1101 Composition I | 3 ENC 1102 Composition II | 3 |
| MGF 110X* req# 1C1-GEP | 3 REL 2300* req# 1B3-GEP | 3 |
| POS 2041 Amer National Govt | 3 SPC 1600* req# 1A3-GEP | 3 |
| PSY 2012* req# 1D2-GEP | 3 STA 2014C Prin of Statistics | 3 |

Sophomore Year

| | | |
|------------------------------|--------------------------------|---|
| Fall | Spring | |
| BSC 1005* req# 1E2-GEP | 3 PSC 1121* req# 1E1-GEP | 3 |
| POS 4284* req# 4A-ResElec | 3 POS 3703 Meth of Pol Sci | 3 |
| CPO 3103* req# 4B-ResElec | 3 Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 SPN 1121C* req# Lang/Elect | 4 |
| SPN 1120C* req# Lang/Elect | 4 | |

Junior Year

| | | |
|------------------------------|--------------------------------|---|
| Fall | Spring | |
| POS 3233* req# 4A-ResElec | 3 POS 4604* req# 4A-ResElec | 3 |
| POS 3424* req# 4A-ResElec | 3 Elective* Check restrictions | 3 |
| POS 4603* req# 4A-ResElec | 3 Elective* Check restrictions | 3 |
| CPO 3034* req# 4B-ResElec | 3 Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 |

Senior Year

| | | |
|------------------------------|--------------------------------|---|
| Fall | Spring | |
| POT 3204* req# 4C-ResElec | 3 POS 3173* req# 4 A,B,C | 3 |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 |
| Elective* Check restrictions | 4 Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 |

POLITICAL SCIENCE - INTERNATIONAL STUDIES TRACK (B.A.)

College of Sciences
Political Science Department, PH 302, 407-823-2608

<http://www.cos.ucf.edu/politicalscience>

E-mail: politics@ucf.edu

Contact: R. 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 15 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

| | |
|---|-----------------|
| 1. UCF General Education Program | (36 hrs) |
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | |
| 1. Prefer WOH 2012 | 3 hrs |
| 2. Select from GEP B.2 list | 3 hrs |
| 3. Prefer WOH 2022 3 hrs | |
| C. Mathematical Foundations | 6 hrs |
| 1. Prefer MGF 1106 or MGF 1107 (may substitute a higher level math) | 3 hrs |
| 2. Prefer STA 2014C or STA 1060C | 3 hrs |
| D. Social Foundations | |
| 1. Select POS 2041 | 3 hrs |
| 2. Select from GEP D.2 list | 3 hrs |
| E. Science Foundations | 6 hrs |

| | |
|--|----------------|
| 2. Common Program Prerequisites | (3 hrs) |
| INR 2002* International Relations-Theory and Practice | 3 hrs |
| POS 2041* American National Government | GEP |

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

| | |
|---|-----------------|
| 3. Core Requirements | (18 hrs) |
| INR 2002 International Relations-Theory and Practice | CPP |
| POS 2041 American National Government | GEP |
| ECO 2013 Principles of Macroeconomics | 3 hrs |
| GEO 3471 World Political Geography | 3 hrs |
| IDS 4315 Global Perspectives | 3 hrs |
| CPO 3103 Comparative Politics | 3 hrs |
| POS 3703 Scope and Methods of Political Science | 3 hrs |
| INR 4603 International Relations Theory | 3 hrs |

| | |
|---|-----------------|
| 4. Restricted Electives | (18 hrs) |
| Note: Students must meet all prerequisites before taking these classes. | |

| | |
|--|--------------|
| Regional | 9 hrs |
| CPO 3034 Politics of Developing Areas | |
| CPO 3104 Politics of Western Europe | |
| CPO 3403 Politics of the Middle East | |
| CPO 3614 Politics of Eastern Europe | |
| CPO 4062 Comparative Judicial Process | |
| CPO 4074 Political Economy | |
| CPO 4101 Politics of European Union | |
| CPO 4123 Government and Politics of Great Britain | |
| CPO 4303 Comparative Latin American Politics | |
| CPO 4553 Politics of Japan | |
| CPO 4643 Government and Politics of Russia | |
| CPO 4710 Women in Comparative Politics | |
| CPO 5334 Contemporary Politics of the Mayan Region | |
| POS 3253 Contemporary Revolution and Political Violence | |

| | |
|---|--------------|
| Functional | 9 hrs |
| INR 3253 International Politics of Africa | |
| INR 4030 Diplomacy | |
| INR 4350 Global Environmental Politics | |
| INR 4054 Global Politics of Energy | |
| INR 4074 Immigration Policy | |
| INR 4075 Human Rights Policy | |
| INR 4076 Global Drug Policy | |
| INR 4304 Issues in International Public Policy | |
| INR 4364 The Intelligence Community | |
| INR 4714 Politics of International Trade Policy | |
| INR 4364 The Intelligence Community | |
| INR 4035 International Political Economy | |
| INR 4085 Women, Gender, and Globalization | |
| INR 4102 American Foreign Policy | |
| INR 4104 Topics in Amer Foreign Policy | |
| INR 4114 American Security Policy | |
| INR 4115 Strategic Weapons and Arms Control | |
| INR 4224 Contemporary International Politics of Asia | |
| INR 4243 International Politics of Latin America | |
| INR 4304 Issues in International Public Policy | |
| INR 4335 Coercion in International Politics | |
| INR 4351 International Environmental Law | |
| INR 4401 International Law I | |
| INR 4402 International Law II | |
| INR 4404 Space Law | |
| INR 4502 International Organizations | |
| INR 4941 Internship (a maximum of 3 hours) | |
| PUP 4503 Government and Science | |
| PUP 4510 Space Policy | |

Other courses may be substituted with the chair's approval.

5. Required minor (18 hrs min)
 Select from the following: Asian Studies, French, German, International Business (Business majors only), Italian, Latin American Studies, Middle East Studies, or Spanish. **Note:** No more than one course may be used to fulfill both this track and the minor.

6. Departmental Exit Requirements
 ■ Maintain a minimum GPA of 2.0 in the major
 ■ Computer Competency met by POS 3703
 ■ Before applying to graduate, the CLAST must be completely satisfied.

7. Foreign Language Requirements (0-14 hrs)
Admission: 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 (variable)
 Select primarily from upper level courses, with departmental advisors approval. May be outside of the department.

9. University Minimum Exit Requirements
 ■ A 2.0 UCF GPA
 ■ 60 semester hours earned after CLEP awarded
 ■ 48 semester hours of upper division credit completed
 ■ 30 of the last 36 hours of course work must be completed in residency at UCF
 ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
 ■ Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs
Related Programs: Economics, History
Related Minors: Economics, History, Psychology, Sociology, Philosophy

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 common program prerequisites if taken prior to transferring to UCF:
 ■ POS 2041* and INR 2002*: any six hours of introductory Political Science classes. Since INR 2002 and POS 2041 satisfy the CPP as well as the major's core requirements, students are advised to select INR 2002 and POS 2041 to satisfy the CPP. .

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 Fee
 ■ Full-time Student \$10 per term
 ■ Part-time Student \$5 per term

POLITICAL SCIENCE - PRELAW TRACK (B.A.)
College of Sciences
Political Science Department, PH 302, 407-823-2608
<http://www.cos.ucf.edu/politicalscience>
E-mail: politics@ucf.edu
 Contact: R. Handberg, 407-823-2608

While no specific major is prescribed for admission to law school, many prelaw students elect to major in political science. These individuals usually choose the prelaw emphasis within the political science major.

Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entry and acquire a broad training which can result in career options upon graduation.

UCF Degree Programs

For further information, consult one of the Department's prelaw advisors or the College of Arts and Sciences Prewal 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 15 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

1. UCF General Education Program (36 hrs)

- A. Communication Foundations 6 hrs
 1. Select ENC 1101, ENC 1102 3 hrs
 2. Select SPC 1600
- B. Cultural and Historical Foundations 3 hrs
 1. Prefer AMH 2010 3 hrs
 2. Prefer AMH 2020 3 hrs
 3. Select from GEP B.2 list
- C. Mathematical Foundations 6 hrs
 1. Prefer MGF 1106 or MGF 1107 (may substitute a higher level math) 3 hrs
 2. Prefer STA 2014C *or* STA 1060C 3 hrs
- D. Social Foundations 3 hrs
 1. Select POS 2041 American National Gvt 3 hrs
 2. Select one of the three choices
- E. Science Foundations 6 hrs

2. Common Program Prerequisites (3 hrs)

- POS 2041* American National Gvt GEP
 POS XXXX* Any other POS XXXX course 3 hrs

*See Transfer Notes for possible substitutes
 See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core (0 hrs)

- POS 2041 American National Government CPP
 POS 3703 Scope & Methods of Pol Sci CPP

4. Upper Division Restricted Electives (30 hrs)

- POS 4284 Judicial Process and Politics 3 hrs
 4.1 Select one of the following: 3 hrs
 POS 4603 American Constitutional Law I
 POS 4604 American Constitutional Law II
 INR 4401 International Law I
 INR 4402 International Law II
- 4.2 Select one (See listing under Political Science)
 Five courses from area A *and* 15 hrs
 Two courses from area B 6 hrs
or
 Two courses from area A *and* 6 hrs
 Five courses from area B 15 hrs
- 4.3 Select one course from area C 3 hrs

5. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in the major
- Computer Competency met by POS 3703
- Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements (0-8 hrs)

Admission: 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.

7. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

Some suggested electives include:

- ACG 2021 Principles of Financial Accounting
 ACG 2071 Principles of Managerial Accounting

- BUL 3130 Legal and Ethical Env't of Business
 PLA 3104 Legal Research
 PLA 3155 Legal Writing
 PHI 2101 Critical Thinking
 MHF 3302 Logic and Proof in Mathematics
 ENC 3241 Writing for the Technical Professional
 ENC 3250 Professional Writing
 LIN 4105 History of the English Language
 Internship Program: Political Science

For students who excel, a limited number of internship may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required **120 hrs**

Related Programs: Economics, History, Philosophy

Related Minors: Economics, History, English, Philosophy

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 common program prerequisites if taken prior to transferring to UCF:

- POS 2041* and POS XXXX*: any six hours of introductory Political Science classes. Since POS 2041 and POS 3703 satisfy the CPP as well as the major's core requirements, students are advised to select POS 2041 and POS 3703 to satisfy the CPP.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student \$10 per term
- Part-time Student \$5 per term

Suggested 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 | Spring |
|----------------------------|--------------------------------|
| AMH 2010 U S His 1492 1877 | 3 AMH 2020 U S His 1877 Pres |
| ENC 1101 Composition I | 3 ENC 1102 Composition II |
| MGF 110X* req# 1C1-GEP | 3 REL 2300* req# 1B3-GEP |
| POS 2041 Amer National Gvt | 3 SPC 1600* req# 1A3-GEP |
| PSY 2012* req# 1D2-GEP | 3 STA 2014C Prin of Statistics |

Sophomore Year

| Fall | Spring |
|------------------------------|--------------------------------|
| BSC 1005* req# 1E2-GEP | 3 PSC 1121* req# 1E1-GEP |
| POS 4284 Jud Process Pol | 3 POS 3703 Meth of Pol Sci |
| CPO 3103* req# 4.2B-RE | 3 POS 4604* req# 4.1-ResEle |
| Elective* Check restrictions | 3 Elective* Check restrictions |
| SPN 1120C* req# Lang/Elect | 4 SPN 1121C* req# Lang/Elect |

Junior Year

| Fall | Spring |
|------------------------------|--------------------------------|
| POS 4603* req# 4.1-ResEle | 3 POS 3173* req# 4.2A-RE |
| POS 3233* req# 4.2A-RE | 3 Elective* Check restrictions |
| POS 3424* req# 4.2A-RE | 3 Elective* Check restrictions |
| CPO 3034* req# 4.2B-RE | 3 Elective* Check restrictions |
| Elective* Check restrictions | 3 Elective* Check restrictions |

| | | | |
|------------------------------|--------------------------------|---|--|
| Senior Year | | | |
| Fall | Spring | | |
| POS 3122* req# 4.2A-RE | 3 Elective* Check restrictions | 3 | |
| POT 3204* req# 4.3C-RE | 3 Elective* Check restrictions | 3 | |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 | |
| Elective* Check restrictions | 3 Elective* Check restrictions | 4 | |
| Elective* Check restrictions | 3 | | |

PSYCHOLOGY (B.S.)

College of Sciences

Psychology Department, PSY 301, 407-823-2216

<http://www.psych.ucf.edu/>

E-mail: psychology@ucf.edu

Contact: Psychology Advising Center, PSY 250, 407-823-2219;

R. Dipboye, 407-823-2216

Admission Requirements **none**

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 21 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Psychology Department
- Students must earn at least a "C" (2.0) in each course counted toward the core requirements, restricted electives, and diversity courses
- Co-op or internship credit cannot be used in this major without prior approval
- Students should consult with the Department Director of Undergraduate Advising, prior to applying for graduation (before registration for the final term).
- Graduating seniors should complete the senior exit survey
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

Honors in Psychology:

Additional Requirements (6 hrs)

- The Honors in Psychology is available to majors who show outstanding scholarship and promise in psychology
- Application and admission through the department
- Fulfill University requirements for Honors in the Major
- Have a Psychology GPA above 3.5, based on at least 11 credits, including PSY 3213C. No grades can be below a "B" (3.0)
- Have an overall UCF GPA above 3.2
- PSY 4903H Directed Honors Readings 3 hrs
- PSY 4970H Undergraduate Honors Thesis 3 hrs

1. UCF General Education Program (36 hrs)

(Note: Certain courses may be selected in the GEP for this major bringing the total GEP hours to more than 36.)

- | | |
|---|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| 1. Prefer MGF 1106 or MGF 1107 (may substitute a higher level math) | 3 hrs |
| 2. Select STA 2023 or STA 2014C | 3 hrs |
| D. Social Foundations | |
| 1. Select one of the listed choices | 3 hrs |
| 2. Select PSY 2012 | 3 hrs |
| E. Science Foundations | |
| 1. Select one of the listed choices | 3 hrs |
| 2. Select BSC 1005 (or BSC 2010C if additional Biology courses are planned) | 3 hrs |

*See Transfer Notes for possible substitutions

2. Common Program Prerequisites (3 hrs)

| | | |
|-----------|---|-------|
| BSC 1005* | Biological Principles or | GEP |
| BSC 2010C | (If additional Biology courses are planned) | |
| PSY 2012 | General Psychology | GEP |
| DEP 2004* | Developmental Psychology | 3 hrs |
| STA 2023* | Statistical Methods I (or STA 2014C) | GEP |

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core requirements (15 hrs)

| | | |
|-----------|--------------------------------------|-----|
| BSC 1005* | Biological Principles (or BSC 2010C) | GEP |
| PSY 2012 | General Psychology | GEP |

| | | |
|-----------|--------------------------------------|-------|
| STA 2023* | Statistical Methods I (or STA 2014C) | GEP |
| PSY 3204 | 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 |

4. Restricted Electives (27-32 hrs)

A. Experimental. Select two of the following: 6-8 hrs

| | |
|-----------|---|
| EXP 3404 | Basic Learning Processes |
| EXP 3204C | Perception |
| EXP 3604C | Cognitive Psychology |
| PSB 4240C | Neuropsychology |
| LIN 3703 | Psychology of Oral Communication |
| PSY 4215C | Advanced Research Methods in Psychology |

B. Personality/Social. Select one of the following: 3 hrs

| | |
|----------|----------------------|
| PPE 3003 | Personality Theories |
| SOP 3004 | Social Psychology |

C. Developmental. Select one of the following: 3 hrs

| | |
|----------|------------------------------------|
| DEP 2004 | Developmental Psychology |
| DEP 3202 | Psychology of Exceptional Children |
| DEP 3464 | Psychology of Aging |

D. Diversity. Select one of the following: 3 hrs

| | |
|----------|--------------------------------|
| CLP 3184 | Women's Mental Health |
| SOP 3742 | Psych of Women |
| SOP 3723 | Cross Cultural Psychology |
| SOP 3724 | Psychology of Racial Prejudice |
| SOP 3784 | Psychology of Diversity |

E. Applied. Select one of the following courses: 3 hrs

| | |
|----------|--|
| CLP 3302 | Clinical Psychology |
| EXP 3250 | Principles of Human Factors Psychology |
| INP 3004 | Industrial/Organizational Psychology |

F. Psychology Elective. Select three additional courses taught by the Psychology department 9-12 hrs

Note: INP 3141C, INP 3951, PSY 3905, PSY 4906, PSY 4912 will not fulfill this requirement.

PSY 3951 will not fulfill this requirement without prior approval.

5. Science Electives (6-8 hrs)

Select two of the following from outside Psychology (See course listing for prerequisites)

| | | |
|--------------|---|-----------------|
| AST 2002 | Astronomy | (satisfies GEP) |
| ANT 2511 | The Human Species | (satisfies GEP) |
| PSC 1121 | Physical Science | (satisfies GEP) |
| PHY 2053C | College Physics I | (satisfies GEP) |
| CHM 1020 | Concepts in Chemistry | (satisfies GEP) |
| COP 3223 | Introduction to Programming with C | |
| COP 3502C | Computer Science I | |
| COP 3503C | Computer Science II | |
| ENC 3241 | Writing for the Technical Professional or | |
| ENC 3211 | Theory and Practice of Technical Writing | |
| MAC 2233 | Concepts of Calculus or | |
| MAC 2253 | Applied Calculus I | |
| PCB 3063 & L | Genetics with lab | |
| PCB 3703C | Human Physiology | |
| STA 4102 | Computer Process of Stat Data | |
| STA 4163 | Statistical Methods II | |
| STA 4164 | Statistical Methods III | |
| ZOO 3733C | Human Anatomy | |

6. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each course in the core requirements, restricted electives and science elective.
- Maintain a minimum overall psychology GPA of 2.0
- Computer Competency met by PSY 3213C
- Before applying to graduate, the CLAST must be completely satisfied

7. Foreign Language Requirements (0-8 hrs)

Admission: Met by graduation requirement.

Graduation: Proficiency equivalent to one year of college instruction in either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

8. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

UCF Degree Programs

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine hours of Summer credit (if applicable).

Total Semester Hours Required **120 hrs**

Related Programs: Sociology, Anthropology, Statistics, Criminal Justice

Related Minors: Psychology, Sociology, Anthropology, Math, Statistics

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 common program prerequisites if taken prior to transferring to UCF:

- BSC 1005 or BSC 2010C: any lower level BSC course or ZOO X010. However, BSC 2010C is a prerequisite for all subsequent Biology courses and thus may need to be taken in order to qualify for other Biology courses used as science electives for the BS degree in psychology.
- STA XXXX; any lower level STA course will fulfill the CPP. Since STA 2014C or STA 2023 are prerequisites for subsequent psychology courses, students are advised to select either to satisfy their CPP.
- DEP 2004; any lower level psychology course will fulfill the CPP. Since DEP 2004 satisfies the CPP as well as psychology restricted elective 4C, students are advised to select DEP 2004 to satisfy their CPP.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/al c/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$11 per term
- Part-time Student\$5.50 per term

Suggested 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 | Spring | | |
| PHI 2010* req# 1B3-GEP | 3 BSC 1005 Biological Principles* | 3 | |
| ENC 1101 Composition I | 3 ENC 1102 Composition II | 3 | |
| MGF 110X* req# 1C1-GEP | 3 POS 2041* req# 1D1-GEP | 3 | |
| PSY 1121* req# 1E2-GEP | 3 SPC 1016* req# 1A3-GEP | 3 | |
| PSY 2012 General Psychology | 3 STA 2023* Statistical Methods I | 3 | |

Sophomore Year

| | | | |
|------------------------------|--------------------------------|---|--|
| Fall | Spring | | |
| EUH 2000* req# 1B1-GEP | 3 EUH 2001* req# 1B2-GEP | 3 | |
| DEP 2004* req# 4C-ResElect | 3 ASL 2150* req# Lang/Elect | 4 | |
| ASL 2140* req# Lang/Elect | 4 Elective* Check restrictions | 4 | |
| AST 2002* Astronomy | 3 Elective* Check restrictions | 3 | |
| Elective* Check restrictions | 2 | | |

Junior Year

| | | | |
|------------------------------|--------------------------------------|---|--|
| Fall | Spring | | |
| PSB 3002 Phys Psychology | 3 PSY 3213C Res Meth Psych | 5 | |
| PSY 3204 Stat Meth in Psych | 4 Psych Elective* Check restrictions | 3 | |
| CLP 3302* req# 4E-ResElect | 3 Elective* Check restrictions | 3 | |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 | |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 | |

Senior Year

| | | | |
|------------------------------|--------------------------------------|---|--|
| Fall | Spring | | |
| EXP 3204C* req# 4A-ResElect | 4 PSY 4604 Hist & Sys Psych | 3 | |
| SOP 3004* req# 4B-ResElect | 3 SOP 3723* req# 4D-ResElect | 3 | |
| ANT 2511* req# 5-ResElect | 3 Psych Elective* Check restrictions | 3 | |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 | |
| Elective* Check restrictions | 3 | | |

PUBLIC ADMINISTRATION (B.A., B.S.)

College of Health and Public Affairs

Department of Public Administration

HPA2 238, 407-823-2604

<http://www.cohpa.ucf.edu/pubadm/>

Undergraduate Program Director: Ronnie Korosec

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

(36 hrs)

| | |
|---|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| 1. MAC 1105 or MGF 1106 | |
| 2. Select CGS 1060C | |
| D. Social Foundations (nine hours required for major) | 6 hrs |
| 1. Select POS 2041 | |
| 2. PSY 2012, SYG 2000 or ANT 2000 | |
| E. Science Foundations | 6 hrs |

2. Common Program Prerequisites

(3 hrs)

| | | |
|-----------|------------------------------|-------|
| CGS 1060C | Intro to Computer Science | GEP |
| POS 2041 | American National Government | GEP |
| ECO 2013 | Principles of Macroeconomics | 3 hrs |

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements

(18 hrs)

| | | |
|----------|--|-------|
| PAD 3003 | Public Admin. in American Society | 3 hrs |
| PAD 4034 | 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 |

4. Upper Division 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.

5. Departmental Exit Requirements

The students must attain a minimum grade of "C" (2.0) in all Common Program Prerequisite 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).

6. 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.

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and armed forces credits permitted.

Total Semester Hours Required 120 hrs

Related Programs: Accounting, Communications, Economics, Legal Studies, Computer Science, Social Work, Political Science, Criminal Justice, Health Services Administration, Management

Related Minors: Communications, Business, Economics, Political Science, Legal Studies, Criminal Justice

Transfer Notes:

| | |
|---|---|
| Intro. to Computer Science (CGS 1060C) or any Computer Science course | 3 |
| Economics I (ECO 2013) or any Macroeconomics course | 3 |
| American National Government (POS 2041) or any course in American National Government | 3 |

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Tentative Course Schedule for Entering Freshmen

Freshman Year

| | | | |
|------------------------------|---------------|-----------------------------|---------------|
| Fall | 14 hrs | Spring | 15 hrs |
| ENC 1101 | 3 | ENC 1102 | 3 |
| CGS 1060C | 3 | MGF 1106 | 3 |
| POS 2041 | 3 | PSY 2012 <i>or</i> SYG 2000 | 3 |
| One Course: ARH 2050, | 3 | <i>or</i> ANT 2000 | |
| ARH 2051, MUL 2010, | | CHM 1020 <i>or</i> PSC 1121 | 3 |
| THE 2000, REL 2300, | | <i>or</i> AST 2002 | |
| PHI 2010, LIT 2110, LIT 2120 | | Elective | 3 |
| PAF 2102 | 2 | | |

Sophomore Year

| | | | |
|---------------------------------------|---------------|---------------------------------------|---------------|
| Fall | 15 hrs | Spring | 15 hrs |
| SPC 1600 | 3 | PAD 3003 | 3 |
| EUH 2000 <i>or</i> HUM 2210 | 3 | EUH 2001 <i>or</i> WOH 2022 <i>or</i> | 3 |
| <i>or</i> AMH 2010 <i>or</i> WOH 2012 | | HUM 2230 <i>or</i> | |
| ECO 2013 | 3 | AMH 2020 | 3 |
| BSC 1005 <i>or</i> MCB 1310 | 3 | Elective | 3 |
| <i>or</i> GLY 1030 <i>or</i> GEO 1200 | | Elective | 3 |
| <i>or</i> ANT 2511 | | Elective | 3 |
| Elective | 3 | | |

Junior Year

| | | | |
|--------------------------------------|------------------|---------------------------------------|------------------|
| Fall | 15/16 hrs | Spring | 15/16 hrs |
| PAD 4104 | 3 | PAD 4034 | 3 |
| PAD 4414 | 3 | PAD 4204 | 3 |
| PAD Elective | 3 | PAD 4720 | 3 |
| Supporting Elective | 3 | PAD Elective | 3 |
| Foreign Lang I <i>or</i> B.S. option | 4/3 | Foreign Lang II <i>or</i> B.S. option | 4/3 |

Senior Year

| | | | |
|---------------------|---------------|---------------------|---------------|
| Fall | 15 hrs | Spring | 15 hrs |
| PAD Elective | 3 | PAD Internship* | 6 |
| PAD Elective | 3 | PAD Elective | 3 |
| Supporting Elective | 3 | Supporting Elective | 3 |
| Supporting Elective | 3 | Elective | 3 |
| Supporting Elective | 3 | | |

*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.

Minors

The six PAD required core courses for the major will be required of the PAD minor. These are PAD 3003, PAD 4414, PAD 4104, PAD 4204, PAD 4034, and PAD 4720.

The Department of Public Administration offers minors in Emergency Management and Homeland Security, Urban and Regional Planning, Public Administration, and Nonprofit Management/American Humanics National Certification Program and also offers a certificate in Nonprofit Management.

RADIO-TELEVISION (B.A.)

College of Sciences

Nicholson School of Communication

COM 238, 407-823-2681

E-mail: radiotv@ucf.edu

Contact: Dr. W. Joe Hall

Admission Requirements

Limited Access

- Students should apply to become Radio-Television majors only after completing all requirements for admission. Deadlines are:
 - 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
- Attain an overall minimum 2.25/4.00 GPA based on a minimum of 30 credit hours of college work. Note: meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis. The GPA cut-off varies each term with the quality of applicants, and during previous years, ranged upward from a minimum of 2.9.
- Meet a grammar proficiency standard ("B" grades or better in ENC 1101 and ENC 1102 or pass the grammar proficiency exam.)
- Receive a positive evaluation of other factors specified by the School.

Degree Requirements

- Students who change degree programs (other than from Radio/TV Pending) and select this major must adopt the most current catalog.
- Students may complete an internship off campus in a professional broadcast, production, or corporate operation with advisor's approval
- Internship credit may be used in this major pending departmental permission
- Co-op credit may be used in this major pending approval from an RTV advisor
- Students should consult with a School advisor
- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication
- Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
- Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication
- Radio TV majors must select their required minor from outside the School of Communication to remain below the 40 credit hour school maximum.
- Students seeking to change tracks once accepted into the major, must re-apply to the RTV major under the new, desired track
- All students are required to pay a fee for equipment insurance
- A maximum of 3 credit hours of internship may be earned in one semester. Internship credit, plus all other hours taken within the school, must not exceed 40 hours.

UCF Degree Programs

- A maximum of 6 credit hours of internship may be earned within the 120 credit hours required for graduation. Summer internship are available during "C" term only.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (36 hrs)

- A. Communication Foundations (6 hrs)
 Select ENC 1101 & ENC 1102 (3 hrs)
 Select SPC 1600 *or* SPC 1016 (3 hrs)
- B. Cultural and Historical Foundations (9 hrs)
- C. Mathematical Foundations (3 hrs)
 Prefer MGF 1106 (may substitute a higher level math) (3 hrs)
 Select CGS 2100C (3 hrs)
- D. Social Foundations (6 hrs)
- E. Science Foundations (6 hrs)

2. Common Program Prerequisites (0 hrs)

- Select one course (GEP)
- SPC 1016 Fund of Technical Presentations *or*
 SPC 1600 Fund Oral Communication
- See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core requirements (all areas) (21 hrs)

- SPC 1016 or SPC 1600 GEP
- a. Select one of the following: (3 hrs)
- CGS 2100C Computer Fundamentals of Business
 CGS 2585C Desktop/Internet Publishing
 CGS 3175 Internet Applications
- b. Complete all the following
- RTV 2102 Writing for the Electronic Media (3 hrs)
 RTV 3200 Production Fund & Aesthetics of Electronic Media (3 hrs)
- RTV 3007 Development and Structure of Elect Media and New Technology (3 hrs)
- MMC 3200 Mass Communication Law (3 hrs)
 RTV 4403 Elec Media, Tech, and Society (3 hrs)
 MMC 3420 Mass Media Research Meth (3 hrs)

4. Specialization: Select one area

4.1 Production (18 hrs)

- Select 18 hours from the following:
- RTV 3210C Audio Production I (4 hrs)
 RTV 3228C Studio Television Production (4 hrs)
 RTV 3223C Lighting for Video (3 hrs)
 RTV 3260C Single Camera Video Prodn & Edit (4 hrs)
 RTV 3263C Advanced Video Post-Production (3 hrs)
 RTV 3283C Production of Int. Multimedia (3 hrs)
 RTV 3942L Practicum (1-3 hrs)
 RTV 4211C Audio Production II (3 hrs)
 RTV 4280C Webcasting I (3 hrs)
 RTV 4281C Webcasting II (3 hrs)
 RTV 4206C Television Directing (4 hrs)
 RTV 4271C Radio Production & Programming (3 hrs)
 RTV 4941 Internship (1-3 hrs)

4.2 Broadcast Journalism (22 hrs)

- a. Complete all the following courses:
- RTV 3260C Single Camera Video Prodn & Edit (4 hrs)
 RTV 3301 Electronic Journalism I (3 hrs)
 RTV 3304 Electronic Journalism II (3 hrs)
 RTV 4320C Television News (4 hrs)
 MMC 4602 Contemporary Media Issues (3 hrs)
- b. Complete 5 hours from the following: (5 hrs)
- JOU 3004 History of American Journalism
 RTV 3234C Broadcast Announcing and Performance
 RTV 4941 Internship (3 hrs max)
 RTV 4700 Regulation of Broadcasting
 RTV 4906 Independent Studies (3 hrs max)
 RTV 4322C Advanced Television News

4.3 Broadcast Generalist (18 hrs)

- a. Select 12 hours from the following: (12 hrs)
- RTV 3234C Broadcast Announcing & Performance
 RTV 4271C Radio Production & Programming
 RTV 4700 Regulation of Broadcasting
 RTV 4800 Broadcast Management
 ADV 4103 Radio-TV Advertising
 CMC 4240 Corporate/Institutional Video
 COM 3330 Computer Mediated Comm.
 MMC 4263 New Media Technologies
 RTV 4941 Internship (3 hrs. max)

- b. Select 6 hours from the following: (6 hrs)
- ADV 3008 Principles of Advertising
 PUR 4000 Public Relations
 COM 3110 Business & Prof. Comm.
 ENC 3250 Professional Writing

5. Required Minor (18 hrs minimum)

Radio-Television majors must complete an 18 hour minor in an academic area outside the School of Communication.

6. School 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.
- Computer competency met by CGS 2100C or departmental assessment.
- Before applying to graduate, the CLAST must be completely satisfied

7. Foreign Language Requirements (0-8 hrs)

Admission: 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 (variable)

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. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Advertising/Public Relations, Animation, Digital Media, Journalism, Film, Theatre

Related Minors: Digital Media, Film, Marketing, Theatre

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.

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 Fee

- Full-time Student\$90 per term
- Part-time Student\$45 per term

RADIOLOGIC SCIENCES (B.S.)

College of Health and Public Affairs

Department of Health Professions

HPA2 210, 407-823-2747

<http://www.cohpa.ucf.edu/health.pro/radbs.cfm>

Undergraduate Program Director: Susan Gosnell,

E-mail: sgosnell@mail.ucf.edu

Admission Requirements

Limited Access

- Acceptance to the university does not necessarily constitute admission to the upper division Radiologic Sciences Program.
- Separate application to the limited access program must be made directly to the program on or before March 1 of the year admission is sought.

- UCF application must be submitted by the program deadline of March 1. Acceptance to UCF is necessary before acceptance to the program can occur.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Criminal history information (background check) must be submitted on or before April 1st of the year admission is sought. For Florida residents the criminal history must be certified by the Florida Department of Law Enforcement (FDLE).
- A personal interview is also required.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program. All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of "C" (2.0). Applicants are considered for admission based on ranking by overall GPA.

Degree Requirements

- Students who are pending Radiologic Sciences and are admitted to the program must adopt the most current catalog
- Students should complete the General Education Program, Foreign Language Admissions, and the Common Program Prerequisites Requirements before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Radiologic Sciences Program
- UCF Residency Requirement for Radiography: 33 hours

1. UCF General Education Program

(36+2 hrs)

| | |
|------------------------------------|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| Select MAC 1105* | |
| Select CGS 1060C | |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 8 hrs |
| Select BSC 2010C* | |
| Select PHY 2053C* | |

2. Common Program Prerequisites

(12 hrs)

| | | |
|------------|----------------------------------|-------|
| CGS 1060C | Introduction to Computer Science | GEP |
| PCB 3703C* | Human Physiology | 4 hrs |
| PHY 2053C* | College Physics I | GEP |
| PHY 2054C | College Physics II | 4 hrs |
| ZOO 3733C* | Human Anatomy | 4 hrs |
| MAC 1105* | College Algebra | GEP |

*See Transfer Notes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements

(76 hrs)

| | | |
|---------------------|--|-------|
| Junior Level | | |
| RTE 3000 | Introduction to Radiologic Sciences | 3 hrs |
| RTE 3111C | Introduction to Patient Care | 2 hrs |
| RTE 3503C | Radiographic Procedures I | 3 hrs |
| RTE 3116 | Advanced Patient Care | 3 hrs |
| RTE 3418C | Principles of Radiographic Exposure I | 3 hrs |
| RTE 3804L | Clinical Education I | 2 hrs |
| RTE 3513C | Radiographic Procedures II | 3 hrs |
| RTE 3457C | Principles of Radiographic Exposure II | 3 hrs |
| RTE 3614 | Physics of Image Production | 2 hrs |
| RTE 3308 | Medical Physics | 3 hrs |
| STA 2023 | Statistical Methods I | 3 hrs |
| HSC 4555 | Pathophysiologic Mechanisms | 3 hrs |
| RTE 3814L | Clinical Education II | 4 hrs |

Senior Level

| | | |
|-----------|---------------------------------|-------|
| RTE 4563 | Special Radiographic Procedures | 2 hrs |
| RTE 4782 | Pathophysiology | 2 hrs |
| RTE 4824L | Clinical Education III | 5 hrs |
| RTE 4573 | Advanced Imaging Modalities | 3 hrs |

| | | |
|-----------|---|-------|
| RTE 4574 | Computed Tomography Protocols <i>or</i> RTE 4579 Mag Resonance Imaging Protocols | 1 hr |
| RTE 4834L | Clinical Education IV | 6 hrs |
| RTE 4385 | Radiobiology | 1 hr |
| RTE 4844L | Clinical Education V - A | 2 hrs |
| RTE 4846L | Clinical Education V - B | 4 hrs |
| RTE 4473 | Quality Improvement | 3 hrs |
| RTE 4762 | Anatomy for the Medical Imager | 3 hrs |
| RTE 4206 | Leadership in Radiologic Sciences | 3 hrs |
| RTE 4XXX | ST: Advanced Clinical Practicum | 4 hrs |

5. Program Exit Requirements (126 hrs)

A minimum overall GPA of 2.50 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Radiologic Sciences Program. The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Graduates are eligible to apply for admission to the Radiography certification exam administered by the American Registry of Radiologic Technologists (ARRT).

6. Electives none

7. Foreign Language Requirements (0-8 hrs)

Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. Students who transfer with a Florida Public Community College AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Graduation: none

8. University Minimum Exit Requirements

- An overall GPA of 2.5
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: (126 hrs)

Related Programs: Cardiopulmonary Sciences, Nursing, HealthServices Administration

Related Minors: Health Services Administration

Transfer Notes:

Prerequisite Requirements

The prerequisite requirements for the following courses are listed below:

PHY 2053C: PR: MAC 1105 and MAC 1114 or equivalent or C.I.
PCB 3703C: PR: BSC 2010C, CHM 1032 or CHM 2045C.
ZOO 3733C: PR: BSC 2010C or equivalent.

Credit by Examination

Credit by Exam for clinical education courses will be awarded to ARRT certified Radiographers who demonstrate advanced knowledge and competencies beyond the level required for entry into the profession. The knowledge required to perform advanced competencies may be demonstrated by registration in multiple disciplines, registration in an advanced level of certification or completion of the Advanced Clinical Practicum course. Students who successfully complete the requirements for credit by exam will be awarded a grade of "S" for the clinical education courses required in their program of study.

Credit by exam for didactic courses will be awarded according to the process described in the UCF catalog.

Community College Equivalents:

| | |
|---|---|
| Human Anatomy and Physiology I and II (BSC X085C and BSC X086C <i>or</i> BSC 2093C and BSC 2094C) | 8 |
| College Algebra (MAC 1105) <i>or</i> (MAC 1102) | 3 |
| College Physics I (PHY 2053C) | 4 |
| College Physics II (PHY 2054C) | 4 |
| Introduction to Computer Science (CGS 1060C) <i>or</i> CGS X530, CGSX570, CIS X400, CIS X000, CGS X000, CGS X061, CGS X361 (no longer offered), CGS X100 | 3 |

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

UCF Degree Programs

Equipment Fee

- Full-time Student\$50 per term
- Part-time Student\$25 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year

| | | | |
|------------------|---------------|---|---------------|
| Fall | 13 hrs | Spring | 16 hrs |
| ENC 1101 | 3 | ENC 1102 | 3 |
| CGS 1060C | 3 | BSC 2010C | 4 |
| MAC 1105 | 3 | MAC 1114 | 3 |
| CHM 1032 and lab | 4 | ECO 2013 <i>or</i> POS 2041 <i>or</i> ECO 2023 | 3 |
| | | MUL 2010 <i>or</i> THE 2000 <i>or</i> REL 2300 <i>or</i> PHI 2010 <i>or</i> ARH 2050 <i>or</i> FIL 2030 | 3 |

Sophomore Year

| | | | |
|--|---------------|--|---------------|
| Fall | 14 hrs | Spring | 14 hrs |
| PHY 2053C | 4 | PCB 3703C | 4 |
| ZOO 3733C | 4 | SPC 1600 | 3 |
| EUH 2000 <i>or</i> HUM 2210 <i>or</i> AMH 2010 | 3 | PHY 2054C | 4 |
| PSY 2012 <i>or</i> SYG 2000 <i>or</i> ANT 2000 | 3 | EU2001 <i>or</i> HUM 2230 <i>or</i> AMH 2020 | 3 |

Junior Year

| | | | |
|---------------|---------------|---------------|---------------|
| Fall | 15 hrs | Spring | 16 hrs |
| RTE 3000 | 3 | RTE 3457C | 3 |
| RTE 3111C | 2 | RTE 3814L | 4 |
| RTE 3418C | 3 | RTE 3513C | 3 |
| RTE 3503C | 3 | HSC 4555 | 3 |
| RTE 3614 | 2 | RTE 3116 | 3 |
| RTE 3804L | 2 | | |
| Summer | 13 hrs | | |
| STA 2023 | 3 | | |
| RTE 4932 | 5 | | |
| RTE 3308 | 3 | | |
| RTE 4563 | 2 | | |

Senior Year

| | | | |
|-----------------------------|----------------|--------------------------|------------------|
| Fall | 14 hrs | Spring | 12/14 hrs |
| RTE 4385 | 1 | RTE 4846L | 4* |
| RTE 4762 | 3 | <i>or both</i> RTE 4844L | 2 |
| RTE 4834L | 6 | <i>and</i> RTE 4854L | 4* |
| RTE 4573 | 3 | RTE 4782 | 2 |
| RTE 4574 <i>or</i> RTE 4579 | 1 | RTE 4473 | 3 |
| | | RTE 4206 | 3 |
| Summer | 4/6 hrs | | |
| RTE 4846L | 4* | | |
| <i>or</i> | | | |
| RTE 4844L | 2 | | |
| <i>and</i> RTE 4854L | 4* | | |

*Completed during the Spring or Summer semester/term.

RADIOLOGIC SCIENCES (B.S.)

A.S. to B.S. TRACK

Note: For detailed information, see description of this program in the **Statewide Articulated AS to BS Programs** section.

REAL ESTATE (B.S.B.A.)

College of Business Administration

BA2 101, 407-823-2184

<http://www.bus.ucf.edu/>

Admissions Requirements

- Completion of the UCF General Education Program, and Gordon Rule, or an AA degree from a Florida public community college
- See Common Program Prerequisites

Degree Requirements

| | |
|---|-----------------|
| 1. UCF General Education Program | (36 hrs) |
| A. Communications Foundations | 9 hrs |
| Required: SPC 1600 Fund of Oral Communication | |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| Select MAC 1140 Pre-Calculus | 3 hrs |
| Select CGS 2100C Computer Fund. For Business | 3 hrs |
| D. Social Foundations | |
| Select ECO 2013 <i>or</i> ECO 2023 | 3 hrs |
| Select one: PSY 2012, SYG 2000, ANT 2000 | 3 hrs |
| E. Science Foundations | 6 hrs |

2. Common Program Prerequisites

(18-21 hrs)

Must be completed with a "C" (2.0) or better.

| | | |
|-----------|-------------------------------------|------|
| ACG 2021 | Principles of Financial Accounting | 3 hr |
| ACG 2071 | Principles of Managerial Accounting | 3 hr |
| ECO 2013 | Principles of Macroeconomics | 3 hr |
| ECO 2023 | Principles of Microeconomics | 3 hr |
| *ECO 3401 | Quantitative Business Tools I | 3 hr |
| CGS 2100C | Computer Fundamentals for Business | 3 hr |

*At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Classes

(36 hrs)

First or subsequent semester in the College of Business Administration:

| | | |
|-----------|---|-------|
| GEB 3031 | Cornerstone (Required in 1st or 2nd semester) | 4 hrs |
| GEB 3375 | Introduction to International Business | 4 hrs |
| BUL 3130 | Legal & Ethical Environments of Business | 4 hrs |
| ECO 3411 | Quantitative Business Tools II | 4 hrs |
| FIN 3403 | Business Finance | 4 hrs |
| MAN 3025 | Management of Organizations | 4 hrs |
| ISM 3011C | Essentials of Management Information Systems | 4 hrs |
| MAR 3023 | Marketing | 4 hrs |

Last Semester:

| | | |
|----------|----------------------|-------|
| MAN 4720 | Strategic Management | 4 hrs |
|----------|----------------------|-------|

4. Special College and/or Department 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 real estate 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 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- A maximum of 6 hours of required or elective coursework can count toward another major or minor degree program.
- Students majoring in real estate must earn a grade of "C" (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major.
- Students must earn at least a 2.0 GPA in the major and CBA.

5. Required Courses

(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 |

6. Restricted Electives

(15 hrs)

Select five of the following:

| | | |
|-------------|---|-------|
| 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 |
| MAR 3391 | Professional Selling | 3 hrs |
| REE 4941 | Internship | 3 hrs |
| REE 4903H** | Honors Directed Readings in Real Estate | 3 hrs |
| REE 4970H** | Honors Thesis in Real Estate | 3 hrs |

**Must be accepted into the UCF Honors in the Major Program. See <http://www.honors.ucf.edu/> for details.

7. Foreign Language Requirements

(0-8 hrs)

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. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted

- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

9. Electives* (variable)**

Total Semester Hours Required 120 hrs

Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF
- 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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/aic/academic_learning_compacts.htm

FOUR YEAR PLAN OF STUDY - REAL ESTATE

| | | | |
|---|---------------|-----------------|---------------|
| Freshman | | | |
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| ENC 1101 | 3 | ENC 1102 | 3 |
| Cult-Hist I | 3 | Cult-Hist II | 3 |
| SPC 1600 | 3 | Art/Music/Lit | 3 |
| MAC 1105 | 3 | CGS 2100C | 3 |
| Elective*** | 3 | Elective*** | 3 |
| Must complete nine hours in a summer semester | | | |
| Sophomore | | | |
| 1st Term | 15 hrs | 2nd Term | 15 hrs |
| ECO 2013 | 3 | ECO 2023 | 3 |
| ACG 2021 | 3 | ACG 2071 | 3 |
| Science | 3 | Science | 3 |
| Psy/Soc/Ant | 3 | FIN 2100 | 3 |
| Elective*** | 3 | ECO 3401 | 3 |
| Junior | | | |
| 1st Term | 14 hrs | 2nd Term | 15 hrs |
| GEB 3031 | 4 | GEB 3375 | 4 |
| REE 3043 | 3 | MAR 3023 | 4 |
| REE 3433 | 3 | ECO 3411 | 4 |
| FIN 3403 | 4 | REE Elective | 3 |
| Senior | | | |
| 1st Term | 15 hrs | 2nd Term | 16 hrs |
| MAN 3025 | 4 | MAN 4720 | 4 |
| ISM 3011C | 4 | REE Elective | 3 |
| BUL 3130 | 4 | REE Elective | 3 |
| REE Elective | 3 | REE Elective | 3 |
| | | Elective*** | 3 |

***General electives as required to reach 120 semester hours.

RELIGIOUS STUDIES (B.A.)

College of Arts and Humanities

Department of Philosophy, PSY 220, 407-823-2273

<http://www.cah.ucf.edu/philosophy/>

E-mail: religion@mail.ucf.edu

Program Director: Claudia Schippert

Admission Requirements

none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a "C" (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Religious Studies may be simultaneously applied to fulfill another major.

1. UCF General Education Program

(36 hrs)

- A. Communication Foundations 9 hrs
- B. Cultural and Historical Foundations
 - Select HUM 2210 Humanistic Tradition I 3 hrs
 - Select HUM 2230 Humanistic Tradition II 3 hrs
 - Select REL 2300 World Religions 3 hrs
- C. Mathematical Foundations 6 hrs
 - Prefer MGF 1106 Finite Mathematics (May substitute a higher level math)
 - Prefer STA 1060C Statistics Using Excel
- D. Social Foundations 6 hrs
- E. Science Foundations 6 hrs

2. Common Program Prerequisites

none

3. Core requirements

(24 hrs)

- a. Core (0 hrs)
 - HUM 2210 Humanistic Traditions I GEP
 - HUM 2230 Humanistic Traditions II GEP
 - REL 2300 World Religions GEP

b. Foundations in the Study of Religion and the Humanities

(9 hrs)

Select three courses, at least two must be from (1)

- (1) Religion
 - REL 3131 Religion in America
 - REL 4110 Religion and the Arts
 - PHI 3700 Philosophy of Religion
 - ANT 3241 Magic, Ritual, and Belief
 - POT 4632 Religion and Politics
 - SYO 4200 Sociology of Religion
- (2) Humanities and Classics
 - CLT 3370 Classical Mythology
 - CLT 3378 Comparative Mythology
 - HUM 3431 Ancient Humanities
 - HUM 3435 Medieval Humanities
 - HUM 3255 Modern Humanities
 - HUM 3252 Contemporary Humanities

c. Traditions: Religion in a Global World

(9 hrs)

Select three courses:

- HUM 3401 Asian Humanities
- HUM 3417 Hindu Thought and Culture
- HUM 3419 Islamic Thought and Culture
- HUM 3552 Christian Thought
- HUM 3553 Moses, Jesus, and Mohammed
- REL 3340 Buddhist Thought
- ANT 3245 Native American Religions
- JST 3401 The Jewish People I
- or JST 3402 The Jewish People II

d. Applications: Topics and Issues in the Study of Religion

(6 hrs)

Select two courses:

- PHI 3033 Philosophy, Religion, and the Environment
- REL 3115 Religion, Spirituality, and Popular Music
- REL 3111 Religion and Philosophy through Film
- REL 3432 Roots of Western Mysticism
- REL 4932 Religion and Medicine
- HUM 4554 Religious Quest and the Human Dilemma
- HUM 4303 The Spiritual Ideal
- PHI 3672 Animal Ethics

UCF Degree Programs

4. Upper Division 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):

| | |
|----------|---|
| REL 4941 | Spiritual Care Internship |
| HUM 3320 | Contemporary Multicultural Studies |
| HUM 4301 | The Classical Ideal |
| HUM 4330 | Performance Theory |
| PHI 4321 | Philosophy of Embodiment: Mind/Body/Self |
| PHI 3629 | Family Values |
| PHI 3638 | Ethical Issues in the 21st Century |
| PHI 3684 | Ways of Living |
| PHM 3020 | Philosophy of Love |
| PHI 4341 | Ways of Knowing |
| PHI 4804 | Critical Theory |
| PHM 3100 | Freedom and Justice |
| PHP 3786 | Existentialism |
| AML 3615 | Harlem, Haiti, and Havana |
| ASH 3222 | Islam and its Empires |
| ASH 3223 | The Modern Middle East |
| JST 3100 | The Hebrew Creative Mind |
| JST 3125 | The Book of Job |
| JST 3144 | Dead Sea Scrolls |
| JST 3450 | Modern Jewish Experience |
| JST 3550 | Introduction of Modernism into Judaism |
| JST 3701 | History of the Holocaust |
| JST 3751 | Literature of the Holocaust |
| JST 3810 | The Jewish National Movement and Roots of Zionism |
| LIT 4374 | Literature of the Bible |
| LIT 3202 | Death and Dying |

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.

5. Departmental Exit Requirements (3 hrs)

- REL 4910 Senior Research Seminar (3 hrs).
- Earn a "C" (2.0) or better in each required course.
- Computer Competency met by REL 4970H, REL 4910, or by STA 1060C.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

6. Honors in the 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 requirements as for regular majors

Honors Thesis (6 hrs)

| | | |
|-----------|--------------------------|-------|
| REL 4903H | Honors Directed Readings | 3 hrs |
| REL 4970H | 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
- Earn a "B" (3.0) or better in both REL 4903H and REL 4970H
- 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

7. Foreign Language Requirements (0-8 hrs)

Admission: 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 (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside the department.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted

- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Philosophy, Humanities, Interdisciplinary Studies
Related Minors: Philosophy, Humanities, Judaic Studies, Religious Studies

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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Suggested 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 | Spring | |
|----------------------------|----------------------------|---|
| ENC 1101 Composition I | ENC 1102 Composition II | 3 |
| HUM 2210 Hum Tradition I | HUM 2230 Hum Tradition II | 3 |
| MGF 1106* req# 1C1-GEP | STA 1060C* req# 1C2-GEP | 3 |
| REL 2300 World Religions | REL 3131* req# 3b-Foundn | 3 |
| SPN 1120C* req# Lang/Elect | SPN 1121C* req# Lang/Elect | 4 |

Sophomore Year

| Fall | Spring | |
|---------------------------|------------------------------|---|
| ANT 2511* req# 1E2-GEP | POS 2041* req# 1D1-GEP | 3 |
| COM 1000* req# 1A3-GEP | PSC 1121* req# 1E1-GEP | 3 |
| PSY 2012* req# 1D2-GEP | HUM 3417* req# 3c-Tradtns | 3 |
| HUM 3252* req# 4-ResElect | REL 4110* req# 3b-Foundn | 3 |
| JST 3401* req# 3c-Tradtns | Elective* Check restrictions | 3 |

Junior Year

| Fall | Spring | |
|------------------------------|------------------------------|---|
| PHI 3700* req# 3b-Foundn | REL 3111* req# 4 ResElect | 3 |
| REL 3115* req# 3d-AppI | REL 3432* req# 3d-AppI | 3 |
| PHI 4341 req# 4 ResElect | Elective* Check restrictions | 3 |
| Elective* Check restrictions | Elective* Check restrictions | 3 |
| Elective* Check restrictions | Elective* Check restrictions | 3 |

Senior Year

| Fall | Spring | |
|------------------------------|------------------------------|---|
| REL 3340* req# 4 3c-Tradtns | REL 4910 Seminar | 3 |
| Elective* Check restrictions | Elective* Check restrictions | 3 |
| Elective* Check restrictions | Elective* Check restrictions | 3 |
| Elective* Check restrictions | Elective* Check restrictions | 3 |
| Elective* Check restrictions | Elective* Check restrictions | 3 |

RESTAURANT AND FOOD SERVICE MANAGEMENT (B.S.)

Rosen College of Hospitality Management

9907 Universal Boulevard

Orlando, Florida 32819

407-903-8000

<http://www.hospitality.ucf.edu>

Dean: Abraham Pizam

Degree Requirements

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

| | |
|---|-------|
| A. Communications Foundations | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| Select MAC 1105 College Algebra | 3 hrs |
| Select CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I | 3 hrs |
| D. Social Foundations | |
| Select ECO 2013 Macroeconomics | 3 hrs |
| or | |
| Select ECO 2023 Macroeconomics | |
| Select one: PSY 2012, SYG 2000, ANT 2000 | 3 hrs |
| E. Science Foundation | 6 hrs |

2. Common Program Prerequisites (3 hrs)

| | |
|---|-------|
| HFT 1000 Introduction to Hospitality Management | 3 hrs |
|---|-------|

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Foundations

| | | |
|--------------------------|--|-------|
| CGS 2100C or STA 2023 | Computer Fundamentals of Business Statistical Methods I | (GEP) |
| ECO 2013 or ECO 2023 | Macroeconomics Microeconomics | (GEP) |
| MAC 1105 | College Algebra | (GEP) |

4. Hospitality Management Core (28 hrs)

| | | |
|----------|--|-------|
| HFT 2401 | Hospitality Financial Accounting | 3 hrs |
| HFT 2500 | Hospitality Marketing | 3 hrs |
| HFT 2220 | Hospitality Human Resources | 3 hrs |
| HFT 3444 | Hospitality Information Systems | 3 hrs |
| HFT 3603 | Legal Environment in Hospitality | 3 hrs |
| HFT 3431 | Hospitality Managerial Accounting | 3 hrs |
| HFT 3540 | Guest Services Management | 3 hrs |
| HFT 4464 | Hospitality Industry Finance | 3 hrs |
| HFT 4286 | Hospitality Communications | 3 hrs |
| HFT 3933 | Distinguished Lectures in Hospitality Mgmt | 1 hr |

5. Internship (3 hrs)

| | | |
|----------|------------|------|
| HFT 3940 | Internship | 1 hr |
| HFT 4941 | Internship | 1 hr |
| HFT 4944 | Internship | 1 hr |

6. Restaurant Management Core (24 hrs)

| | | |
|-----------|--|-------|
| FSS 2221C | Quantity Food Preparation | 3 hrs |
| HFT 3263 | Restaurant Management | 3 hrs |
| HFT 4268 | Case Studies in Restaurant Management | 3 hrs |
| FSS 3124 | Supply and Procurement Management | 3 hrs |
| HFT 4266 | Restaurant Brand Management | 3 hrs |
| HFT 4281 | Restaurant Leadership Strategies and Tactics | 3 hrs |
| HFT 4861C | Beverage Management | 3 hrs |
| HFT 4844 | Sanitation in the Food Service Industry | 3 hrs |

7. Special College 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.

8. Restricted Electives (15 hrs)

Choose any 5 courses from the list below for a total of 15 credit hours

| | | |
|-----------|--|-------|
| FSS 3232C | Intermediate Techniques of Food Production | 3 hrs |
| FSS 4286C | Catering and Banquet Organization | 3 hrs |
| HFT 3807 | Multi-Unit Food Service Operations | 3 hrs |
| HFT 4645 | Restaurant Real Estate, Site Selection and Modeling | 3 hrs |
| HFT 4425 | Financial Analysis for Restaurant Managers | 3 hrs |
| HFT 3574 | Foodservice Marketing, Advertising, and Promotion Management | 3 hrs |
| HFT 4269 | Case Studies in Multi-Unit Restaurant Mgt | 3 hrs |
| HFT 4343 | Hospitality Facilities, Planning and Design | 3 hrs |
| HFT 3654 | Franchising in the Restaurant Industry | 3 hrs |
| HFT 4281 | Restaurant Leadership and Tactics | 3 hrs |
| FSS 3008 | Culture and Cuisine | 3 hrs |
| HFT 3610 | Law and Restaurant Management | 3 hrs |
| HFT 3285 | International Restaurant Corporation Management | 3 hrs |
| HFT 4284 | Training and Employee Performance in the Food Service Industry | 3 hrs |
| HFT 3834 | Topics in Restaurant & Foodservice Management | 3 hrs |
| FSS 4135 | Corporate Contract & Managed Services Orgs | 3 hrs |
| HFT 4864 | Anheuser-Busch Seminar in Quality Brewing and Fine Beer | 3 hrs |
| HFT 4866C | Exploring Wines of the World | 3 hrs |
| HFT 4457 | Food, Beverage and Labor Cost Control | 3 hrs |
| HFT 3868 | History of Wine and Culture | 3 hrs |
| HFT 4894 | International Gastronomy | 3 hrs |
| HUN 3013 | Nutrition in the Food Service Industry | 3 hrs |
| HFT 4865 | Advanced Wine Mgmt | 3 hrs |

9. Foreign Language Requirements (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.)

10. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 48 hours of upper division credit completed
- 30 semester hours of coursework completed in residency (last 30 hours) at UCF
- A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Military credit permitted

- Completion of the General Education Program, the Gordon Rule, the CLAST, and 9 semester hours of Summer credit (if applicable).

11. Unrestricted Electives (3-11 hrs)

As necessary to result in 120 total credit hours.

Total Semester Hours Required 120 hrs

Community/Junior College 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 at 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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$75 per term
- Part-time Student\$37.50 per term

Four Year Plan of Study for B.S. Restaurant and Food Service Management*

Plan your required nine summer credit hours into your course of study.

| | | | |
|---------------------------------|---------------|-------------------------------|---------------|
| Freshman Year | | | |
| Fall | 15 hrs | Spring | 15 hrs |
| ENC 1101 Eng Comp I | 3 hrs | ENC 1102 Eng Comp II | 3 hrs |
| Cult/Hist Found Sequence I | 3 hrs | SPC 1600 Fund Oral Comm | 3 hrs |
| CGS 2100C or STA 2023 | 3 hrs | Cult/Hist Found Sequence II | 3 hrs |
| HFT 1000 Intro to Hosp Man | 3 hrs | MAC 1105 College Algebra | 3 hrs |
| PSY 2012, SYG 2000, or ANT 2000 | 3 hrs | FSS 2221C Quant Food Prep | 3 hrs |
| Sophomore Year | | | |
| Fall | 15 hrs | Spring | 15 hrs |
| Science Foundation I | 3 hrs | Science Foundation II | 3 hrs |
| ECO 2013 or ECO 2023 | 3 hrs | Cult/Hist Foundation | 3 hrs |
| HFT 3263 Restaurant Mgmt | 3 hrs | FSS 3124 Sup & Prod Mgmt | 3 hrs |
| HFT 2401 Hosp Fin Acct | 3 hrs | HFT 3444 Hosp Info Systems | 3 hrs |
| HFT 2220 Hosp Hum Res Mgmt | 3 hrs | HFT 2500 Hosp Marketing | 3 hrs |
| Junior Year | | | |
| Fall | 14 hrs | Spring | 16 hrs |
| HFT 3540 Guest Svc Mgmt | 3 hrs | HFT 4268 Case Studies in F.S. | 3 hrs |
| HFT 4266 Rest Brand Mgmt | 3 hrs | HFT 4844 Sanitation | 3 hrs |
| HFT 3431 Hospitality Mgr Acct | 3 hrs | HFT 4861C Beverage Mgmt | 3 hrs |
| HFT 4281 Leader Strategies | 3 hrs | Rest & F.S. Elective | 3 hrs |
| HFT 3940 Internship I | 1 hr | HFT 4941 Internship II | 1 hr |
| HFT 3933 Dist Lect in Hosp | 1 hr | HFT 3603 Legal Environment | 3 hrs |
| Senior Year | | | |
| Fall | 15 hrs | Spring | 15 hrs |
| HFT 4286 Communications | 3 hrs | HFT 4464 Finance | 3 hrs |
| Rest & F.S. Elective | 3 hrs | Rest & F.S. Elective | 3 hrs |
| Rest & F.S. Elective | 3 hrs | HFT 4281 Leader Strategies | 3 hrs |
| HFT 4944 Internship III | 1 hr | Rest & F.S. Elective | 3 hrs |
| Unrestricted Electives | 5 hrs | Unrestrictive Elective | 3 hrs |

SCIENCE EDUCATION – BIOLOGY (B.S.)

College of Education

Department of Teaching and Learning Principles, ED 209

<http://education.ucf.edu/science/>

Program Coordinator: Dr. Aldrin Sweeney, ED 123L, 407-823-2561, E-mail: asweeney@pegasus.cc.ucf.edu

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 and/or CLAST examination (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.

UCF Degree Programs

- 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 (36+1 hrs)

- A. Communication Foundation (9 hrs)
- ENC 1101 English Composition I 3 hrs
 - ENC 1102 English Composition II 3 hrs
 - Prefer SPC 1600 Fundamentals of Oral Communication 3 hrs
- B. Cultural-Historical Foundation (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 Foundation (6 hrs)
- Prefer: MGF 1106 Finite Mathematics 3 hrs
 - Prefer: STA 1060C Basic Statistics using MS Excel *or* STA 2014C Principles of Statistics 3 hrs
- D. Social Foundation (6 hrs)
- Prefer: POS 2041 American National Government 3 hrs
 - Prefer: PSY 2012 General Psychology 3 hrs
- E. Science Foundation (6+1 hrs)
- A grade of "C-" (1.75) is required.
- Select: PSC 1121 Physical Science 3 hrs
 - Select: BSC 2010C Biology I 4 hrs

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)

- | | | |
|----------|------------------------------|-------|
| EDF 2005 | Introduction to Education | 3 hrs |
| EDG 2701 | Teaching Diverse Populations | 3 hrs |
| EME 2040 | Technology for Educators | 3 hrs |

Note: In addition to EDG 2701, 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.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Other Program Requirements (12 hrs)

- | | | |
|-----------|--|-------|
| EDF 2130* | Child & Adolescent Development for Educators | 3 hrs |
| BSC 2010C | Biology I w/Lab | GEP |
| BSC 2011C | Biology II | 4 hrs |
| CHM 2045C | Chemistry Fundamentals I | 4 hrs |
| PSC 1121 | Physical Science | GEP |
| PSC 1121L | Physical Science Lab | 1 hr |

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Education Core Requirements (18 hrs)

- | | | |
|----------|---|-------|
| EDF 4467 | Learning Theory and Assessment | 3 hrs |
| EDF 4603 | Analysis and Applications of Ethical, Legal, and Safety Issues in Schools | 3 hrs |
| EDG 4410 | Teaching Strategies and Classroom Mgmt | 3 hrs |
| EEX 4242 | Teaching Exceptional Students in Sec Settings | 3 hrs |
| RED 4043 | Content Reading in Kindergarten thru Grade 12 | 3 hrs |
| TSL 4080 | Theory and Practice of Teaching ESOL Students in Schools | 3 hrs |

- Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required biology courses must be completed prior to Internship I with a minimum grade of "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 CLAST was used for admission) and 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.clinicalexperiences.education.ucf.edu>.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly rec-

ommended 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.

5. Internship I Block (7 hrs)

- | | | |
|----------|--------------------------------|-------|
| SCE 4360 | Science Instructional Analysis | 4 hrs |
| SCE 3940 | Internship I | 3 hrs |

6. Specialization Requirements (25 hrs)

- | | | |
|--------------|-----------------------------------|-------|
| CHM 2205 | Intro to Organic and Biochemistry | 5 hrs |
| CHM 2046 | Chemistry Fundamentals II | 3 hrs |
| CHM 2046L | Chemistry Fundamentals Lab | 1 hr |
| PCB 3044 | Ecology | 3 hrs |
| PCB 3044L | Ecology Lab | 1 hr |
| MCB 3020C | Microbiology | 5 hrs |
| SCE 4361 | Programs in Teaching Science | 3 hrs |
| PCB 3703C | Human Physiology <i>or</i> | 4 hrs |
| ZOO 3733C | Human Anatomy | |
| PCB 3063 and | Genetics | |
| PCB 3063L | Genetics Lab | |

- 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.clinicalexperiences.education.ucf.edu>.

7. Internship II (12 hrs)

- | | | |
|----------|---------------|--------|
| SCE 4941 | Internship II | 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-5.066.

8. Foreign Language Requirements (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.)

9. 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.

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 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

11. Total Program Semester Hours Required 120 hrs

Consult with your Education advisor and review your degree audit for more recent information.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alac/academic_learning_compacts.htm

12. Recommended Four Year Sequence of Courses**Freshman Year**

| | | | |
|------------------------------------|-----------------|---------------------------------|-----------------|
| Fall | (12 hrs) | Spring | (16 hrs) |
| EDF 2005 Introduction to Education | 3 | EDG 2701 Teaching Diverse Pop | 3 |
| ENC 1101 English Composition I | 3 | ENC 1102 English Composition II | 3 |
| MGF 1106 Finite Mathematics | 3 | PHI 2010 Intro to Philosophy | 3 |
| PSY 2012 General Psychology | 3 | PSC 1121 Physical Science | 3 |
| | | PSC 1121 L Physical Science Lab | 1 |
| | | SPC 1600 Fund of Oral Comm | 3 |

Summer (6 hrs)

| | |
|-----------------------------------|---|
| EME 2040 Technology for Educators | 3 |
| POS 2041 American National Gov | 3 |

Sophomore Year

| | | | |
|--|-----------------|----------------------------------|-----------------|
| Fall | (14 hrs) | Spring | (15 hrs) |
| AMH 2010 U.S. History 1492-1877 | 3 | AMH 2020 US History 1877-present | 3 |
| BSC 2010C Biology I w/Lab | 4 | BSC 2011C Biology II | 4 |
| CHM 2045C Chemistry Fundamentals I | 4 | CHM 2205 Intro Organic & Biochem | 5 |
| STA 2014C Principles of Statistics <i>or</i> | 3 | EDF 2130 Child and Adol Dev Ed* | 3 |
| STA 1060C Basic Stats using MS Excel | | | |

***Transfer Notes:** Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Summer (3 hrs)

| | |
|---------------------------------|---|
| TSL 4080 Theory & Prac of Teach | 3 |
| ESOL Students in Schools | |

Junior Year

| | | | |
|--------------------------------------|-----------------|---------------------------------|-----------------|
| Fall | (14 hrs) | Spring | (12 hrs) |
| EDF 4467 Learn Theory & Assmt | 3 | MCB 3020C Microbiology | 5 |
| EDG 4410 Teach Strat & Class Mgmt | 3 | CHM 2046 Chemistry Fund. II | 3 |
| PCB 3044 Ecology | 3 | CHM 2046L Chemistry Fund. Lab | 1 |
| PCB 3044L Ecology Lab | 1 | SCE 4361 Prog in Teachg Science | 3 |
| PCB 3703C Human Physiology <i>or</i> | 4 | | |
| ZOO 3733C Human Anatomy <i>or</i> | | | |
| PCB 3063 Genetics <i>and</i> | | | |
| PCB 3063L Genetics Lab | | | |

Summer (3 hrs)

| | |
|-------------------------------|---|
| RED 4043 Content Reading K-12 | 3 |
|-------------------------------|---|

Senior Year

| | | | |
|--|-----------------|------------------------|-----------------|
| Fall | (13 hrs) | Spring | (12 hrs) |
| EDF 4603 Anal & Appl of Eth, Legal, & Safe Issues in Sch | 3 | SCE 4941 Internship II | 12 |
| SCE 3940 Internship I | 3 | | |
| SCE 4360 Science Instructional Analysis | 4 | | |
| EEX 4242 Teaching Exceptional Students in Secondary Settings | 3 | | |

SCIENCE EDUCATION - CHEMISTRY (B.S.)**College of Education****Department of Teaching and Learning Principles, ED 209**

<http://education.ucf.edu/science/>

Program Coordinator: Dr. Aldrin Sweeney, ED 123L, 407-823-2561,

E-mail: asweeney@pegasus.cc.ucf.edu

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 and/or CLAST examination (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**(36+1 hrs)**

| | |
|---|-----------|
| A. Communication Foundation | (9 hrs) |
| 1. ENC 1101 English Composition I | 3 hrs |
| 2. ENC 1102 English Composition II | 3 hrs |
| 3. Prefer SPC 1600 Fundamentals of Oral Communication | 3 hrs |
| B. Cultural-Historical Foundation | (9 hrs) |
| 1. Prefer: AMH 2010 U.S. History 1492-1877 | 3 hrs |
| 2. Prefer: PHI 2010 Introduction to Philosophy | 3 hrs |
| 3. Prefer: AMH 2020 U.S. History 1877-present | 3 hrs |
| C. Mathematical Foundation | (6 hrs) |
| 1. Select: MAC 1114 College Trigonometry | 3 hrs |
| 2. Prefer: STA 1060C Basic Statistics using MS Excel <i>or</i> STA 2014C Principles of Statistics | 3 hrs |
| D. Social Foundation | (6 hrs) |
| 1. Prefer: POS 2041 American National Government | 3 hrs |
| 2. Prefer: PSY 2012 General Psychology | 3 hrs |
| E. Science Foundation | (6+1 hrs) |
| A grade of "C-" (1.75) is required. | |
| 1. Select: BSC 2010C Biology I | 4 hrs |
| 2. Select: PSC 1121 Physical Science | 3 hrs |

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites**(9 hrs)**

| | |
|---------------------------------------|-------|
| EDF 2005 Introduction to Education | 3 hrs |
| EDG 2701 Teaching Diverse Populations | 3 hrs |
| EME 2040 Technology for Educators | 3 hrs |

Note: In addition to EDG 2701, 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.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Other Program Requirements**(8 hrs)**

| | |
|---|-------|
| EDF2130* Child & Adolescent Development for Educators | 3 hrs |
| CHM 2045C Chemistry Fundamentals I | 4 hrs |
| PSC 1121 Physical Science | GEP |
| PSC 1121L Physical Science Lab | 1 hr |
| BSC 2010C Biology I | GEP |
| MAC 1114 College Trigonometry | GEP |

***Transfer Notes:** Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Education Core Requirements**(18 hrs)**

| | |
|--|-------|
| EDF 4467 Learning Theory and Assessment | 3 hrs |
| EDF 4603 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools | 3 hrs |
| EDG 4410 Teaching Strategies and Classroom Mgmt | 3 hrs |
| EEX 4242 Teaching Exceptional Students in Sec Settings | 3 hrs |
| RED 4043 Content Reading in Kindergarten thru Grade 12 | 3 hrs |
| TSL 4080 Theory and Practice of Teaching ESOL Students in Schools | 3 hrs |

- Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required chemistry courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended during the first semester (if CLAST was used for admission) and 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.clinical-experiences.education.ucf.edu>.
- 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.

5. Internship I Block**(7 hrs)**

| | |
|---|-------|
| SCE 4360 Science Instructional Analysis | 4 hrs |
| SCE 3940 Internship I | 3 hrs |

UCF Degree Programs

6. Specialization Requirements (29 hrs)

| | | |
|-----------|---------------------------------|-------|
| CHM 2046 | Chemistry Fundamentals II | 3 hrs |
| CHM 2046L | Chemistry Fundamentals Lab | 1 hr |
| PHY 2053C | College Physics I | 4 hrs |
| CHM 3120 | Analytical Chemistry | 3 hrs |
| CHM 3120L | Analytical Chemistry Lab | 1 hr |
| CHM 2210 | Organic Chemistry I | 3 hrs |
| CHM 2211 | Organic Chemistry II | 3 hrs |
| CHM 2211L | Organic Laboratory Techniques I | 2 hrs |
| CHS 3501 | Intro to Forensic Science | 3 hrs |
| BCH 4053 | Biochemistry I | 3 hrs |
| SCE 4361 | Programs in Teaching Science | 3 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.clinicalexperiences.education.ucf.edu>.

7. Internship II (12 hrs)

| | | |
|----------|---------------|--------|
| SCE 4941 | Internship II | 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-5.066.

8. Foreign Language Requirements (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.)

9. 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.

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 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

11. Total Program Semester Hours Required 120 hrs

Consult with your Education advisor and review your degree audit for more recent information.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaas.ucf.edu/alac/academic_learning_compacts.htm

12. Recommended Four Year Sequence of Courses

| | | | |
|------------------------------------|----------|---------------------------------|----------|
| Freshman Year | | | |
| Fall | (13 hrs) | Spring | (12 hrs) |
| EDF 2005 Introduction to Education | 3 | EDG 2701 Teaching Diverse Pop | 3 |
| ENC 1101 English Composition I | 3 | ENC 1102 English Composition II | 3 |
| PSC 1121 Physical Science | 3 | MAC 1114 College Trigonometry | 3 |
| PSC 1121L Physical Science Lab | 1 | PHI 2010 Intro to Philosophy | 3 |
| PSY 2012 General Psychology | 3 | | |
| Summer | (6 hrs) | | |
| EME 2040 Technology for Educators | 3 | | |
| POS 2041 American National Gov | 3 | | |

Sophomore Year

| | | | |
|------------------------------------|----------|--|----------|
| Fall | (14 hrs) | Spring | (13 hrs) |
| AMH 2010 U.S. History 1492-1877 | 3 | AMH 2020 US History 1877-present | 3 |
| BSC 2010C Biology I w/Lab | 4 | CHM 2046 Chemistry Fund II | 3 |
| CHM 2045C Chemistry Fundamentals I | 4 | CHM 2046L Chemistry Fund II Lab | 1 |
| SPC 1600 Fund of Oral Comm | 3 | EDF 2130 Child and Adol Dev Ed* | 3 |
| | | STA 2014C Prin of Statistics <i>or</i> | 3 |
| | | STA 1060C Basic Stats using MS Excel | |

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Summer (4 hrs)

| | |
|-----------------------------|---|
| PHY 2053C College Physics I | 4 |
|-----------------------------|---|

Junior Year

| | | | |
|--|----------|------------------------------------|----------|
| Fall | (16 hrs) | Spring | (14 hrs) |
| EDF 4467 Learn Theory & Assmt | 3 | CHM 2211 Organic Chemistry II | 3 |
| EDG 4410 Teach Strat & Class Mgmt | 3 | CHM 2211L Org Lab Techniques I | 2 |
| EEX 4242 Teaching Exceptional Students in Secondary Settings | 3 | CHS 3501 Intro to Forensic Science | 3 |
| CHM 2210 Organic Chemistry I | 3 | RED 4043 Content Reading K-12 | 3 |
| CHM 3120 Analytical Chemistry | 3 | SCE 4361 Prog in Teachg Science | 3 |
| CHM 3120L Analytical Chemistry Lab | 1 | | |
| Summer | (3 hrs) | | |
| TSL 4080 Theory & Prac of Teach ESOL | 3 | | |
| Students in Schools | | | |

Senior Year

| | | | |
|--|----------|------------------------|----------|
| Fall | (13 hrs) | Spring | (12 hrs) |
| BCH 4053 Biochemistry I | 3 | SCE 4941 Internship II | 12 |
| EDF 4603 Anal & Appl of Eth, Legal, & Safe Issues in Sch | 3 | | |
| SCE 3940 Internship I | 3 | | |
| SCE 4360 Science Instructional Analysis | 4 | | |

SCIENCE EDUCATION - PHYSICS (B.S.)

College of Education

Department of Teaching and Learning Principles, ED 209

<http://education.ucf.edu/science/>

Program Coordinator: Dr. Aldrin Sweeney, ED 123L, 407-823-2561

E-mail: asweeney@pegasus.cc.ucf.edu

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 and/or CLAST examination (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 (36+1 hrs)

| | |
|---|-----------|
| A. Communication Foundation | (9 hrs) |
| 1. ENC 1101 English Composition I | 3 hrs |
| 2. ENC 1102 English Composition II | 3 hrs |
| 3. Prefer SPC 1600 Fundamentals of Oral Communication | 3 hrs |
| B. Cultural-Historical Foundation | (9 hrs) |
| 1. Prefer: AMH 2010 U.S. History 1492-1877 | 3 hrs |
| 2. Prefer: PHI 2010 Introduction to Philosophy | 3 hrs |
| 3. Prefer: AMH 2020 U.S. History 1877-present | 3 hrs |
| C. Mathematical Foundation | (6+1 hrs) |
| 1. Select: MAC 2311 Calculus with Analytic Geometry I | 4 hrs |
| 2. Prefer: STA 1060C Basic Statistics using MS Excel <i>or</i> STA 2014C Principles of Statistics | 3 hrs |
| D. Social Foundation | (6 hrs) |
| 1. Prefer: POS 2041 American National Government | 3 hrs |
| 2. Prefer: PSY 2012 General Psychology | 3 hrs |

| | |
|---|---------|
| E. Science Foundation | (6 hrs) |
| A grade of "C-" (1.75) is required. | |
| 1. Select: PSC 1121 Physical Science | 3 hrs |
| 2. Prefer: ANT 2511 The Human Species <i>or</i> Species BSC 1005 Biological Principles | 3 hrs |

Note: Students are advised to take the preferred courses.

| | |
|--|----------------|
| 2. Education Common Program Prerequisites | (9 hrs) |
| EDF 2005 Introduction to Education | 3 hrs |
| EDG 2701 Teaching Diverse Populations | 3 hrs |
| EME 2040 Technology for Educators | 3 hrs |

Note: In addition to EDG 2701, 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.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

| | |
|--|----------------|
| 3. Other Program Prerequisites | (8 hrs) |
| EDF 2130* Child & Adolescent Development for Educators | 3 hrs |
| PHY 2048 Physics for Engineers and Scientists I | 3 hrs |
| PHY 2048L Physics Lab for Engineers and Scientist I | 1 hr |
| PSC 1121 Physical Science | GEP |
| PSC 1121L Physical Science Lab | 1 hr |
| MAC 2311 Calculus with Analytic Geometry I | GEP |

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

| | |
|--|-----------------|
| 4. Education Core Requirements | (18 hrs) |
| EDF 4467 Learning Theory and Assessment | 3 hrs |
| EDF 4603 Analysis and Applications 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 K-12 | 3 hrs |
| TSL 4080 Theory and Practice of Teaching ESOL Students in Schools | 3 hrs |

- Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required physics courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended during the first semester (if CLAST was used for admission) and 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.clinicalexperiences.education.ucf.edu>.
- 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.

| | |
|---|----------------|
| 5. Internship I Block | (7 hrs) |
| SCE 4360 Science Instructional Analysis | 4 hrs |
| SCE 3940 Internship I | 3 hrs |

| | |
|---|-----------------|
| 6. Specialization Requirements | (29 hrs) |
| CHM 2045C Chemistry Fundamentals I | 4 hrs |
| CHM 2046 Chemistry Fundamentals II | 3 hrs |
| CHM 2046L Chemistry Fundamentals II Lab | 1 hr |
| MAC 2312 Calculus w/Analytic Geometry II | 4 hrs |
| MAC 2313 Calculus w/Analytic Geometry III | 4 hrs |
| PHY 2049 Physics for Engineers & Scientists II | 3 hrs |
| PHY 2049L Physics Lab for Engineers & Scientists II | 1 hr |
| PHY 3101 Physics for Engineers & Scientists III | 3 hrs |
| SCE 4361 Programs in Teaching Science | 3 hrs |
| PHY 3752C Physics of Scientific Instruments <i>or</i> | 3 hrs |
| PHY 3722C Physics Laboratory Electronics | |

- 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.clinicalexperiences.education.ucf.edu>.

| | |
|-------------------------|-----------------|
| 7. Internship II | (12 hrs) |
| SCE 4941 Internship II | 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-5.066.

| | |
|---|------------------|
| 8. Foreign Language Requirements | (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.)

- | |
|--|
| 9. 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.

- | |
|---|
| 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 36 hours of course work must be completed in residency at UCF
 - 25% of course work must be completed in residency at UCF
 - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

| | |
|--|----------------|
| 11. Total Program Semester Hours Required | 120 hrs |
|--|----------------|

Consult with your Education advisor and review your degree audit for more recent information.

- | |
|---|
| Program Academic Learning Compacts |
|---|
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

| | | | |
|--|----------|-----------------------------------|----------|
| 12. Recommended Four Year Sequence of Courses | | | |
| Freshman Year | | | |
| Fall | (12 hrs) | Spring | (16 hrs) |
| EDF 2005 Introduction to Education | 3 | MAC 2311 Cal with Anal Geometry I | 4 |
| ENC 1101 English Composition I | 3 | EDG 2701 Teaching Diverse Pop | 3 |
| PSY 2012 General Psychology | 3 | SPC 1600 Fund of Oral Comm | 3 |
| STA 1060C Basic Stat using MS Excel <i>or</i> | 3 | ENC 1102 English Composition II | 3 |
| STA 2014C Principles of Statistics | | PHI 2010 Intro to Philosophy | 3 |
| Summer | (6 hrs) | | |
| EME 2040 Technology for Educators | 3 | | |
| POS 2041 American National Gov | 3 | | |

| | | | |
|--------------------------------------|----------|----------------------------------|----------|
| Sophomore Year | | | |
| Fall | (14 hrs) | Spring | (14 hrs) |
| AMH 2010 U.S. History 1492-1877 | 3 | AMH 2020 US History 1877-present | 3 |
| MAC 2312 Cal w/Analytic Geometry II | 4 | MAC 2313 Cal w/Analytic Geom III | 4 |
| PSC 1121 Physical Science | 3 | EDF 2130 Child and Adol Dev Ed* | 3 |
| PSC 1121 L Physical Science Lab | 1 | CHM 2045C Chemistry Fund I | 4 |
| Select one: | | | |
| ANT 2511 The Human Species <i>or</i> | 3 | | |
| BSC 1005 Biological Principles | | | |

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

| | |
|---|---------|
| Summer | (4 hrs) |
| PHY 2048 Physics for Eng & Scientists I | 3 |
| PHY 2048L Physics Lab for Eng & Sci I | 1 |

UCF Degree Programs

Junior Year

| Fall | (13 hrs) | Spring | (13 hrs) |
|--|----------------|------------------------------------|----------|
| CHM 2046 Chemistry Fund II | 3 | EDF 4467 Learn Theory & Assmt | 3 |
| CHM 2046L Chemistry Fund II Lab | 1 | RED 4043 Content Reading K-12 | 3 |
| EEX 4242 Teaching Exceptional Students in Secondary Settings | 3 | PHY 2049 Physics Eng & Scient II | 3 |
| EDG 4410 Teach Strat & Class Mgmt | 3 | PHY 2049L Physics Lab Eng & Sci II | 1 |
| TSL 4080 Theory & Prac of Teach ESOL Students in Schools | 3 | SCE 4361 Prog in Teachg Science | 3 |
| Summer | (3 hrs) | | |
| PHY 3101 Physics for Eng & Scientists III | 3 | | |

Senior Year

| Fall | (13 hrs) | Spring | (12 hrs) |
|--|----------|------------------------|----------|
| EDF 4603 Anal & Appl of Eth, Legal, & Safe Issues in Sch | 3 | SCE 4941 Internship II | 12 |
| SCE 3940 Internship I | 3 | | |
| SCE 4360 Science Instructional Analysis | 4 | | |
| PHY 3752C Physics of Sci Instruments | or 3 | | |
| PHY 3722C Physics Lab Electronics | | | |

SOCIAL SCIENCE EDUCATION (B.S.)

College of Education

Department of Teaching and Learning Principles, ED 209

<http://education.ucf.edu/ssed/>

Program Coordinator: Dr. Scott Waring, ED 123H, 407-823-1766,

E-mail: swaring@mail.ucf.edu

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 and/or CLAST examination (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisites and Other Program Prerequisites courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.

Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (36 hrs)

- A. Communication Foundation (9 hrs)
1. ENC 1101 English Composition I 3 hrs
 2. ENC 1102 English Composition II 3 hrs
 3. Prefer SPC 1600 Fundamentals of Oral Communication 3 hrs
- B. Cultural-Historical Foundation (9 hrs)
1. Select: AMH 2010 U.S. History 1492-1877 3 hrs
 2. Prefer: PHI 2010 Introduction to Philosophy 3 hrs
 3. Select: AMH 2020 U.S. History 1877-present 3 hrs
- C. Mathematical Foundation (6 hrs)
1. Prefer: MGF 1106 Finite Mathematics 3 hrs
 2. Prefer: STA 1060C Basic Statistics using MS Excel *or* STA 2014C Principles of Statistics 3 hrs
- D. Social Foundation (6 hrs)
1. Select: POS 2041 American National Government 3 hrs
 2. Select: PSY 2012 General Psychology 3 hrs
- E. Science Foundation (6 hrs)
1. Prefer: PSC 1121 Physical Science 3 hrs
 2. Prefer: ANT 2511 The Human Species *or* BSC 1005 Biological Principles 3 hrs

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)

| | | |
|----------|------------------------------|-------|
| EDF 2005 | Introduction to Education | 3 hrs |
| EDG 2701 | Teaching Diverse Populations | 3 hrs |
| EME 2040 | Technology for Educators | 3 hrs |

Note: In addition to EDG 2701, 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.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Other Program Requirements (9 hrs)

| | | |
|-----------|--|-------|
| EDF 2130* | Child & Adolescent Development for Educators | 3 hrs |
| SYG 2000 | General Sociology | 3 hrs |
| ECO 2013 | Macroeconomics | 3 hrs |

Note: Student should consult advisor regarding course options.

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Education Core Requirements (18 hrs)

| | | |
|----------|---|-------|
| EDG 4410 | Teaching Strategies and Classroom Mgmt | 3 hrs |
| EDF 4467 | Learning Theory and Assessment | 3 hrs |
| EDF 4603 | Analysis and Applications 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 Kindergarten thru Grade 12 | 3 hrs |

- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required social science 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 CLAST was used for admission) and before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.clinicalexperiences.education.ucf.edu>.

5. Internship I Block (6 hrs)

| | | |
|----------|---------------------------------------|-------|
| SSE 4361 | Social Science Instructional Analysis | 3 hrs |
| SSE 3940 | Internship I | 3 hrs |

6. Specialization Requirements (30 hrs)

| | | |
|----------|--|-------|
| SSE 4936 | Programs in Teaching Social Science | 3 hrs |
| GEO 3471 | World Political Geography | 3 hrs |
| | Upper Division Non Western History Elective: (LAH, AFH, <i>or</i> ASH prefix courses 3/4XXX) | 3 hrs |
| | Upper Division Political Science Electives (POS, INR, <i>or</i> CPO 3/4XXX) | 3 hrs |
| | Upper Division American History Electives (AMH 3/4XXX) | 3 hrs |
| | Field of Concentration Upper Division Electives (AFH, AMH, ASH, CPO, INR, LAH, <i>or</i> POS 3/4XXX) | 6 hrs |
| ECO 2023 | Microeconomics | 3 hrs |
| EUH 2000 | Western Civilization I | 3 hrs |
| EUH 2001 | Western Civilization II | 3 hrs |
| AMH 2010 | U.S. History 1492 – Present | GEP |
| AMH 2020 | U.S. History 1877 – Present | GEP |
| POS 2041 | American National Government | GEP |
| PSY 2012 | General Psychology | GEP |

7. Internship II (12 hrs)

| | | |
|----------|---------------|--------|
| SSE 4941 | 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.clinicalexperiences.education.ucf.edu>.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the preprofessional level in accordance with State Board of Education Rule 6A-5.066.

8. Foreign Language Requirements (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.)

- 9. 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.

- 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 36 hours of course work must be completed in residency at UCF
 - 25% of course work must be completed in residency at UCF
 - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

11. Total Program Semester Hours Required 120 hrs
 Consult with your Education advisor and review your degree audit for more recent information.

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

12. Recommended Sequence of Program Courses:

Freshman Year

| | | | |
|------------------------------------|----------|---------------------------------|----------|
| Fall | (12 hrs) | Spring | (12 hrs) |
| EDF 2005 Introduction to Education | 3 | EDG 2701 Teaching Diverse Pop | 3 |
| ENC 1101 English Composition I | 3 | ENC 1102 English Composition II | 3 |
| MGF 1106 Finite Mathematics | 3 | POS 2041 American National Gov | 3 |
| PSY 2012 General Psychology | 3 | Select one: | |
| | | ANT 2511 The Human Species | or 3 |
| | | BSC 1005 Biological Principles | |

Summer (6 hrs)

| | |
|-----------------------------------|---|
| EME 2040 Technology for Educators | 3 |
| SPC 1600 Fund of Oral Comm | 3 |

Sophomore Year

| | | | |
|-------------------------------------|----------|----------------------------------|----------|
| Fall | (15 hrs) | Spring | (12 hrs) |
| AMH 2010 U.S. History 1492-1877 | 3 | AMH 2020 US History 1877-present | 3 |
| ECO 2013 Macroeconomics | 3 | ECO 2023 Microeconomics | 3 |
| PSC 1121 Physical Science | 3 | EDF 2130 Child and Adol Dev Ed* | 3 |
| SYG 2000 General Sociology | 3 | PHI 2010 Intro to Philosophy | 3 |
| STA 1060C Basic Stat using MS Excel | or 3 | | |
| STA 2014C Principles of Statistics | | | |

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Summer (9 hrs)

| | |
|--------------------------------------|---|
| EUH 2000 Western Civilization I | 3 |
| TSL 4080 Theory & Prac of Teach ESOL | 3 |
| Students in Schools | |
| Political Science Elective | 3 |
| (CPO, INR, POS 3/4XXX) | |

Junior Year

| | | | |
|--|----------|----------------------------------|----------|
| Fall | (15 hrs) | Spring | (12 hrs) |
| EDF 4467 Learn Theory & Assmt | 3 | SSE 4361 Soc Science Instr Analy | 3 |
| EDG 4410 Teach Strat & Class Mgmt | 3 | SSE 3940 Internship I | 3 |
| SSE 4936 Prog Teachg Social Science | 3 | GEO 3471 World Political Geog | 3 |
| EUH 2001 Western Civilization II | 3 | RED 4043 Content Read K-12 | 3 |
| Upper Div Non Western History Elective | 3 | | |
| (AFH, ASH, LAH 3/4XXX) | | | |

Summer (3 hrs)

| | |
|--|---|
| Field of Concent. Upper Level Elective | 3 |
| (AFH, AMH, ASH, CPO, INR, LAH OR POS 3/4XXX) | |

Senior Year

| | | | |
|--|----------|------------------------|----------|
| Fall | (12 hrs) | Spring | (12 hrs) |
| EDF 4603 Anal & Appl of Eth, Legal, & Safe Issues in Sch | 3 | SSE 4941 Internship II | 12 |
| EEX 4242 Teaching Exceptional Students in Secondary Settings | 3 | | |
| American History Elective (AMH 3/4XXX) | 3 | | |
| Field of Concent. Upper Level Elective | 3 | | |
| (AFH, AMH, ASH, CPO, INR, LAH OR POS 3/4XXX) | | | |

SOCIAL SCIENCES (B.S.)
College of Sciences
Department of Sociology, PH 403, 407-823-3744
<http://sociology.ucf.edu/>
E-mail: sociology@ucf.edu
 Contact: J. Corzine, 407-823-3744

The Social Sciences program offers students an opportunity to become acquainted with the various fields of the Social Sciences and to better understand the relationships among those fields. Satisfactory completion of the program leads to the degree Bachelor of Science with a major in Social Sciences.

The program is administered through the Department of Sociology in the College of Sciences.

Admission Requirements none
Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must declare a Social Sciences major prior to their senior year
- Students should consult with a Sociology advisor when entering the program
- Co-op and internship credit cannot be used in this major
- Independent study forms must be approved by the department prior to taking an independent study for use in the Restricted Elective areas. Non-approved independent studies will not be counted towards the major
- Students must earn at least a "C" (2.0) in each core requirement and restricted elective course
- Residency Requirement: Students must complete at least 30 hours of regularly scheduled 3000-4000 level courses that are used in the major at UCF
- 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 (36 hrs)

| | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| Prefer MAC 1105 College Algebra (or higher) | 3 hrs |
| Select STA 1060C or STA 2014C or STA 2023 | 3 hrs |
| D. Social Foundations | |
| Select ECO 2013 or POS 2041, depending on concentration to be followed | 3 hrs |
| Select ANT 2000 or PSY 2012 or SYG 2000, depending on concentration to be followed | 3 hrs |
| E. Science Foundations | 6 hrs |

2. Common Program Prerequisites (0 hrs)

| | |
|----------------------------------|-----|
| ECO 2013 or POS 2041 | GEP |
| ANT 2000 or PSY 2012 or SYG 2000 | GEP |

*See Transfer Notes

UCF Degree Programs

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core requirements (3 hrs)

| | | |
|------------------------------------|--|-------|
| STA 1060C or STA 2014C or STA 2023 | GEP | 3 hrs |
| Select one course | | |
| POS 3703 | Scope and Methods of Political Science | |
| PSY 3213C | Research Methods in Psychology | |
| SYA 4300C | Research Methods (Sociology) | |

4. Restricted Electives (60 hrs)

Select a minimum of 15 semester hours in each of four of the following six Social Science disciplines.

Select no more than two lower level Social Science courses (designated with an *asterisk) in any one area in the Restricted Elective section.

| | | |
|--|---------------------------------------|--------|
| A. Communication | | |
| COM 3311 | Communication Research Methods | 3 hrs |
| Select one course | | 3 hrs |
| RTV 3007 | Dev & Str of Elect Media and New Tech | |
| RTV 4403 | Electronic Media, Tech, & Soc | |
| JOU 3004 | History of American Journalism | |
| Select three more Communication courses | | 9 hrs |
| B. Economics | | |
| *ECO 2013 | Principles of Macroeconomics | 3 hrs |
| *ECO 2023 | Principles of Microeconomics | 3 hrs |
| Select three more Economics courses | | 9 hrs |
| C. Political Science | | |
| *POS 2041 | American National Government | 3 hrs |
| Select four more Political Science courses | | 12 hrs |
| D. Psychology | | |
| *PSY 2012 | General Psychology | 3 hrs |
| PPE 3003 | Personality Theory | 3 hrs |
| Select three more Psychology courses | | 9 hrs |
| E. Public Affairs | | |
| Select one course | | 3 hrs |
| CCJ 3024 | Criminal Justice System | |
| PLA 3013 | Law and the Legal System | |
| PAD 3003 | Public Administration in Amer Soc | |
| Additional 12 hours of Public Affairs courses | | 12 hrs |
| F. Sociology/Anthropology | | |
| *SYG 2000 | General Sociology | 3 hrs |
| *ANT 2000 | General Anthropology | 3 hrs |
| Select three additional Sociology/Anthropology courses | | 9 hrs |

5. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in each of four Social Science disciplines
- Computer Competency is met by the major
- Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements (0-8 hrs)

Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation: Proficiency equivalent to one year of college instruction in either a foreign language, three semesters equivalent of American Sign Language, or one course with a multicultural dimension. Standardized examinations may be used to meet the requirement.

7. Electives (variable)

Select primarily from upper level courses, with a Sociology advisor's approval.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Anthropology, Liberal Arts, Political Science, Public Administration, Psychology, Sociology

Related Minors: Anthropology, Communication, Economics, Political Science, Psychology, Public Administration, Sociology

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 common program prerequisites if taken prior to transferring to UCF:

- Any two introductory Social Sciences courses could meet CPP requirements. However, the indicated courses are prerequisites for subsequent courses and must be taken.

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

SOCIAL WORK (B.S.W.)

College of Health and Public Affairs

HPA 204, 407-823-2114

<http://www.cohpa.ucf.edu/social/>

E-mail: socialwk@mail.ucf.edu

Director: John Ronnau;

Undergraduate Program Coordinator: Robin Kohn

Admission Requirements

Limited Access

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 CLAST
- 15 semester hours common program prerequisites (see Section 2 below for list of courses)
- This limited access program is work-intensive. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.

Personal qualifications considered for acceptance include intelligence, initiative, social concern, appreciation for human diversity, dependability, humanitarian interests in helping people and in improving human services and college-level reading and writing skills.

Degree Requirements

- Students who are pending Social Work and are admitted to the program must adopt the most current catalog
- Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work
- Students should complete the General Education Program, the CLAST 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) 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 (36 hrs)

| | |
|---|-------|
| A. Communication Foundations | 9 hrs |
| Prefer SPC 1600 | |
| B. Cultural Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| Select MGF 1106 Finite Math | |
| Select STA 2014C Principles of Statistics or STA 2023 Statistical Methods I | |

- D. Social Foundations 6 hrs
 1. Select POS 2041
 2. Select PSY 2012
- E. Science Foundations 6 hrs
 Select BSC 1005
 Prefer PSC 1121 *or* AST 2002

- 2. Common Program Prerequisites*** (15 hrs)
- | | | |
|--------------------------------|--|-------|
| POS 2041 | American Government | GEP |
| BSC 1005 | Biology | GEP |
| ECO 2013 <i>or</i> ECO 2023 | Macroeconomics <i>or</i> Microeconomics | 3 hrs |
| PSY 2012 | Psychology | GEP |
| SYG 2000 | Sociology | 3 hrs |

*See Transfer Notes
 See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

- 3. Core Requirements** (45 hrs)
- | | | |
|--------------------------------|---|-------|
| SOW 3104 | Assessing I: Human Development | 3 hrs |
| SOW 3203 | Social Work and Community Resources | 3 hrs |
| SOW 3300 | Practice I: Generalist Practice in Social Work | 3 hrs |
| SOW 3111 | Assessing II: Human Systems | 3 hrs |
| SOW 3352 | Practice II: Interpersonal Skills in Social Work Practice | 3 hrs |
| SOW 3401 | Social Work Research | 3 hrs |
| SOW 3620 | Social Work with Diverse Populations | 3 hrs |
| SOW 4730 | Documentation in Social Work Practice and Service Programs | 3 hrs |
| SOW 4232 | Social Welfare Policies and Issues | 3 hrs |
| SOW 4341 | Micro-level Roles and Interventions in Social Work | 3 hrs |
| SOW 4343 | Macro-level Roles and Interventions in Social Work | 3 hrs |
| SOW 4510 <i>or</i> SOW 4941 | Field Education (for full-time students) <i>or</i> Field Education (for part-time students over two semesters) | 9 hrs |
| SOW 4522 | Field Education Seminar | 3 hrs |

4. Required Social Work Elective 3 hrs

5. Required Principles of Statistics 3 hrs

6. Electives (variable)

7. Foreign Language or Cultural Diversity Requirement

Choose two of the following suggested courses: ANT 4332, ANT 3363, ANT 2410, ANT 3640, ASH 4404, ASH 4442, CPO 4303, HUM 3401, HUM 3417, HUM 3419, JST 3401, JST 3402, JST 3820, LAH 3130, LAH 3200, LAH 3400, LAH 3470, AMH 3561, AMH 3571, AMH 3586, ANT 3302, ANT 3311, ANT 3313, SOP 3724, SOP 3742, ASL 3444, SYD 3700, EDG 2701, HSC 3593, or see advisor for more options.

8. Foreign Language Requirements (0-8 hrs)

Admissions: Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

9. Departmental Exit Requirements (120 hrs)

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.

10. University Minimum Exit Requirements

- A UCF GPA of 2.0
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Related Programs: Criminal Justice, Psychology, Public Administration, Sociology.

Certificates: Aging Studies, Children's Services, Addictions.

Related Minors: Health Services Administration, Aging Studies, Psychology, Sociology, Non-Profit Management/American Humanics.

Honors in the Major Requirements

1. Complete a three-credit directed reading course/or a three-credit COHPA Interdisciplinary Honor course.
2. Complete a three-credit thesis course.
3. Earn a 3.5 GPA in your Social Work major.
4. Earn a cumulative 3.2 GPA in your total UCF courses.
5. Complete 60 hours of college credit, including 12 upper division hours at UCF.

Transfer Notes:

Community College Equivalent courses for prerequisites: any course in the following areas (3 hrs each)

American Government *or* American National Government
 Biology (Human Biology *or* Anatomy and Physiology)
 Economics (Microeconomics *or* Macroeconomics)
 Introductory Psychology
 Introductory Sociology
 Principles of Statistics

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

Tentative Course Schedule for Entering Freshmen

| | | | |
|-----------------------------|---------------|---------------------------------------|---------------|
| Freshman Year | | | |
| Fall | 14 hrs | Spring | 15 hrs |
| ENC 1101 | 3 | ENC 1102 | 3 |
| BSC 1005 | 3 | MGF 1106 | 3 |
| SYG 2000 <i>or</i> PSY 2012 | 3 | PSY 2012 <i>or</i> SYG 2000 | 3 |
| STA2014C | 3 | MUL 2010 <i>or</i> THE 2000 | 3 |
| PAF 2102 | 2 | <i>or</i> REL 2300 <i>or</i> PHI 2010 | |
| | | POS 2041 | 3 |

| | | | |
|--|------------------|---------------------------------------|------------------|
| Sophomore Year | | | |
| Fall | 15/16 hrs | Spring | 15/16 hrs |
| ECO 2013 <i>or</i> ECO 2023 | 3 | Foreign Lang II <i>or</i> | 3/4 |
| EUH 2000 <i>or</i> WOH 2012 <i>or</i> | 3 | Cult. Diversity | |
| HUM 2210 <i>or</i> AMH 2010 | | CHM 1020 <i>or</i> PSC 1121 <i>or</i> | 3 |
| | | AST 2002 | |
| SPC 1600 | 3 | Elective | 3 |
| SOW 2020 | 3 | EUH 2001 <i>or</i> | 3 |
| Foreign Lang I <i>or</i> Cult. Diversity | 3/4 | HUM 2230 <i>or</i> AMH 2020 | |
| | | Elective | 3 |

| | | | |
|-----------------------------|---------------|---------------|---------------|
| Junior Year | | | |
| Fall | 15 hrs | Spring | 15 hrs |
| SOW 3104 | 3 | SOW 3111 | 3 |
| SOW 3203 | 3 | SOW 3352 | 3 |
| SOW 3300 | 3 | SOW 3401 | 3 |
| SOW Elective | 3 | SOW 3620 | 3 |
| STA2014C <i>or</i> Elective | 3 | Elective | 3 |

| | | | |
|--------------------------------------|---------------|-----------------------------------|------------------|
| Senior Year | | | |
| Fall | 15 hrs | Spring | 12/16 hrs |
| SOW 4232 | 3 | SOW 4510 <i>or</i> | 9/5 |
| SOW 4341 | 3 | SOW 4941 (for part-time students) | |
| SOW 4343 | 3 | SOW 4522 | 3 |
| SOW 4431 | 3 | Elective | 1 |
| SOW 4730 | 3 | Elective | 3 |
| Elective | 3 | | |
| Summer (for part-time students only) | 15 hrs | | |
| SOW 4941 | 4 | | |

SOCIOLOGY (B.A.)

College of Sciences

Department of Sociology, PH 403, 407-823-3744

<http://sociology.ucf.edu/>

E-mail: sociology@ucf.edu

Contact: J. Corzine, 407-823-3744

The Sociology curriculum emphasizes critical examination of various components of society. The curriculum increases students' social awareness and their ability to employ a sociological perspective to interpret social institutions and behavior.

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 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.
- Students should consult annually with a departmental advisor
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)

| | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| 1. Prefer MAC 1105 (or higher) | 3 hrs |
| 2. Prefer STA 2014C | 3 hrs |
| D. Social Foundations | |
| 1. Select a listed course | 3 hrs |
| 2. Select SYG 2000 | 3 hrs |
| E. Science Foundations | 6 hrs |

2. Common Program Prerequisites (3 hrs)

| | | |
|---------------------------------------|-------------------|-------|
| SYG 2000* | General Sociology | GEP |
| Any SYA, SYD, SYG, SYO, or SYP course | | 3 hrs |

*See Transfer Notes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core requirements (15 hrs)

| | | |
|-----------|---------------------------------|-------|
| SYG 2000 | General Sociology (or SYG 2010) | GEP |
| SYA 3400 | Research Methods and Statistics | 4 hrs |
| SYA 4300C | Research Methods | 4 hrs |
| SYA 4450 | Data Analysis | 4 hrs |
| SYA 3110 | Development of Social Thought | 3 hrs |

4. Restricted Electives (27 hrs)

Select from the following

| | |
|-----------|---------------------------------------|
| SYA 3120 | Modern Sociological Thought |
| SYA 4650C | Applied Sociology |
| SYA 5625 | Proseminar |
| SYA 5652 | Advanced Population |
| SYD 3410 | Urban Sociology |
| SYD 3700 | Race & Ethnic Minorities in the US |
| SYD 3800 | Sex Roles in Modern Society |
| SYD 4020 | Population |
| SYD 4510 | Environmental Sociology |
| SYD 4810 | Women in Contemporary Society |
| SYD 4813 | Women and Social Policy |
| SYG 2010 | Social Problems |
| SYO 3000 | Modern Sociology |
| SYO 3360 | Social Organization & Human Relations |
| SYO 3410 | Sociology of Mental Illness |
| SYO 3530 | Social Stratification |
| SYO 4100 | Family Trends |
| SYO 4200 | Sociology of Religion |
| SYO 4250 | Sociology of Education |
| SYO 4300 | Political Sociology |
| SYO 4400 | Medical Sociology |
| SYP 3300 | Collective Behavior |
| SYP 3400 | Social Change |
| SYP 3510 | Sociology of Deviant Behavior |
| SYP 3511 | Sociology of Murder |
| SYP 3520 | Criminology |
| SYP 3530 | Juvenile Delinquency |
| SYP 3540 | Sociology of Law |
| SYP 3551 | Sociology of Alcoholism |
| SYP 3562 | Socio Perspect on Domestic Violence |
| SYP 3602 | Sociology of Popular Music |
| SYP 3630 | Sociology of Popular Culture |
| SYP 3650 | Sociology and Sport |
| SYP 4000 | Sociological Social Psychology |
| SYP 4004 | Constructing Social Issues |
| SYP 4514 | Sociology of Violence |
| SYP 4521 | Criminal Victimization in Society |
| SYP 4536 | Gangs and Society |
| SYP 4550 | Sociology of Drug Abuse |
| SYP 4730 | Sociology of Aging |
| SYP 4732 | Minority Aging |
| SYP 5525 | Sociological Criminology |

- Eligible students may enroll for three to 16 semester hours of Internship in SYA 3940, SYA 4941, or SYA 5944. Arrangements for internship are coordinated by the Department Undergraduate Coordinator and require prior approval.
- All special topics courses with the prefixes SYA, SYD, SYO, or SYP count toward the restricted electives requirement.

5. Departmental Exit Requirements

- A minimum GPA of 2.0 in all courses used for the major.
- A minimum grade of "C" (2.0) in all core courses.
- Computer Competency met by SYA 4450.
- Students will be required to take a standard exit exam.
- Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements (0-8 hrs)

Admission: Met by graduation requirement.

Graduation: Proficiency equivalent to one year of college instruction in either a foreign language, or three semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

7. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. These courses may be outside of the department.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required

120 hrs

Related Programs: Anthropology, Criminal Justice

Related Minors: African-American Studies, American Studies, Anthropology, Anthropology in Multicultural Studies, Asian Studies, Canadian Studies, Judaic Studies, Latin American Studies, Russian Area Studies, Sociology, and Women's Studies

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.
- SYG 2000*; although the CPP accepts any lower division sociology course, students should realize that SYG 2000 is a prerequisite for subsequent courses.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student \$15 per term
- Part-time Student \$7.50 per term

Suggested 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.

Summer

Take Math Placement Test - <http://mathplacement.sdes.ucf.edu/>

Freshman Year

| Fall | Spring | |
|----------------------------|--------|------------------------------|
| ENC 1101 Composition I | 3 | ENC 1102 Composition II |
| MAC 1105* req# 1C1-GEP | 3 | STA 2014C Prin of Statistics |
| SYG 2000 General Sociology | 3 | SYG 2010 Social Problems |
| SPN 1120C* req# Lang/Elect | 4 | Elective* Check restrictions |
| POS 2041* req# 1D1-GEP | 3 | SPN 1121C* req# Lang/Elect |

Sophomore Year

| | | | |
|------------------------------|--------------------------------|---|--|
| Fall | Spring | | |
| ANT 2511* req# 1E2-GEP | 3 COM 1000* req# 1A3-GEP | 3 | |
| EUH 2001* req# 1B1-GEP | 3 REL 2300* req# 1B2-GEP | 3 | |
| SYD 3700* req# 4-ResElect | 3 SYD 3410* req.#4 - Res elect | 4 | |
| Elective* Check restrictions | 3 SYD 3800* req# 4-ResElect | 3 | |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 | |

Junior Year

| | | | |
|---------------------------|-------------------------------|---|--|
| Fall | Spring | | |
| PSC 1121* req# 1E1-GEP | 3 PHI 2010* req# 1B3-GEP | 3 | |
| SYA 4300C Res Methods | 4 SYA 3110 The Dev of Soc Tht | 3 | |
| SYD 3410* req# 4-ResElect | 3 SYA 4450 Data Analysis | 4 | |
| SYA 3400 Res Meth & Stat | 4 SYO 4100* req# 4-ResElect | 3 | |
| | Elective* Check restrictions | 3 | |

Senior Year

| | | | |
|------------------------------|--------------------------------|---|--|
| Fall | Spring | | |
| SYA 3120* req# 4-ResElect | 3 SYP 3510* req# 4-ResElect | 3 | |
| SYO 3530* req# 4-ResElect | 3 SYP 3520* req# 4-ResElect | 3 | |
| Elective* Check restrictions | 3 SYP 4000* req# 4-ResElect | 3 | |
| Elective* Check restrictions | 3 Elective* Check restrictions | 3 | |
| Elective* Check restrictions | 3 | | |

SPANISH (B.A.)

College of Arts and Humanities

Department of Modern Languages & Literatures

CNH 523

<http://mll.cah.ucf.edu/>

E-Mail: forlang@mail.ucf.edu

Contact: P. Giordano, 407-823-2472

Admission Requirements

none

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. 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.

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

- 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 hours must be taken in Modern Language courses taught in Spanish
- Students must earn at least a "C" (2.0) in each upper division Spanish course
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major
- Students must see their departmental advisor to obtain proper counseling and have their schedule approved before registering for courses in their major
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program

(36 hrs)

| | |
|---|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| Prefer MGF 1106 Finite Mathematics | 3 hrs |
| (may substitute a higher level math) | |
| Prefer STA 1060C Statistics Using Excel | 3 hrs |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 6 hrs |

2. Common Program Prerequisites

(0-14 hrs)

| | | |
|------------|-----------------------------|-------|
| SPN 1120C* | Elem Spanish Lang & Civ I | 4 hrs |
| SPN 1121C* | Elem Spanish Lang & Civ II | 4 hrs |
| SPN 2200* | Interm Spanish Lang & Civ I | 3 hrs |
| SPN 3234 | Advanced Directed Readings | 3 hrs |

*May be met by proficiency test or completion of SPN 3234

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core requirements

(15 hrs)

| | | |
|-----------------|-------------------------------------|-------|
| SPN 3300* | Adv Spanish Gram and Comp | 3 hrs |
| SPN 3420* | Spanish Composition | 3 hrs |
| SPN 3760* | Adv Spanish Oral Comm | 3 hrs |
| SPW 3100 & 3101 | Survey of Spanish Literature | |
| <i>or</i> | <i>or</i> | 6 hrs |
| SPW 3130 & 3131 | Survey of Latin-American Literature | |

*A native or near-native Spanish speaker must substitute an alternate upper division Spanish course in consultation with a departmental advisor.

4. Upper Division Restricted Electives

(21 hrs)

- a. 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 | |
- b. Spanish literature beyond the survey level (taught in Spanish) 6 hrs
- c. Culture and Civilization 3 hrs
- | | | |
|----------|---------------------------------|--|
| SPN 4510 | Spanish Civ & Culture <i>or</i> | |
| SPN 4520 | Latin American Civ & Culture | |
- d. Spanish courses 9 hrs

5. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or higher in at least 36 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 CGS 1060C or equivalent

6. Foreign Language Requirements

(0-16 hrs)

Admission: Met by Graduation requirements.

Graduation: Met by Common Program Prerequisites.

7. Electives

(variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120 hrs

Related Programs: French, Modern Language Combination

Related Minors: French, Italian, Judaic Studies, Latin American Studies, Spanish

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.

UCF Degree Programs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Suggested 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 | | Spring | |
| ANT 2000* req# 1D2-GEP | 3 | ENC 1102 Composition II | 3 |
| ENC 1101 Composition I | 3 | STA 1060C* req# 1C2-GEP | 3 |
| MGF 1106* req# 1C1-GEP | 3 | SPN 1121C* req# 2-CPP | 4 |
| SPN 1120C* req# 2-CPP | 4 | Elective* Check restrictions | 4 |
| Elective* Check restrictions | 3 | | |

Sophomore Year

| | | | |
|------------------------|---|------------------------------|---|
| Fall | | Spring | |
| AMH 2010* req# 1B1-GEP | 3 | BSC 1005* req# 1E2-GEP | 3 |
| ARH 2050* req# 1B3-GEP | 3 | MUL 2010* req# 1B2-GEP | 3 |
| POS 2041* req# 1D1-GEP | 3 | COM 1000* req# 1A3-GEP | 3 |
| PSC 1121* req# 1E1-GEP | 3 | SPN3234 * req# 2-CPP | 3 |
| SPN 2200* req# 2-CPP | 3 | Elective* Check restrictions | 3 |

Junior Year

| | | | |
|------------------------------|---|------------------------------|---|
| Fall | | Spring | |
| SPN 3300 Adv Spa Gram Comp | 3 | SPW 3101* req# 3-Core | 3 |
| SPN 3420 Spanish Comp | 3 | SPN 4780* req# 4a-ResElec | 3 |
| SPN 3760 Adv Spa Oral Com | 3 | SPN 3141* req# 4d-ResElec | 3 |
| Elective* Check restrictions | 3 | Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 | Elective* Check restrictions | 3 |

Senior Year

| | | | |
|------------------------------|---|------------------------------|---|
| Fall | | Spring | |
| SPW 3100* req# 3-Core | 3 | SPW 3131* req# 4b-ResElec | 3 |
| SPN 4520* req# 4c-ResElec | 3 | SPW 4381* req# 4b-ResElec | 3 |
| SPN 5705* req# 4d-ResElec | 3 | SPN 4410* req# 4d-ResElec | 3 |
| Elective* Check restrictions | 3 | Elective* Check restrictions | 3 |
| Elective* Check restrictions | 3 | Elective* Check restrictions | 3 |

SPORTS AND FITNESS (B.S.)

College of Education

Department of Child, Family and Community Sciences ED 209

<http://pegasus.cc.ucf.edu/~sportfit/>

Program Coordinator: Dr. Debby Mitchell, ED 320H;

E-mail: mitchell@mail.ucf.edu

Admission Requirements

- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university; or the AS degree from the affiliated program at Lake Sumter Community College.
- Have a minimum 2.0 overall GPA.
- Meet the University CLAST or CLAST alternative criteria.
- Complete program prerequisite courses prior to admission to the major and upper level courses.

Degree Requirements

- Students should consult with an advisor on a regular basis. The courses designated in 1. (General Education), 2. (Sports and Fitness Lower Division), and 3. (Lower Division Electives) should be completed prior to admission to the major and upper division courses.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should see an advisor prior to selecting this major, and at least every semester thereafter.
- Students must earn at least a "C-" (1.75) in each required course and maintain an overall GPA of at least a 2.0.
- Prior to participation in Sports and Fitness Practicum I and Practicum II listed below, students must have achieved admission into one of the areas of specialization listed and described below.
- Students must meet with their advisor prior to enrollment in Sports and Fitness Practicum I and Practicum II to complete departmental application and approval process of the organization with which they will be working.

1. UCF General Education Program

(36+1 hrs)

| | |
|---|---------|
| A. Communication Foundation | (9 hrs) |
| 1. ENC 1101 English Composition I | 3 hrs |
| 2. ENC 1102 English Composition II | 3 hrs |
| 3. Prefer SPC 1600 Fundamentals of Oral Communication | 3 hrs |
| B. Cultural-Historical Foundation | (9 hrs) |
| 1. Prefer: AMH 2010 U.S. History 1492-1877 | 3 hrs |
| 2. Elective from GEP section B.2 | 3 hrs |
| 3. Prefer: AMH 2020 U.S. History 1877-present | 3 hrs |
| C. Mathematical Foundation | (6 hrs) |
| 1. Prefer: MGF 1106 Finite Mathematics | 3 hrs |
| 2. Prefer: STA 1060C Basic Statistics using MS Excel <i>or</i> STA 2014C Principles of Statistics | 3 hrs |
| D. Social Foundation | (6 hrs) |
| 1. Prefer: POS 2041 American National Government | 3 hrs |
| 2. Prefer: PSY 2012 General Psychology | 3 hrs |
| E. Science Foundation | (7 hrs) |
| 1. Prefer: PSC 1121 Physical Science | 3 hrs |
| 2. Select: BSC 2010C Biology I | 4 hrs |

2. Lower Division Electives

(13 hrs)

Students may select other electives but are advised to take the following courses to improve their preparation for their specialization. (Choose courses with prefixes: PEL, PEM, PEO, PET, DAE, HFT, EEX, EDF, EDG, HSC, HUN, CHM)

3. Sports and Fitness Pre-requisite Courses

(3 hrs)

| | | |
|----------|--|-------|
| PET 3137 | Concepts and Practices in Sports and Fitness | 3 hrs |
|----------|--|-------|

Note: Students who transfer from another institution may be permitted to take the prerequisite course, PET 3137-Concepts and Practices, concurrently with the remaining core classes in their first term of enrollment in the Sports and Fitness program."

4. Sports and Fitness Co-requisite Courses

(7 hrs)

| | | |
|-----------|-----------------------------|-------|
| PET 2622C | Human Injuries | 3 hrs |
| ZOO 3736C | Exercise Physiology Anatomy | 4 hrs |

Note: BSC 2093C and PET 2622C may be taken at a community college to meet UCF Sports and Fitness co-requisite requirements. BSC 2093C may substitute for ZOO 3736C if taken at a community college.

5. Sports & Fitness Core

(9 hrs)

| | | |
|----------|--|-------|
| SPM 3504 | Fiscal and Facilities Issues in Sports and Fitness | 3 hrs |
| PET 4401 | Administration & Evaluation in Physical Education | 3 hrs |
| SPM 4723 | Legal Issues in Sports and Fitness | 3 hrs |

6. Specialization

(33 hrs)

Select one Specialization and Electives – approved by advisor
Coaching

| | | |
|----------|--|-------|
| PET 3765 | Coaching Theory | 3 hrs |
| PET 3771 | Fitness and Conditioning Concepts | 3 hrs |
| PET 4215 | Motivational Aspects of Athletic Performance | 3 hrs |
| PET 4312 | Biomechanics | 3 hrs |
| PET 4763 | Coaching Methods and Principles | 3 hrs |
| SPM 3204 | Sports and Ethics | 3 hrs |
| SPM 3415 | Public Relations in Sports and Fitness | 3 hrs |

Coaching Specific Class

Select one (as approved by advisor) 3 hrs

| | | |
|---|---------------------|-------|
| PEO 2624 | Coaching Basketball | |
| PEO 3324 | Coaching Volleyball | |
| PEO 3644 | Coaching Football | |
| Select nine hours of electives (as approved by Advisor) | | 9 hrs |

Fitness Training

| | | |
|--|--|-------|
| PET 3361 | Nutrition for Sports and Fitness | 3 hrs |
| PET 3771 | Fitness and Conditioning Concepts | 3 hrs |
| PET 3768 | Group Exercise Instruction | 3 hrs |
| PET 4083 | Practical Fitness Training | 3 hrs |
| PET 4351C | Applied Exercise and Human Physiology | 3 hrs |
| PET 4550 | Fitness Assessment | 3 hrs |
| PET 4312 | Biomechanics | 3 hrs |
| PET 4215 | Motivational Aspects of Athletic Performance | 3 hrs |
| SPM 3415 | Public Relations in Sports and Fitness | 3 hrs |
| Select six hours of electives (as approved by Advisor) | | 6 hrs |

Physical Activity & Movement for Children

| | | |
|-----------|--------------------------------|-------|
| DAE 3370 | Dance and Rhythmics | 3 hrs |
| PEO 3041 | Games Analysis | 3 hrs |
| PET 3820 | Teaching Sports Skills I | 3 hrs |
| PET 4050C | Motor Development and Learning | 3 hrs |
| PET 4312 | Biomechanics | 3 hrs |

| | | |
|---|---------------------------------------|--------|
| PET 4351C | Applied Exercise and Human Physiology | 3 hrs |
| PET 4550 | Fitness Assessment | 3 hrs |
| Select twelve hours of electives (as approved by Advisor) | | 12 hrs |

Physical Human Performance

| | | |
|---|--|--------|
| PET 3361 | Nutrition for Sports and Fitness | 3 hrs |
| PET 3771 | Fitness and Conditioning Concepts | 3 hrs |
| PET 4215 | Motivational Aspects of Athletic Performance | 3 hrs |
| PET 4312 | Biomechanics | 3 hrs |
| PET 4351C | Applied Exercise and Human Physiology | 3 hrs |
| PET 4550 | Fitness Assessment | 3 hrs |
| PET 4625 | Human Injuries - Mechanisms and Prevention | 3 hrs |
| Select twelve hours of electives (as approved by Advisor) | | 12 hrs |

Recreation

| | | |
|---|--|-------|
| PEO 3041 | Games Analysis | 3 hrs |
| PET 3765 | Coaching Theory | 3 hrs |
| SPM 3130 | Aquatic Management | 3 hrs |
| PET 3771 | Fitness and Conditioning Concepts | 3 hrs |
| PET 3820 | Teaching Sports Skills I | 3 hrs |
| PET 4002 | Outdoor and Leisure Activities | 3 hrs |
| SPM 3204 | Sports and Ethics | 3 hrs |
| SPM 3415 | Public Relations in Sports and Fitness | 3 hrs |
| Select nine hours of electives (as approved by Advisor) | | 9 hrs |

Students must complete three certifications approved by advisor prior to graduation (these certifications will be determined in PET 3137-Concepts and Practices in Sports and Fitness course).

7. Sports & Fitness Practica (18 hrs)

| | | |
|----------|---------------------------------|--------|
| PET 4925 | Sports and Fitness Practicum I | 6 hrs |
| PET 4926 | Sports and Fitness Practicum II | 12 hrs |

During the final year of the program, students will complete Practicum requirements with a Sports or Fitness organization. These experiences will provide the student with actual professional experiences and practical hands-on knowledge of the career in which they have chosen to work. The design of Practicum I will be that of an observational and analytical role. During Practicum II, the student will be given responsibilities and assignments through the organization in which they have been placed and will carry an active role in the operation of the organization.

In both Practicum I and Practicum II, the student will be working directly with a Placement Coordinator in the organization and their University Supervisor. The University Supervisor will maintain periodic contact with the Placement Coordinator to check performance status. The Sports and Fitness program has developed tremendous opportunities through associations with partners in the Clermont and greater Orlando areas. Students will not be limited to these organizations. Students will have the option to arrange their own practicum experience if they so choose. In either case, before enrolling in either Practicum I or Practicum II, students must meet with their advisor to provide organization contact information and gain Practicum Placement Approval.

The students will be instructed that they will be representing not only themselves while on site during their Practicum experiences, but also the University of Central Florida and the Sports and Fitness Program. Professionalism in manner, dress and job performance will be expected at all times. Should there be any question of the performance of the students during their practicum experience, they will be required to meet with their University Supervisor and their Faculty Advisor for a performance evaluation before returning to the Practicum site. The performance concerns will be addressed and a plan of action will be developed. If the problems persist and the situation warrants, the students may be removed from their Practicum experience.

8. Foreign Language (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.)

9. Exit Requirements

- A minimum overall GPA of 2.5.
- 48 semester hours of upper division credit completed.
- 30 semester hours in regular courses completed at UCF.
- Complete three Specialization Certifications.
- Participation in event operations of a minimum of one major sports and fitness event.
- Successful completion of 18 hours of Practicum Experiences.

10. Total Program Semester Hours Required 120 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

11. Recommended Four-Year Sequence of Courses

| | | | |
|--------------------------------|-----------------|---------------------------------|-----------------|
| Freshman Year | | | |
| Fall | (12 hrs) | Spring | (16 hrs) |
| PSY 2012 General Psychology | 3 hrs | POS 2041 American National Gov | 3 hrs |
| ENC 1101 English Composition I | 3 hrs | BSC 2010C Biology I | 4 hrs |
| PSC 1121 Physical Science | 3 hrs | ENC 1102 English Composition II | 3 hrs |
| Elective | 3 hrs | MGF 1106 Finite Mathematics | 3 hrs |
| | | SPC 1600 Fund of Oral Comm | 3 hrs |

| | | | |
|--------------------------------------|-----------------|--|-----------------|
| Sophomore Year | | | |
| Fall | (14 hrs) | Spring | (15 hrs) |
| GEP B.1 | 3 hrs | PET 2622C Human Injuries | 3 hrs |
| STA 1060C Basic Stats using MS Excel | or 3 hrs | GEP B.1 | 3 hrs |
| STA 2014C Principles of Statistics | or | PET 3137 Concepts & Prac in Sports & Fit | 3 hrs |
| CGS 1060C Intro to Computer Sci | | Elective | 3 hrs |
| ZOO 3736C Human Anatomy with Lab | 4 hrs | Elective | 3 hrs |
| Elective | 4 hrs | | |
| Summer | (6 hrs) | | |
| GEP B.2 | 3 hrs | | |
| Elective | 3 hrs | | |

| | | | |
|---------------------------------------|-----------------|-----------------------|-----------------|
| Junior Year | | | |
| Fall | (12 hrs) | Spring | (15 hrs) |
| SPM 4723 Legal Issues in Sports & Fit | 3 hrs | Specialization course | 3 hrs |
| PET 4401 Administration & Evaluation | 3 hrs | Specialization course | 3 hrs |
| SPM 3504 Fiscal and Facilities | 3 hrs | Specialization course | 3 hrs |
| Specialization course | 3 hrs | Specialization course | 3 hrs |
| | | Specialization course | 3 hrs |

| | |
|-----------------------|----------------|
| Summer | (3 hrs) |
| Specialization course | 3 hrs |

| | | | |
|-----------------------------------|-----------------|------------------------------------|-----------------|
| Senior Year | | | |
| Fall | (15 hrs) | Spring | (12 hrs) |
| PET 4925 Sports & Fit Practicum I | 6 hrs | PET 4926 Sports & Fit Practicum II | 12 hrs |
| Specialization course | 3 hrs | | |
| Specialization course | 3 hrs | | |
| Specialization course | 3 hrs | | |

STATISTICS (B.S.)

College of Sciences
Department of Statistics and Actuarial Science
CC II 212, 407-823-2289

<http://www.cos.ucf.edu/statistics>

E-mail: statistics@ucf.edu

Contact: Xiaogang Su, 407-823-2940

Admission Requirements none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- All statistics courses except STA 2023, STA 3032, and those protected by Florida Common Course Numbering must be taken from, or approved by the Statistics Department at UCF.
- Departmental Residency Requirement: at least 15 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Statistics and Actuarial Science Department.
- Students must earn at least a "C" (2.0) in each STA course.
- 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) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 +3 hrs)

Note: Certain courses must be selected in the GEP for this major bringing the total hours to more than 36.

| | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |

UCF Degree Programs

- C. Mathematical Foundations 7 hrs
 Select MAC 2311
 Select STA 2023
 D. Social Foundations 6 hrs
 E. Science Foundations 8 hrs
 Select PHY 2053C *or* CHM 2045C*
 Select BSC 2010C
 *CHM 2040C plus CHM 2041C can substitute for CHM 2045C

- 2. Common Program Prerequisites (7 hrs)**
 COP 3502C* Computer Science I 3 hrs
 MAC 2311 Calculus with Analy Geo I GEP
 MAC 2312 Calculus with Analy Geo II 4 hrs
 BSC 2010C* Biology I GEP

*See Transfer Notes for possible substitutes
 See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

- 3. Core requirements (51 hrs)**
 STA 2023 Statistical Methods I GEP
 STA 4102 Computer Process of Stat Data 3 hrs
 STA 4163 Statistical Methods II 3 hrs
 STA 4164 Statistical Methods III 3 hrs
 STA 4321 Statistical Theory I 3 hrs
 STA 4322 Statistical Theory II 3 hrs
 COT 4500 Numerical Calculus 3 hrs
 MAC 2313 Calculus with Analy Geo III 4 hrs
 ENC 3241 Writing for the Tech Professional 3 hrs
 CHM 2045C *or* PHY 2053C GEP
 COP 3223* Intro to Programming in C* 3 hrs

*May substitute an approved programming language course

- a. Select one course 4 hrs
 MAS 3106 Linear Algebra
 MAS 3105 Linear and Matrix Algebra
 b. Select one course 3 hrs
 COT 3100C Introduction to Discrete Structure
 MHF 3302 Logic and Proof in Mathematics
 c. Select three from among the following: 9 hrs
 STA 3096 Statistical Graphics
 STA 4173 Biostatistical Methods
 STA 4222 Sample Survey Methods
 STA 4502 Nonparametric Stat Methods
 STA 4504 Categorical Data Analysis
 STA 4664 Statistical Quality Control
 STA 4852 Applied Time Series
 d. Select a third science course and associated lab 4 hrs
 BSC 2011C Biology II (PR: BSC 2010C)
 CHM 2045C* Chemistry Fundamentals I (if not taken in GEP)
 CHM 2046 & 2046L Chemistry Fundamentals II & Lab (PR: CHM 2045C)
 PHY 2053C College Physics I (if not taken in GEP)
 PHY 2054C College Physics II (PR: PHY 2053C)

*CHM 2040C plus CHM 2041C can substitute for CHM 2045C

- e. Select one course 3 hrs
 Select any science course from the College of Arts & Humanities or the College of Sciences or any 3000-4000 level science course from either the College of Health & Public Affairs or the Burnett School of Biomedical Sciences

- 4. Restricted Electives (6 hrs)**
 ■ Select from upper division or graduate statistics (e.g., STA 5205, STA 5825), mathematics, or computer science courses
 ■ Selected courses in engineering or business may be used but must first be approved by the Statistics and Actuarial Science Department
 ■ The following cannot be used: MAC 2233, MAC 2253, MAC 2254, all MAE courses, and MHF 4404

- 5. 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.
 ■ Computer Competency met by STA 4102.
 ■ Before applying to graduate, the CLAST must be completely satisfied.

- 6. Foreign Language Requirements (0-8 hrs)**
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

- 7. Electives (variable)**
 Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

- 8. University Minimum Exit Requirements**
 ■ A 2.0 UCF GPA
 ■ 60 semester hours earned after CLEP awarded
 ■ 48 semester hours of upper division credit completed (Note: Statistics majors may count MAC 2313 as upper division credit.)
 ■ 30 of the last 36 hours of course work must be completed in residency at UCF
 ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
 ■ Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Mathematics, Mathematics Education, Actuarial Science Track

Related Minors: Statistics, Mathematics

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 common program prerequisites if taken prior to transferring to UCF:

- COP 3502C: any COP programming language course. However, COP 3502C is a prerequisite for Computer Sciences courses and may need to be taken.
- BSC 2010C: any laboratory BSC, CHM, or PHY course. However this is a prerequisite for BSC 2011C and will need to be taken.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Suggested 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.

Summer

Take Math Placement Test - <http://mathplacement.sdes.ucf.edu/>

Freshman Year

| Fall | Spring | |
|--------------------------|-----------------------------|---|
| BSC 2010C Biology I | ENC 1102 Composition II | 3 |
| ENC 1101 Composition I | PHY 2053C College Physics I | 4 |
| MAC 2311 Calc Anal Geo I | STA 2023 Stat Methods I | 3 |
| MUL 2010* req# 1B2-GEP | MAC 2312 Calc Anal Geo II | 4 |

Sophomore Year

| Fall | Spring | |
|----------------------------|------------------------------|---|
| AMH 2010* req# 1B1-GEP | COP 3223 Intro to Prog C | 3 |
| ARH 2050* req# 1B3-GEP | STA 4164 Stat Methods III | 3 |
| POS 2041* req# 1D1-GEP | MAS 3105* req# 3a-Core | 4 |
| MAC 2313 Calc Anal Geo III | PHY 2054C College Physics II | 4 |
| STA 4163 Stat Methods II | | 3 |

Junior Year

| Fall | Spring | |
|------------------------------|------------------------------|---|
| COP 3502C Computer Science I | ENC 3241 Wr the Tech Prof | 3 |
| STA 4321 Stat Theory I | STA 4322 Stat Theory II | 3 |
| COT 3100C* req# 3b-Core | STA 4222* req# 3c-Core | 3 |
| STA 4664* req# 3c-Core | BSC 2011C* req# 3e-Core | 4 |
| STA 4183* req# 4-ResEle | Elective* Check restrictions | 4 |

Senior Year

| Fall | Spring | |
|------------------------------|------------------------------|---|
| COT 4500 Numerical Calculus | PSY 2012* req# 1D2-GEP | 3 |
| STA 4102 Comp Oroc of Stat | SPC 1016* req# 1A3-GEP | 3 |
| STA 4502* req# 3c-Core | Elective* Check restrictions | 3 |
| STA 4130* req# 4-ResEle | Elective* Check restrictions | 3 |
| Elective* Check restrictions | Elective* Check restrictions | 3 |
| Take SOA EXAM | | |

TECHNICAL EDUCATION AND INDUSTRY TRAINING (B.S.)

College of Education

Department of Teaching and Learning Principles, ED 209

<http://reach.ucf.edu/~technical/>

Program Coordinator: Dr. Jo Ann M. Whiteman, ED 115D, 407-823-2848 or 407-325-6293; E-mail: jwhitema@mail.ucf.edu

This program offers upper division courses via the World Wide Web. Students must complete all University-wide graduation requirements (general education, foreign language, CLAST, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see <http://distrib.ucf.edu/home>.

Admission Requirements

- Complete the University General Education requirements or its equivalent, (i.e. an AA degree from an approved Florida community college or state university)
- Have a minimum 2.5 overall GPA
- Meet the University CLAST or CLAST alternative criteria
- Complete prerequisite courses
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement

Degree Requirements

- Students should consult with an Education advisor prior to registration.

This degree is for students in adult Technical Education and Industry Training. Some students are full-time or part-time teachers in the public school sector, including middle schools, high schools, adult technical centers and community colleges. Some serve as technical education teachers with the Department of Corrections. Other program participants are retired military personnel who were technicians or trainers and now wish to become teachers or industry-specific trainers. All students have set a common goal of attaining a bachelor's degree in an area that draws upon their experiences, interests, and expertise. This degree does not lead to initial teacher certification at the state level.

1. UCF General Education Program* (36 hrs)

- A. Communication Foundation (9 hrs)
- 1. ENC 1101 English Composition I 3 hrs
 - 2. ENC 1102 English Composition II 3 hrs
 - 3. Prefer SPC 1600 Fundamentals of Oral Communication 3 hrs
- B. Cultural-Historical Foundation 9 hrs
- C. Mathematical Foundation 6 hrs
- D. Social Foundation 6 hrs
- E. Science Foundation 6 hrs

2. Common Program Prerequisites (9 hrs)

- EDF 2005 Introduction to Education 3 hrs
- EDG 2701 Teaching Diverse Populations 3 hrs
- EME 2040 Technology for Educators 3 hrs

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Program Core Requirements (27 hrs)

- EVT 3365 Gen Method/Test Eval 3 hrs
- EVT 3062 Professional Role Voc Ed Teacher 3 hrs
- EVT 3502 Special Needs Voc Ed Students 3 hrs
- EVT 4065 Princip/Prac Technical Ed 3 hrs
- EVT 4368 Adv Teaching/Techniques in Voc Ed 3 hrs
- EVT 3367 Eval Vocation Training 3 hrs
- EVT 4169 Curr Dev of Ind Training 3 hrs
- ADE 4382 Teaching Adult Learners 3 hrs
- Select one:
 - EVT 3312 Course Const Health Occ Ed *or* 3 hrs
 - EVT 3371 Course Const Industrial Ed *or*
 - BTE 4410 Course Const Business Ed

4. Technical Specialization Requirements (30 hrs)

Students must complete an area of 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. Upper Division Electives (6 hrs)
(with advisor's approval)

6. 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.

7. Foreign Language Requirements (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.)

8. Departmental Exit Requirements*

- Achieve a minimum 2.5 GPA in all courses within the major.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

10. Total Program Semester Hours Required: 120 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

11. Recommended Sequence of Program Courses:

Freshman Year

| | |
|--|---|
| Fall (15 hrs) | Spring (15 hrs) |
| ENC 1101 English Composition I 3 | ENC 1102 English Composition II 3 |
| MGF 1106 Finite Mathematics 3 | Select one: |
| SPC 1600 Fund of Oral Comm 3 | STA 1060C Basic Stat MS Excel <i>or</i> 3 |
| Cultural-Historical Foundations Course 3 | STA 2014C Principles of Statistics |
| Social Foundations Course 3 | Cultural-Historical Found Course 3 |
| | Cultural-Historical Found Course 3 |
| | Social Foundations Course 3 |

Sophomore Year

| | |
|---|-----------------------------------|
| Fall (12 or 16 hrs) | Spring (12 or 16 hrs) |
| EDF 2005 Introduction to Education 3 | EDG 2701 Teaching Diverse Pop 3 |
| EME 2040 Technology for Educators 3 | Science Foundations Course 3 |
| Science Foundations Course 3 | Technical Specialization Course 3 |
| Technical Specialization Course 3 | Technical Specialization Course 3 |
| Foreign Lang Course (if needed) 4 | Foreign Lang Course (if needed) 4 |
| Summer (6 hrs) | |
| EVT 3502 Special Needs Voc Ed Studen 3 | |
| Select one: 3 | |
| EVT 3312 Course Const Health Occ Ed <i>or</i> | |
| EVT 3371 Course Const Industrial Ed | |

Junior Year

| | |
|--------------------------------------|-------------------------------------|
| Fall (15 hrs) | Spring (15 hrs) |
| EVT 3365 Gen Method/Test Eval 3 | EVT 3062 Prof Role Voc Ed Teacher 3 |
| Technical Specialization Course 3 | EVT 3367 Eval Vocation Training 3 |
| Technical Specialization Course 3 | Technical Specialization Course 3 |
| Technical Specialization Course 3 | Technical Specialization Course 3 |
| Technical Specialization Course 3 | Technical Specialization Course 3 |
| Summer (6 hrs) | |
| EVT 4065 Princip/Prac Technical Ed 3 | |
| EVT 4169 Curr Dev of Ind Training 3 | |

Senior Year

| | |
|-------------------------------------|-----------------|
| Fall (12 hrs) | Spring (12 hrs) |
| ADE 4382 Teaching Adult Learners 3 | EVT 4941 12 |
| EVT 4368 Adv Teach/Tech in Voc Ed 3 | |
| Upper Division Elective 3 | |
| Upper Division Elective 3 | |

It is highly recommended that students seeking State certification pass the GKT. See advisor for further details.

UCF Degree Programs

THEATRE (B.F.A.)

College of Arts and Humanities

Department of Theatre, UTC 180, 407-823-2862

<http://www.theatre.ucf.edu>

Acting: Be Boyd, 407-823-0872, E-mail: bbboyd@mail.ucf.edu
Design & Technology and Stage Management: Bert Scott, 407-823-3636, E-mail: hscott@mail.ucf.edu

The Bachelor of Fine Arts Degree is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. It provides the student with a very structured and intensive career preparation in either Acting, Stage Management, or Design and Technology. This 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 and 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> for details and for information on scheduling an appointment.
- All Acting students must submit a resume, black and white head shot, three letters of recommendation, and transcripts of previous college work at the time of audition.
- All Design and Technology and Stage Management students must submit a resume, black and white photo, 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 March 1. Students may request a scholarship application prior to their audition/interview by contacting the Area Coordinator, or they may complete the application at their audition/interview.
- The BFA plan of study requires a fall start for proper course sequencing. Students are not accepted to begin in the Spring or Summer semesters.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF Conservatory Theatre Production.
- Students must maintain a minimum "B" (3.0) overall Theatre GPA to continue in the major
- Theatre grades of less than "C" (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than "C" (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted.

- Continuation in the BFA program requires positive BFA reviews by the faculty
- 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 and Technology and Stage Management majors (including transfers) must participate in at least 5 productions in addition to their Stagecraft I and II Labs. At least two participation credits must be as a department head, stage manager, assistant stage manager, designer, or other high-level production role. The other three credits can be a combination of shop assignments, run crew, front of house, or department head. Stage Management majors can use performance assignments for participation assignments.
- All BFA acting majors are required to audition for all Fall and Spring productions and must accept the roles assigned.
- Due to the conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the BFA program is not designed for transfer students, transfer students may audition and be admitted, but they should consult with the Theatre Department's Undergraduate Coordinator to evaluate their transfer credits and to determine 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 and 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.
- Design and 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 handbook.
- Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- Courses designated 1 (General Education Program) are taken throughout all four years.

| | |
|--|-----------------|
| 1. UCF General Education Program | (36 hrs) |
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | |
| Select one course from 1.B.1 list | 3 hrs |
| Select THE 2020 Survey of Theatre for Majors | 3 hrs |
| Design and Technology Students - Select ARH 2051 (History of Western Art II) | 3 hrs |
| C. Mathematical Foundations | |
| Select MGF 1106 Finite Mathematics (may substitute a higher level math) | 3 hrs |
| Select STA 1060C Statistics Using Excel | 3 hrs |

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|--|---|--|---|---------|
| D. Social Foundations | 6 hrs | TPA 4293L | Theatre Participation - Production II (1 credit course, must be taken twice) | 2 hrs |
| E. Science Foundations | 6 hrs | TPA 2000C | Theatre Design Basics | 3 hrs |
| 2. Common Program Prerequisites | (18 hrs) | TPA 2071C | Theatre Rendering | 3 hrs |
| THE 2020* | Survey of Theatre for majors | TPA 2010C | Scenography | 3 hrs |
| THE 2304* | Script Analysis | THE 4284 | Costume, Architecture, Decor History I | 3 hrs |
| THE 2090L | Theatre Participation - Management I | THE 4285 | Costume, Architecture, Decor History II | 3 hrs |
| TPA 2290L | Theatre Participation - Production I | TPA 3077C | Scene Painting <i>or</i> | 2 hrs |
| TPP 2190L | Theatre Participation - Performance I | TPA 3383C | Topics in Technical Theatre | |
| TPP 3310C* | Directing I | TPA 3195L | Summer Theatre Studio/Tech/Design I | 3 hrs |
| TPP 2110C | Acting I - Introduction | TPA 3197L | Summer Theatre Studio/Tech/Design II | 3 hrs |
| TPA 2210 | Stagecraft I <i>or</i> | TPA 2230C | Costume Construction | 3 hrs |
| TPA 2201 | Technical Theatre Production <i>and</i> | TPA 4250C | CADD for Theatre | 2 hrs |
| TPA 2201L | Technical Theatre Production LAB | TPA 4251C | Advanced CADD for Theatre | 2 hrs |
| *Plus an additional 3 hours of THE, TPA, or TPP courses. See Specialization | | | | |
| *See Transfer Notes for possible substitutes. | | | | |
| See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information. | | | | |
| 3. Core Requirements | (9 hrs) | TPA 4941 | Theatre Internship | 6 hrs |
| THE 3311 | Theatre History and Dramatic Literature I | TPA 4401C | Theatre Careers in Production | 3 hrs |
| THE 3312 | Theatre History and Dramatic Literature II | Design Electives | (see list of courses) | 9 hrs |
| THE 3313 | Theatre History and Dramatic Literature III | Restricted electives | (see list of courses) | 11 hrs |
| 4A. Specialization: select one area | (66 hrs) | 4B. Restricted Electives | | |
| Acting Specialization | | (except where required by a specialization - see specializations for credit hours) | | |
| TPA 2201 | Technical Theatre Production | Chosen from the following | | |
| TPA 2201L | Technical Theatre Production LAB | THE 3230 | Cultural Diversity in Theatre | 3 hrs |
| TPP 2170C | Acting II - The Actor Prepares | THE 4093L | Theatre Participation - Management II | 1 hr |
| TPA 2248C | Makeup Techniques | THE 3240 | Musical Theatre Survey | 3 hrs |
| DAA 2200C | Ballet I | THE 5307 | Contemporary Theatre | 3 hrs |
| TPP 2710C | Voice Production I | TPA 3077C | Scene Painting | 2 hrs |
| TPP 3172C | Acting III - Building the Character | TPA 3383C | Topics in Technical Theatre | 2 hrs |
| TPP 3510C | Movement for the Actor I | TPA 3060C | Scene Design for Theatre I | 3 hrs |
| TPP 3513C | Movement for the Actor II | TPA 4061C | Scene Design for Theatre II | 3 hrs |
| TPP 3512C | Stage Combat | TPA 3040C | Costume Design for Theatre I | 3 hrs |
| TPP 3257C | Music Theatre Voice I | TPA 3221C | Lighting Design for Theatre I | 3 hrs |
| TPP 3258C | Musical Theatre Voice II | TPA 3260C | Sound Design for Theatre I | 3 hrs |
| TPP 3711C | Voice Production II | TPA 4041C | Costume Design for Theatre II | 3 hrs |
| TPP 3712C | Voice Production III | TPA 4224C | Lighting Design for Theatre II | 3 hrs |
| TPP 3730C | Voice Production IV | TPA 4264C | Sound Design for Theatre II | 3 hrs |
| TPP 4140C | Acting IV - Creating the Role | TPA 4384C | Advanced Topics in Technical Theatre | 3 hrs |
| TPP 4142C | Acting V - Verse | TPA 3195L | Summer Theatre Studio/Tech/Design I | 3 hrs |
| TPP 4265C | Acting VI for TV/Film | TPA 3197L | Summer Theatre Studio/Tech/Design II | 3 hrs |
| TPP 4531C | Period Movement | TPA 2600 | Stage Management Basics | 3 hrs |
| TPP 4940L | Theatre Internship | TPA 3601 | Stage Management | 3 hrs |
| TPP4268 | Acting VII for TV/Film | TPA 4400 | Theatre Management | 3 hrs |
| TPP 4221 | Auditioning | TPA 4293L | Theatre Participation - Production II | 1 hr |
| TPP 4223C | Theatre Careers for Performance | TPP 3197L | Summer Theatre Performance | 3 hrs |
| DAA 2570C | Jazz Dance I <i>or</i> | TPP 3952L | Summer Studio Performance | 3 hrs |
| DAA 2100C | Modern Dance I | TPP 4268C | Acting VII for TV/Film | 3 hrs |
| TPA 4293L - <i>or</i> - THE 4093L - <i>or</i> - TPP 4193L | | THE 4284 | Costume, Architecture, Decor History I | 3 hrs |
| Restricted electives (see list of courses) | 15 hrs | THE 4285 | Costume, Architecture, Decor History II | 3 hrs |
| Stage Management Specialization | | TPP 4143C | Acting Styles | 3 hrs |
| TPA 2210 | Stagecraft I | ARH 2050 | History of Western Art I | 3 hrs |
| TPA 2210L | Stagecraft I LAB | TPA 2248C | Makeup Technique | 2 hrs |
| TPA 2211 | Stagecraft II | THE 2025* | Introduction to Theatrical Design | 3 hrs |
| TPA 2211L | Stagecraft II LAB | TPP 4311C* | Advanced Directing | 3 hrs |
| TPA 4293L | Theatre Participation - Production II | TPP 4193L | Theatre Participation - Performance II | 1 hr |
| THE 4093L | Theatre Participation - Management II | THE 3905* | Independent Study | 1-9 hrs |
| TPA 4400 | Theatre Management | DAA 3905* | Independent Study | 1-9 hrs |
| TPP 2170C | Acting II - The Actor Prepares | THE 4954C | Theatre Capstone | 3 hrs |
| TPA 2000C | Theatre Design Basics | THE 4912* | Undergraduate Research | 3-6 hrs |
| TPA 2010C | Scenography | DAA 4912* | Undergraduate Research | 3-6 hrs |
| TPA 2220C | Stage Electronics | Honors in the Major Directed Readings and Thesis* | | 3-6 hrs |
| TPA 2600 | Stage Management Basics | *Other THE, TPA, TPP, DAA or DAN courses as approved by the department requires instructor and departmental approval in advance | | |
| TPA 3601 | Stage Management | 4C. Design Electives (for Design & Technology Specialization) | | |
| TPA 4602 | Advanced Stage Management | Select at least two level one courses and one level two course | | |
| TPA 3221C | Lighting Design for Theatre I <i>or</i> | TPA 3060C | Scene Design for Theatre I | 3 hrs |
| TPA 3260C | Sound Design for Theatre I | TPA 3040C | Costume Design for Theatre I | 3 hrs |
| TPA 3195L | Summer Theatre Studio/Tech/Design I | TPA 3221C | Lighting Design for Theatre I | 3 hrs |
| TPA 3197L | Summer Theatre Studio/Tech/Design II | TPA 3260C | Sound Design for Theatre I | 3 hrs |
| THE 4284 | Costume, Architecture, Decor History I | TPA 4061C | Scene Design for Theatre II | 3 hrs |
| THE 4285 | Costume, Architecture, Decor History II | TPA 4041C | Costume Design for Theatre II | 3 hrs |
| TPP 4940 | Theatre Internship | TPA 4224C | Lighting Design for Theatre II | 3 hrs |
| TPA 4401C | Theatre Careers for Tech/Management | TPA 4264C | Sound Design for Theatre II | 3 hrs |
| TPA 4250C | CADD for Theatre | TPA 4384C | Advanced Topics in Technical Theatre | 3 hrs |
| Restricted electives (see list of courses) | 12 hrs | 5. Departmental Exit Requirements | | |
| Design and Technology Specialization | | <ul style="list-style-type: none"> ■ Earn a grade of "C" (2.0) or better in each Theatre course ■ Maintain a 'B' Theatre GPA (3.0) or better ■ 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, Exit Interview and Audit Check the semester prior to final semester of theatre classes. | | |
| ARH 2051 | Art History II | | | |
| TPA 2210 | Stagecraft I | | | |
| TPA 2210L | Stagecraft I LAB | | | |
| TPA 2211 | Stagecraft II | | | |
| TPA 2211L | Stagecraft II LAB | | | |
| TPA 2220C | Stage Electronics | | | |

UCF Degree Programs

- 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 or computer science course

6. Foreign Language Requirements (0-8 hrs)

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

7. Electives (variable)

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 129 hrs

Related Programs: Art, Film, Music, Theatre Studies BA

Related Minors: Art, Music, Film, Theatre, Dance

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 common program prerequisites if taken prior to transferring to UCF:

- THE 2020: may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
- THE 2304: may use THE 2300
- TPA 2210: may use TPA 2210 or TPA 2201
- TPA 2201: may use TPA 2210 or TPA 2200
- TPP 3310C: may use TPP 2300

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 Fee

- Full-time Student\$90 per term
- Part-time Student\$45 per term

THEATRE - MUSICAL THEATRE TRACK (B.F.A.)

College of Arts and Humanities

Department of Theatre, UTC 180, 407-823-2862

<http://www.theatre.ucf.edu>

Contact: Earl Weaver, 407-823-3638, E-mail: eweaver@mail.ucf.edu

The Bachelor of Fine Arts Track in Musical Theatre serves those students interested in a career on the musical theatre stage. It is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre.

Because of its geographic location, UCF is a top choice for students interested in musical theatre. Walt Disney World, Universal Studios, and the budding expansion of the arts in Central Florida make it necessary for students to receive advanced studies in acting, musical theatre voice, and dance.

Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students, coordinating production experience with classroom exploration.

Admission Requirements

- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become majors via an interview and audition. For complete information, contact the Department of Theatre or visit the audition site online at <http://www.theatre.ucf.edu>.
- A candidate must present an audition consisting of one monologue and two musical selections. The entire audition should last no more than three minutes. An accompanist will be provided. Recorded accompaniment is not accepted. Candidates must also participate in a dance audition and complete a Music Skills Evaluation Survey. Visit <http://www.theatre.ucf.edu> for details.
- All students must submit a resume, black and white 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 March 1. Students may request a scholarship application prior to their audition by contacting the Area Coordinator, or they may complete the application at their audition.
- The Musical Theatre plan of study requires a fall start for proper course sequencing. Students are not accepted to begin in the Spring or Summer semesters.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF Conservatory Theatre Production.
- Students must maintain a minimum "B" (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than "C" (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than "C" (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program.
- Continuation in the BFA program requires a positive annual BFA Review.
- Co-op cannot be used in this major.
- Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department
- Prior to graduation, all BFA Musical Theatre majors must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, and one must be a front of house position. The fourth assignment may be in any production area.
- All BFA Musical Theatre majors are required to audition for all Fall and Spring productions and must accept the roles assigned.
- Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designed for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer

credits and to determine 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 handbook.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- Courses designated 1 (General Education Program) are taken throughout all four years.

| | |
|--|-----------------|
| 1. UCF General Education Program | (36 hrs) |
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | |
| Select one course from 1.B.1 list | 3 hrs |
| Select THE 2020 | 3 hrs |
| Select one course from 1.B.1 <i>or</i> 1.B.2 list | 3 hrs |
| C. Mathematical Foundations | |
| Prefer MGF 1106 (may substitute a higher level math) | 3 hrs |
| Prefer STA 1060C | 3 hrs |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 6 hrs |

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| 2. Common Program Prerequisites | (18 hrs) | |
| THE 2020* | Survey of Theatre for majors | GEP |
| THE 2304* | Script Analysis | 3 hrs |
| THE 2090L | Theatre Participation - Management I | 1 hr |
| TPA 2290L | Theatre Participation - Production I | 1 hr |
| TPP 2190L | Theatre Participation - Performance I | 1 hr |
| TPA 2201* | Technical Theatre Production | 2 hrs |
| TPA 2201L | Technical Theatre Production Lab | 1 hr |
| TPP 3310C * | Directing I | 3 hrs |
| TPP 2110C | Acting I - Introduction | 3 hrs |
| TPP 2170C | Acting II - The Actor Prepares | 3 hrs |

*See Transfer Notes for possible substitutes.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

| | | |
|--|----------------------------------|-------|
| 3. Specialization: Lower Division | (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 | Make-up Techniques | 2 hrs |

| | | |
|---|-------------------------------------|-------|
| 4. Specialization: Upper Division | (51 hrs) | |
| TPP 3172C | Acting III - Building the Character | 3 hrs |
| TPP 4140C | Acting IV - Creating the Role | 3 hrs |
| TPP 3250 | Musical Theatre Acting Perf I | 3 hrs |
| TPP 3252 | Musical Theatre Acting Perf II | 3 hrs |
| TPP 4XXX | Musical Theatre Acting Perf III | 3 hrs |
| THE 4244 | Musical Theatre History I | 3 hrs |
| THE 4245 | Musical Theatre History II | 3 hrs |
| TPP 4223C | Theatre Careers for Performance | 3 hrs |
| THE 3311 | Theatre History and Dram. Lit I | 3 hrs |
| THE 3312 | Theatre History and Dram. Lit II | 3 hrs |
| TPA 4293L - <i>or</i> - THE 4093L - <i>or</i> - TPP 4193L | | 1 hr |
| 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 4270C | Musical Theatre Voice V | 2 hrs |
| TPP 4271C | Musical Theatre Voice VI | 2 hrs |
| TPP 4746C | Musical Theatre Voice VII | 2 hrs |
| TPP 4940L | Theatre Internship | 6 hrs |

| | | |
|--|-----------------|-------|
| 4A. Movement Electives | (2 hrs) | |
| TPP 4531C | Period Movement | 2 hrs |
| <i>or</i> | | |
| TPP 3512C | Stage Combat | 2 hrs |
| Any DAA or DAN courses not already required and with departmental approval | | |

| | | |
|---|---|---------|
| 4B. Restricted Electives | (2 hrs) | |
| Chosen from the following | | |
| DAN 3134 | Dance History I | 3 hrs |
| DAA 3612 | Dance Improvisation/Composition I | 3 hrs |
| DAA 2100C | Modern Dance I | 2 hrs |
| DAA 3684 | Dance Performance | 1 hr |
| DAA 3502C | Jazz Dance III | 2 hrs |
| DAA 2521C | Tap Dance II | 2 hrs |
| DAA 3524C | Tap Dance III | 2 hrs |
| DAA 3208C | Ballet III | 2 hrs |
| DAA 2101C | Modern Dance II | 2 hrs |
| DAA 3108C | Modern Dance III | 2 hrs |
| DAA 2393C | World Dance | 2 hrs |
| DAA 3645 | Choreography Practicum | 2 hrs |
| DAA 3684 | Dance Performance | 1 hr |
| TPP 3730C | Voice Production IV | 2 hrs |
| TPP 4142C | Acting V - Verse | 3 hrs |
| TPP 4265C | Acting VI - Acting for TV/Film | 3 hrs |
| TPP 4268C | Acting VII for TV/Film | 3 hrs |
| THE 3230 | Cultural Diversity in Theatre | 3 hrs |
| THE 5307* | Contemporary Theatre | 3 hrs |
| TPA 3195L | Summer Theatre Studio/Tech/Design I | 3 hrs |
| TPA 3197L | Summer Theatre Studio/Tech/Design II | 3 hrs |
| TPP 3197L | Summer Theatre/Performance | 3 hrs |
| TPP 3952L | Summer Studio Performance | 3 hrs |
| TPP 4143C | Acting Styles | 3 hrs |
| TPA 2600* | Stage Management Basics | 3 hrs |
| TPA 4400 | Theatre Management | 3 hrs |
| THE 4284 | Costume, Architecture, Decor History I | 3 hrs |
| THE 4285 | Costume, Architecture, Decor History II | 3 hrs |
| TPP 4221 | Auditioning | 3 hrs |
| THE 3313 | Theatre History and Dramatic Literature III | 3 hrs |
| THE 3905* | Independent Study | 1-9 hrs |
| TPP 4311C* | Advanced Directing | 3 hrs |
| THE 4093L | Theatre Participation - Management II | 1 hr |
| TPA 4293L | Theatre Participation - Production II | 1 hr |
| TPP 4193L | Theatre Participation - Performance II | 1 hr |
| THE 4912* | Undergraduate Research | 3-6 hrs |
| Honors in the Major Directed Readings and Thesis* | | |
| 3-6 hrs | | |

*Other THE, TPA, TPP, DAA or DAN courses not already required and as approved by the department requires instructor and departmental approval in advance

- 5. 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
 - 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, Exit Interview, and Audit Check the semester prior to final semester of theatre classes
 - Minimum of 60 theatre credits must be completed in residency at UCF
 - Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
 - Computer Competency met by STA 1060C or computer science course

6. Foreign Language Requirements (0-8 hrs)
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

7. Electives (variable)

- 8. University Minimum Exit Requirements**
- A 2.0 UCF GPA
 - 60 semester hours earned after CLEP awarded
 - 48 semester hours of upper division credit completed
 - 30 of the last 36 hours of course work must be completed in residency at UCF
 - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
 - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

UCF Degree Programs

Total Semester Hours Required

129 hrs

Related Programs: Film, Music, Theatre Studies BA

Related Minors: Music, Film, Theatre, Dance

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 common program prerequisites if taken prior to transferring to UCF:

- THE 2020: may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
- THE 2304: may use THE 2300
- THE 2304: may use THE 2300
- TPA 2201: may use TPA 2210 or TPA 2200
- TPP 3310C: may use TPP 2300

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$90 per term
- Part-time Student\$45 per term

THEATRE STUDIES (B.A.)

College of Arts and Humanities

Department of Theatre, UTC 180, 407-823-2862

<http://www.theatre.ucf.edu>

Contact: John Shafer, 407-823-0871, E-mail: jwshafer@mail.ucf.edu

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 the audition site online at <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

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.
- Co-op credit cannot be used in this major
- Students must consult with a departmental advisor each semester before registering. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions.

- Departmental Residency Requirement consists of at least 30 semester hours of courses taken from the UCF Theatre Department
- All BA Theatre Studies students must register for three semesters of Theatre Participation in addition to the Technical Theatre Production Lab. One Participation credit must be as part of a run crew. One Participation credit must be as part of a Front of House crew. The third required Participation credit can be in either performance, shop assignments, run crews or Front of House.
- All 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 handbook.
- 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 in 1 (General Education Program) are usually completed in the first 90 hours
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (36 hrs)

- A. Communication Foundations 9 hrs
- B. Cultural and Historical Foundations 9 hrs
 - Select one course from 1.B.1 list 3 hrs
 - Select THE 2020 Survey of Theatre for Majors 3 hrs
 - Select one course from 1.B.1 or 1.B.2 list 3 hrs
- C. Mathematical Foundations 6 hrs
 - Prefer MGF 1106 Finite Mathematics (may substitute a higher level math) 3 hrs
 - Prefer STA 1060C Statistics Using Excel 3 hrs
- D. Social Foundations 6 hrs
- E. Science Foundations 6 hrs

2. Common Program Prerequisites (18 hrs)

- THE 2020* Survey of Theatre for majors 3 hrs
- THE 2304 Script Analysis 3 hrs
- THE 2090L Theatre Participation - Management I 1 hr
- TPA 2290L Theatre Participation - Production I 1 hr
- TPP 2190L Theatre Participation - Performance I 1 hr
- TPA 2201* Technical Theatre Production 2 hrs
- TPA 2201L Technical Theatre Production Lab 1 hr
- TPP 3310C* Directing I 3 hrs
- TPP 2700C Stage Voice/Speech 3 hrs
- TPP 2101* Fundamentals of Acting 3 hrs

*See Transfer Notes for possible substitutes
See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core requirements (9 hrs)

- THE 3311 Theatre History/ & Dram. Lit. I 3 hrs
- THE 3312 Theatre History/ & Dram. Lit. II 3 hrs
- THE 3313 Theatre History & Dram. Lit. III 3 hrs

4. Restricted Electives (19 hrs)

- Select 19 hours from the following
- THE 3230 Cultural Diversity in Theatre 3 hrs
 - THE 3082 Theatre Careers 3 hrs
 - TPP 4143C Acting Styles 3 hrs
 - TPP 3264C Acting on Camera 3 hrs
 - THE 2025 Intro to Theatrical Design 3 hrs
 - TPP 4221* Auditioning 3 hrs
 - THE 3240 Musical Theatre Survey 3 hrs
 - THE 4093L* Theatre Participation-Management II 1 hr
 - TPA 4293L* Theatre Participation-Production II 1 hr
 - TPP 4193L* Theatre Participation-Performance II 1 hr
 - THE 5307* Contemporary Theatre 3 hrs
 - TPA 2248C* Makeup Technique 2 hrs
 - THE 4284 Costume, Architecture, Decor History I 3 hrs
 - THE 4285 Costume, Architecture, Decor History II 3 hrs
 - TPA 3195L Summer Theatre Studio/Tech/Design I 3 hrs
 - TPA 3197L Summer Theatre Studio/Tech/Design II 3 hrs
 - TPA 2600* Stage Management Basics 3 hrs
 - TPA 4400 Theatre Management 3 hrs
 - TPP 3103 Intermediate Acting 3 hrs

| | | |
|--|----------------------------|----------|
| TPP 3197L | Summer Theatre/Performance | 3 hrs |
| TPP 3952L | Summer Studio Performance | 3 hrs |
| TPP 4311C* | Advanced Directing | 3 hrs |
| Any DAA or DAN courses with instructor and departmental approval | | 2-8 hrs |
| THE 3930* | Independent Study | 1-12 hrs |
| THE 4912* | Undergraduate Research | 3-6 hrs |
| Honors in the Major Directed Readings and Thesis* | | 3-6 hrs |

*Other THE, TPA, or TPP courses as approved by the department requires departmental approval in advance

5. 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
- Computer Competency met by STA 1060C or Computer Science Course
- Minimum of 30 theatre credits must be completed in residency at UCF

6. Foreign Language Requirements (0-8 hrs)

Admission: 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.

7. Required Minor (18 hours minimum)

Theatre 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.

8. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Art, Film, Music, Theatre BFA

Related Minors: Art, Music, Film, Theatre, Dance

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 common program prerequisites if taken prior to transferring to UCF:

- THE 2020: may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
- THE 2304 (Script Analysis): may use THE 2300 or THE 3305
- TPA 2201: may use TPA 2210 or TPA 2200
- TPP 3310C: may use TPP 2300
- TPP 2101: may use any introductory acting course

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$90 per term
- Part-time Student\$45 per term



MINORS AND CERTIFICATES

Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student's baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed.

A student may declare a minor up to but no later than the submission of the "Intent to Graduate Form." 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
Aerospace Studies
African-American Studies
Aging Studies
American Sign Language and Deaf Studies
American Studies
Anthropology
Anthropology in Multicultural Studies
Art History
Art - Studio
Asian Studies
Astronomy
Bioengineering
Biology
Business
Chemistry
Coaching
Cognitive Sciences
Communication Sciences & Disorders
Community Arts - PAVE
Computer Science
Criminal Justice
Dance
Digital Media
Early Childhood Education
Economics
Education
Emergency Management & Homeland Security
Engineering Leadership
English - Creative Writing
English - Linguistics
English - Literature
English - Technical Writing and Editing
English - Writing
English Language Arts Education
Entrepreneurship
Environmental Studies
European Studies
Exceptional Education
Film - Cinema Studies
Finance
Fitness Training
French
German
Health Information Management
Health Sciences
Health Services Administration
History
Hospitality Management
Humanities
Information Technology
Intelligent Robot Systems - Interdisciplinary
Interdisciplinary Informatics Technology
International and Global Studies
International Business
International Engineering
Interpersonal/Organizational Communication
Italian
Judaic Studies
Latin American Area Studies
Legal Studies
Magazine Journalism
Management Information Systems
Marketing
Mass Communication

Mathematics
Mathematics Education
Medieval and Renaissance Studies
Middle Eastern Studies
Military Science
Molecular Biology and Microbiology
Music
Nonprofit Management/American Humanics
National Certification Program
North American Indian Studies
Operations Management/Enterprise Systems
Philosophy
Philosophy, Religion and Popular Culture
Physics
Political Science
Political Science/Prelaw
Psychology
Public Administration
Real Estate
Recreation
Religious Studies
Science Education
Secure Computing and Networks
Social Science Education
Social Sciences - Interdisciplinary
Sociology
Space Studies
Spanish
Sport Business Management
Statistics
Technical Education and Industry Training
Technological Entrepreneurship
Technology and Society
Theatre
Urban and Regional Planning
Women's Studies
World Comparative Studies

Certificates

Addictions Certificate
Aging Studies Certificate
American Sign Language Certificate
Behavioral Forensics Certificate
Children's Services Certificate
Crime Analysis and Crime Mapping Certificate
Crime Scene Investigation Certificate
Criminal Profiling Certificate
Cultural Tourism Certificate
Educational Studies Certificate
Finance: Banking Certificate
Finance: Corporate Finance Certificate
Finance: Investments Certificate
Judaic Studies Certificate
Language Development and Disorders Certificate
Marketing: Selling and Sales Management Certificate
Marketing: Retailing Management Certificate
Marketing: e-Marketing Certificate
Marketing: Sport Marketing Management Certificate
Marketing: Healthcare Marketing Certificate
Marketing: Services Marketing Certificate
Marketing: Entertainment Marketing Certificate
Nonprofit Management Certificate
Real Estate: Real Estate Brokerage Certificate
Real Estate: Real Estate Appraisal Certificate
Real Estate: Mortgage Brokerage Certificate
Security Management Certificate
Service-Learning Certificate
Substitute Teaching Certificate
Translation and Interpretation Certificate
Victim Advocacy Certificate
Women's Studies Certificate

Additional UCF Programs

Study Abroad Programs:

Australia
Austria
Costa Rica
England
France
Germany
Honduras
Ireland
Italy
Japan
Netherlands
Russia
Scotland
Spain
Sweden
Switzerland

ACCOUNTING:
Minor for Business and Non-Business Majors
College of Business Administration
School of Accounting, BA 437, (407) 823-2871

Credit Hour Requirements **21 hrs**
Required Courses **(9 hrs)**

| | | |
|----------|-------------------------------------|-------|
| ACG 2021 | Principles of Financial Accounting | 3 hrs |
| ACG 2071 | Principles of Managerial Accounting | 3 hrs |

Select one of the following (may not be counted as an elective if selected as a required course):

| | | |
|----------|--|-------|
| ACG 3131 | Financial Accounting Concepts and Analysis | 3 hrs |
| ACG 3361 | Intermediate Managerial Accounting | 3 hrs |

Restricted Electives **(12 hrs)**
 Select four from the following (at least two courses must have either an ACG or TAX prefix)

| | | |
|-----------|--|-------|
| ACG 3131 | Financial Accounting Concepts and Analysis | 3 hrs |
| ACG 3361 | Intermediate Managerial Accounting | 3 hrs |
| ACG 3141 | Intermediate Financial Accounting | 3 hrs |
| ACG 3501 | Accounting and Auditing in the Public Sector | 3 hrs |
| ACG 4401C | Accounting Information Systems | 3 hrs |
| ACG 4651 | Auditing | 3 hrs |
| ACG 4932 | Approved Special Topics Courses in Accounting | 3 hrs |
| TAX 4001 | Taxation of Business Entities and Transactions | 3 hrs |
| FIN 3414 | Intermediate Corporate Finance | 3 hrs |
| FIN 4453 | Financial Models | 3 hrs |
| ISM 3253 | MIS Techniques | 3 hrs |
| ISM4212 | Database Management Systems | 3 hrs |

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at 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.

AEROSPACE STUDIES: Minor
College of Engineering and Computer Science
Air Force ROTC, TR 501 103
Contact: Col. William G. Palmbly, 407-823-1247

Credit Hour Requirements **16 hrs**
Required Courses **(16 hr)**

| | | |
|-----------|---|-------|
| AFR 1101C | The Air Force Today I | 1 hr |
| AFR 1111C | The Air Force Today II | 1 hr |
| AFR 2130C | The Development of Air Power I | 1 hr |
| AFR 2131C | The Development of Air Power II | 1 hr |
| AFR 3220C | Air Force Leadership and Management I | 3 hrs |
| AFR 3230C | Air Force Leadership and Management II | 3 hrs |
| AFR 4201C | Nat Scrty Affairs & Prep for Active Duty I | 3 hrs |
| AFR 4210C | Nat Scrty Affairs & Prep for Active Duty II | 3 hrs |

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

AFRICAN-AMERICAN STUDIES: Minor
College of Arts and Humanities
African American Studies Program, CNH 201G
<http://www.cah.ucf.edu/aas/>
Contact: 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.

Credit hour Requirements **18 hrs**
Required Courses **(6 hrs)**

| | | |
|----------|---------------------------------|-------|
| AFA 3104 | The African American Experience | 3 hrs |
| AMH 3571 | Black American History I | 3 hrs |

Restricted Electives **(12 hrs)**

| | | |
|----------|---|--|
| AFA 3102 | Introductory Perspectives on African American Studies | |
| AFA 2300 | African American Music | |
| AFA 3955 | Study Abroad in the Caribbean | |
| AMH 3572 | Black American History II | |
| AML 3614 | Topics in African-American Literature | |
| AML 3615 | Harlem, Haiti, & Havana | |
| ARH 3520 | African Art | |
| INR 3253 | International Politics of Africa | |
| FIL 3831 | Black Cinema | |
| LAH 3470 | History of the Caribbean | |
| LAS 4023 | Afr Caribbean Experience | |
| LIT 3192 | Caribbean Literature | |
| MUL 2016 | Evolution of Jazz | |
| POS 4622 | Politics & Civil Rights | |
| PUP 3314 | Minorities in American Politics | |
| SOP 3724 | The Psychology of Racial Prejudice | |
| SYD 3700 | Race and Ethnic Minorities in the U.S. | |

Additional courses may be used only with the prior permission of the program Director.

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without the approval of the program coordinator.

AGING STUDIES: Minor
College of Health and Public Affairs
School of Social Work, HPA 204
E-mail: socialwk@mail.ucf.edu
BSW Coordinator: HPA 204, 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 as well as non-degree seeking students. This minor prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful. The minor may be completed as a fully web-based program. A required internship, along with course options that include service-learning activities, complements the web-based course of study.

Credit Hour Requirements **18 hrs**
Required Courses **(3 hrs)**

| | | |
|----------|---|-------|
| GEY 3001 | Gerontology: Interdisciplinary Overview | 3 hrs |
|----------|---|-------|

Required Internship: 120 hours

Select one:

| | | |
|--------------------------------|---|-------|
| SOW 4510 <i>or</i> SOW 4941 | Field Education (for full-time students) <i>or</i> Field Education (for part-time students over two semesters) | 9 hrs |
| HSA 4941 | Internship | 3 hrs |
| PSY 3951 | Internship | 3 hrs |
| SYP 4941 | Internship | 3 hrs |

Minors

Electives (12 hrs)

Students select **four** additional courses from the following: A maximum of **two** courses in their College and at least **two** courses must be outside their college.

College of Health and Public Affairs

| | | |
|----------|----------------------------------|-------|
| HSA 4220 | Long Term Care | 3 hrs |
| HSA 3222 | Long Term Administration | 3 hrs |
| HSC 4564 | Health Care Needs of the Elderly | 3 hrs |
| NUR 4286 | Gerontologic Nursing | 3 hrs |
| PLA 4530 | Legal Issues of the Elderly | 3 hrs |
| SOW 4645 | Social Services for the Elderly | 3 hrs |

Other Colleges

| | | |
|-----------|---------------------|-------|
| DEP 3464 | Psychology of Aging | 3 hrs |
| SYP 4730 | Sociology of Aging | 3 hrs |
| GEY 5007* | Women and Aging | 3 hrs |
| LIT 3930 | Literature of Aging | 3 hrs |
| SYP 4732 | Minority Aging | 3 hrs |

*Open to undergraduates with senior standing

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor
- Grades 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 SIGN LANGUAGE AND DEAF STUDIES: Minor

College of Health and Public Affairs

Department of Communication Sciences and Disorders, HPA2, Suite 101

<http://www.cohpa.ucf.edu/comdis>

Undergraduate Program Director: Jamie B. Schwartz, 407-823-4798, E-mail: jschwartz@mail.ucf.edu

The American Sign Language and Deaf Studies Minor addresses a growing interest in Deaf culture in the United States. Through the minor students not only acquire a non-Indo European, second language that they may use to communicate with the Deaf community, but they also discover a rich and complex cultural group. The minor is available to students in all disciplines who would find it a useful addition to their major, in particular those majoring in liberal studies, education, criminal justice, health professions, social work, psychology, sociology, and interpersonal and organizational communication. Additionally, a minor in American Sign Language and Deaf Studies will serve as a valuable confirmation for employers and graduate schools of a student's specialized knowledge and as a foundation for future study in interpreter or deaf education.

Credit Hour Requirements 22 hrs

Required Courses

| | | |
|----------|--|-------|
| ASL 2510 | Issues in Deafness | 3 hrs |
| ASL 2140 | Introduction to American Sign Language | 4 hrs |
| ASL 2150 | Intermediate American Sign Language | 4 hrs |
| ASL 4161 | American Sign Language III | 4 hrs |
| ASL 4201 | American Sign Language IV | 4 hrs |
| SPA 4634 | Educational Implications of Deafness | 3 hrs |

Other Requirements

- A minimum of "C-" (1.75) is required in each course.
- Students must earn an overall GPA of 2.0 in courses used to complete the minor.
- At least 12 hours used in the minor must be earned at UCF with the Department of Communication Sciences and Disorders.
- No credit by exam (TSD, Military credit), Internship or Independent Study credit may be used toward the minor.

AMERICAN STUDIES: Minor College of Arts and Humanities

<http://www.cah.ucf.edu>

Contact: Lyman Brodie, CAH 190, 407-823-2292, E-mail: lbrodie@mail.ucf.edu

Credit Hour Requirements Required Courses

21 hrs
(9 hrs)

Select one course in each of the three categories below

Literature and Humanities

| | |
|----------|------------------------------|
| AML 3031 | American Literature I |
| AML 4101 | American Novel |
| AML 4261 | Literature of the South |
| AML 3682 | Ethnic Literature in America |

Social Sciences

| | |
|----------|--|
| POS 3413 | The American Presidency |
| POT 3204 | American Political Thought |
| SYD 3700 | Race and Ethnic Minorities in the U.S. |
| SYP 3630 | Sociology of Popular Culture |

History

| | |
|----------|------------------------------------|
| AMH 3561 | Women in American History I |
| AMH 4110 | Colonial America, 1607-1763 |
| AMH 4130 | The Age of the American Revolution |
| AMH 4311 | American Culture I |
| AMH 4313 | American Culture II |

Restricted Electives

(12 hrs)

A list can be obtained by meeting with an advisor to plan your course of study.

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.

ANTHROPOLOGY: Minor

College of Sciences

Department of Anthropology, PH 309

<http://www.cos.ucf.edu/anthropology>

E-mail: anthropology@ucf.edu

Contact: A. Chase, 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.

Credit Hour Requirements

18 hrs

A. Concentration in General Anthropology

The following 2000 level courses must be taken (12 hrs)

| | |
|----------|-------------------------------------|
| ANT 2000 | General Anthropology |
| ANT 2100 | Archaeology & Rise of Human Culture |
| ANT 2410 | Cultural Anthropology |
| ANT 2511 | The Human Species |

Select two upper level (3000-5000) courses in Anthropology (6 hrs)

B. Concentration in Archaeology

The following 2000 level courses must be taken: (6 hrs)

| | |
|----------|-------------------------------------|
| ANT 2000 | General Anthropology |
| ANT 2100 | Archaeology & Rise of Human Culture |

Select from the following (12 hrs)

| | |
|-----------|---|
| ANT 4101 | Archaeological Sciences (or ANG 5100) |
| ANT 3158 | Florida Archaeology |
| ANT 3115 | Archaeological Method and Theory |
| ANT 3142 | Old World Prehistory |
| ANT 3145 | Archaeology of Complex Societies |
| ANT 3163 | Mesoamerican Archaeology |
| ANT 3164 | Ancient Incas |
| ANT 3168 | Maya Archaeology (or ANG 6168) |
| ANT 4184 | Mortuary Archaeology (or ANG 5741) |
| ANT 3358 | Life and Death in Ancient Egypt |
| ANT 4144 | Prehistory of North America |
| ANT 4153 | North American Archaeology |
| ANT 4180C | Seminar in Laboratory Analysis (or three 1 hr labs) |
| ANT 4824 | Advanced Archaeological Field Work |

| | |
|----------|--------------------------|
| ANG 5165 | Maya Field Research |
| ANG 5166 | Problems of Maya Studies |
| ANG 5167 | Maya Hieroglyphs |
| ANG 5228 | Maya Iconography |

C. Concentration in Physical Anthropology

The following 2000 level courses must be taken: (6 hrs)

| | |
|----------|----------------------|
| ANT 2000 | General Anthropology |
| ANT 2511 | The Human Species |

Take four of the following courses: (12 hrs)

| | |
|-----------|--|
| ANT 4184 | Mortuary Archaeology (or ANG 5741) |
| ANT 4467 | Nutritional Anthropology (or ANG 5467) |
| ANT 3541 | Biobehavioral Anthropology |
| ANT 3550 | Primatology |
| ANT 4521C | Forensic Anthropology |
| ANT 4462 | Medical Anthropology |
| ANT 4516 | Human Biological Diversity |
| ANT 4525C | Human Osteology |
| ANT 4528C | Advanced Forensic Anthropology |
| ANT 4586 | Human Origins |
| ANG 5742 | Problems in Forensic Anthropology |

D. Concentration in Cultural Anthropology

The following 2000 level courses must be taken: (6 hrs)

| | |
|----------|-----------------------|
| ANT 2000 | General Anthropology |
| ANT 2410 | Cultural Anthropology |

Take four of the following courses: (12 hrs)

| | |
|----------|--|
| ANT 3212 | Peoples of the World |
| ANT 3241 | Magic, Ritual, and Belief |
| ANT 3245 | Native American Religions |
| ANT 3262 | Rural Society |
| ANT 3273 | Law and Culture |
| ANT 3302 | Sex, Gender and Culture |
| ANT 3311 | Indians of the SE US |
| ANT 3312 | Ethnology of North Amer Indians |
| ANT 3313 | Indians of N Amer High Plains |
| ANT 3314 | Indians of the Northeast Woodlands |
| ANT 3316 | Black/Seminole Relations |
| ANT 3318 | Indians of the Northwest Coast |
| ANT 3320 | Indians of the Southwest |
| ANT 3164 | Ancient Incas |
| ANT 4332 | Peoples and Culture of Latin America (or ANG 5307) |
| ANT 4438 | Anthropology of Tourism (or ANG 5437) |
| ANT 3701 | Applied Anthropology |
| ANT 4702 | Culture, Power, and Development (or ANG 5272) |
| ANT 4802 | Ethnographic Field Methods |
| ANT 3363 | Anthropology of Japan |
| ANT 3640 | Language and Culture (or ANG 5620) |
| ANT 4340 | Caribbean Cultures (or ANG 5341) |
| ANT 3319 | The Anthropology of Diaspora |
| ANT 4034 | History of Anthropological Thought |
| ANT 4266 | Economic Anthropology |
| ANT 4308 | Gender Issues in Latin America |
| ANT 4352 | African Societies and Cultures |
| ANT 4354 | Postcolonial Africa |
| ANG 5167 | Maya Hieroglyphs |
| ANG 5228 | Maya Iconography |
| ANG 5622 | Language, Culture, and Pedagogy |
| ANG 6324 | Contemporary Maya |

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 department
- 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, PH 309
<http://www.cos.ucf.edu/anthropology>
 E-mail: anthropology@ucf.edu
 Contact: A. Chase 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.

Credit Hour Requirements

18 hrs

Required Course

(3 hrs)

Select one of the following:

| | |
|----------|-----------------------|
| ANT 2000 | General Anthropology |
| ANT 2410 | Cultural Anthropology |

Restricted Electives

(15 hrs)

Select five of the following. Substitutions require prior consent of the Anthropology Coordinator.

| | |
|----------|--|
| ANT 3164 | Ancient Incas |
| ANT 3212 | Peoples of the World |
| ANT 3241 | Magic, Ritual, and Belief |
| ANT 3245 | Native American Religions |
| ANT 3302 | Sex, Gender and Culture |
| ANT 3312 | Ethnology of North Amer Indians |
| ANT 4332 | People and Cultures of Latin America (or ANG 5307) |
| ANT 3640 | Language and Culture (or ANG 5620) |
| ANT 4340 | Caribbean Cultures (or ANG 5341) |
| ANT 3316 | Black/Seminole Relations |
| ANT 3319 | The Anthropology of Diaspora |
| ANT 3541 | Biobehavioral Anthropology |
| ANT 4438 | Anthropology of Tourism (or ANG 5437) |
| ANT 4467 | Nutritional Anthropology (or ANG 5467) |
| ANT 3701 | Applied Anthropology |
| ANT 4702 | Culture, Power, and Development (or ANG 5272) |
| ANT 4266 | Economic Anthropology |
| ANT 4308 | Gender Issues in Latin America |
| ANT 4516 | Human Biological Diversity |
| SYD 3700 | Race and Ethnic Minorities in the US |

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 department.
- No credit by exam (TSD, Military credit) may be used.
- Not open to Anthropology majors.

ART HISTORY: Minor

College of Arts and Humanities
 Art Department, VAB 117
<http://www.art.ucf.edu/>
 Contact: J. Chavda, 407-823-2676

The Art Department 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 Department courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Credit Hour Requirements

27 hours

Required Courses

(15 hrs)

| | | |
|----------|-------------------------|-------|
| ARH 2050 | The History of Art I | 3 hrs |
| ARH 2051 | The History of 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

(3 hrs)

Select from the following:

| | |
|----------|-------------------|
| ARH 4545 | Art of India |
| ARH 3520 | African Art |
| ARH 4655 | Meso American Art |

Restricted Elective:

(3 hrs)

| | |
|----------|---|
| ARH 4350 | Baroque Art |
| ARH 4200 | Medieval Art |
| ARH 4892 | Women in Art |
| ARH 4800 | Theory and Criticism of the Visual Arts |

6 hours of electives

(6 hrs)

Two additional ARH 3XXX-4XXX courses

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least two of the required courses must be regularly scheduled 3000- 4000 level courses in a single area of specialization in the Art Department.
- 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.

Minors

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ART - STUDIO: Minor

College of Arts and Humanities

Art Department, VAB 117

<http://www.art.ucf.edu/>

Contact: J. Chavda, 407-823-2676

Credit Hour Requirements

Required Courses

| | | |
|-----------|---------------------------|-------|
| ARH 2050 | History of Western Art I | 3 hrs |
| ARH 2051 | History of Western Art II | 3 hrs |
| ART 2201C | Design Fundamentals 2-D | 3 hrs |
| ART 2203C | Design Fundamentals 3-D | 3 hrs |
| ART 2300C | Drawing Fundamentals I | 3 hrs |
| ART 2301C | Drawing Fundamentals II | 3 hrs |

**24 hrs
(18 hrs)**

Restricted Upper Division Courses

(6 hrs)

Six semester hours of studio art in one area of specialization at the 3000-4000 level

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 department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ASIAN STUDIES: Minor

College of Arts and Humanities

<http://www.cah.ucf.edu/>

Contact: P. 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.

Credit Hour Requirements

Required Course

| | |
|----------|------------------|
| HUM 3401 | Asian Humanities |
|----------|------------------|

**21 hours
(3 hrs)**

Restricted Electives

Approved courses (see department for listing)

(18 hrs)

Foreign Language Requirement

One year or the equivalent proficiency examination. Students taking foreign language classes must complete at least six hours in the sequence chosen (e.g. Chinese, Japanese).

(0-8 hrs)

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, MAP 310

E-mail: physics@ucf.edu

Contact: Humberto Campins, 407-823-2325

Not open to Physics majors with an Astronomy specialization

Credit Hour Requirements

20 hrs

Required Course

| | | |
|-----------|--------------------------------------|-------|
| PHY 2048 | Physics for Engineers & Scientists I | 3 hrs |
| AST 2002 | Astronomy | 3 hrs |
| AST 3722C | Tech of Observational Astronomy | 3 hrs |
| AST 3110 | Solar System Astronomy | 3 hrs |
| AST 3211 | Stellar Astrophysics | 3 hrs |
| AST 3402 | Galaxies and Cosmology | 3 hrs |

Restricted Electives

(2 hrs)

Select either:

| | | | |
|-----------|--|-----|-------|
| PHY 2049 | Physics for Engineers & Scientists II | or | 3 hrs |
| PHY 2048L | Physics for Engineers and Scientists I Lab | and | 1 hr |
| AST 2002L | Astronomy Lab | | 1 hr |

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

BIOENGINEERING: Minor

College of Engineering and Computer Science

CECS Academic Affairs Office, ENGR 107

Contact: Engineering track - Alain Kassab, 407-823-5778,

E-mail: kassab@mail.ucf.edu;

Computer Science track - Charles Hughes, 407-823-2762,

E-mail: ceh@cs.ucf.edu

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 Pre-Health Professions Advisement office housed in the College of Medicine Burnett School of Biomedical Sciences. Contact Dr. Genaro Lopez; HPA I 124; 407-823-2670; Email: galopez@mail.ucf.edu. **The minor constitutes up to: (a) for the engineering track 24 hours of coursework over the requirements for a bachelor of science degree in an engineering discipline at UCF, and (b) a minimum 19 hours of coursework over the requirements for a bachelors of science degree in computer science at UCF.**

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. In order to remain in the program students must maintain a UCF Undergraduate GPA 3.5. Grade forgiveness may be used for this purpose. Candidates should contact the Associate Dean for Academic Affairs (Dr. Jamal Nayfeh) for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

I. Engineering Track

Credit Hour Requirements

41 hrs

Required Courses

(35 hrs)

| | | |
|------------|---|----------|
| PHY 2048 | Physics for Engineers and Scientists | 3 hrs* |
| PHY 2048 L | Physics Laboratory for Engineers and Scientists | 1 hr* |
| PHY 2049 | Physics for Engineers and Scientists II | 3 hrs* |
| PHY 2049 L | Physics Lab for Engineers and Scientists II | 1 hr* |
| 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 hrs*** |

| | | |
|-----------|----------------------------------|----------|
| CHM 2210 | Organic Chemistry I | 3 hrs*** |
| CHM 2211L | Organic Laboratory Techniques I | 2 hrs |
| CHM 2211 | Organic Chemistry II | 3 hrs |
| CHM 2210 | Organic Laboratory Techniques II | 2 hrs |
| EGN 4941 | Externship | 1 hr |

Recommended Courses (6 hrs)

| | | |
|---|----------------------------|--------|
| Engineering specific list (choose one from the following) | | |
| EMA 5584 | Biomaterials | 3 hrs* |
| EML 5760 | Biofluid Mechanics | 3 hrs* |
| EEE 5272 | Biomedical Sensors | 3 hrs* |
| EES 4111C | Biological Process Control | 3 hrs* |
| EIN 5248C | Ergonomics | 3 hrs* |

| | | |
|--|---------------------------------|-------|
| General science list (choose one from the following) | | |
| CAP 5512 | Evolutionary Computation | 3 hrs |
| BCH 4053 | Biochemistry I | 3 hrs |
| BSC 3403C | Quantitative Biological Methods | 4 hrs |
| BSC 5418 | Tissue Engineering | 3 hrs |
| MCB 3020C | General Microbiology | 5 hrs |
| PCB 3522 | Molecular Biology I | 3 hrs |
| PCB 3703C | Human Physiology | 4 hrs |
| ZOO 3733C | Human Anatomy | 4 hrs |
| ZOO 3744 | Neurobiology | 3 hrs |
| PCB 3063 | Genetics | 3 hrs |

* These courses are included in the degree requirements for the bachelors of science degree in engineering.

** In addition to the identified courses above, this course is included in the degree requirements for the bachelors of science in civil engineering.

*** In addition to the identified courses above, these courses are included in the degree requirements for the bachelors of science in environmental engineering

II Computer Science Track

Credit Hour Requirements 41 hrs

Required Courses (35 hrs)

| | | |
|------------|---|--------|
| PHY 2048 | Physics for Engineers and Scientists | 3 hrs* |
| PHY 2048 L | Physics Laboratory for Engineers and Scientists | 1 hrs* |
| PHY 2049 | Physics for Engineers and Scientists II | 3 hrs* |
| PHY 2049 L | Physics Lab for Engineers and Scientists II | 1 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 hrs |
| CHM 2210 | Organic Chemistry I | 3 hrs |
| CHM 2211L | Organic Laboratory Techniques I | 2 hrs |
| CHM 2211 | Organic Chemistry II | 3 hrs |
| CHM 2210 | Organic Laboratory Techniques II | 2 hrs |
| EGN 4941 | Externship | 1 hr |

Recommended Courses (6 hrs)

| | | |
|--|--|--------|
| Computer science specific list (choose one from the following) | | |
| CAP 5512 | Evolutionary Computation | 3 hrs* |
| COT 6417 | Biological Sequence & Structure Analysis | 3 hrs* |

| | | |
|--|---------------------------------|--------|
| General science list (choose one from the following) | | |
| CAP 5512 | Evolutionary Computation | 3 hrs* |
| BCH 4053 | Biochemistry I | 3 hrs |
| BSC 3403C | Quantitative Biological Methods | 4 hrs |
| BSC 5418 | Tissue Engineering | 3 hrs |
| MCB 3020C | General Microbiology | 5 hrs |
| PCB 3522 | Molecular Biology I | 3 hrs |
| PCB 3703C | Human Physiology | 4 hrs |
| ZOO 3733C | Human Anatomy | 4 hrs |
| ZOO 3744 | Neurobiology | 3 hrs |
| PCB 3063 | Genetics | 3 hrs |

*These courses are included in the degree requirements for the bachelors of science degree in computer science

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, BL 301

<http://www.cos.ucf.edu/biology>

E-mail: biology@ucf.edu

Contact: F. Logiudice, 407-823-2141

Credit Hour Requirements

31 hrs

Required Courses

(31 hrs)

| | | |
|------------|---------------------------|-------|
| BSC 2010C | Biology I | 4 hrs |
| BSC 2011C | Biology II | 4 hrs |
| CHM 2045C+ | Chemistry Fundamentals I | 4 hrs |
| CHM 2046 | Chemistry Fundamentals II | 3 hrs |
| CHM 2210 | Organic Chemistry | 3 hrs |
| PCB 3023 | Molecular Cell Biology | 3 hrs |
| PCB 3044 | Principles of Ecology | 3 hrs |
| PCB 3063 | Genetics | 3 hrs |
| PCB 4683 | Evolutionary Biology | 4 hrs |

+CHM 2040C plus CHM 2041C can substitute for CHM 2045C

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 department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Not open to Biology or Biology Preprofessional majors.

BUSINESS: Minor for Non-Business Majors

College of Business Administration

BA2 101

Contact: Undergraduate Student Services, BA2 101, 407-823-2184

Credit Hour Requirements

24 hrs

Required Accounting Courses

(6 hrs)

| | | |
|------------|-------------------------------------|--|
| ACG 2021 | Principles of Financial Accounting | |
| <i>and</i> | | |
| ACG 2071 | Principles of Managerial Accounting | |

Required Courses

(18 hrs)

| | | |
|----------|-----------------------------|--|
| ECO 2013 | Macroeconomics | |
| ECO 2023 | Microeconomics | |
| FIN 3403 | Business Finance | |
| MAN 3025 | Management of Organizations | |
| MAR 3023 | Marketing | |

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 department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

CHEMISTRY: Minor

College of Sciences

Department of Chemistry, CH 117

<http://www.cos.ucf.edu/chemistry>

E-mail: chemistry@ucf.edu

Contact: Cherie Geiger

Credit Hour Requirements

28 hrs

Required Courses

(21 hrs)

| | | |
|------------|-----------------------------------|-------|
| CHM 2045C* | Chemistry Fundamentals I | 4 hrs |
| CHM 2046 | Chemistry Fundamentals II | 3 hrs |
| CHM 2046L | Chemistry Fundamentals Laboratory | 1 hr |

Minors

| | | |
|-----------|---------------------------------|-------|
| CHM 2210 | Organic Chemistry I | 3 hrs |
| CHM 2211 | Organic Chemistry II | 3 hrs |
| CHM 2211L | Organic Laboratory Techniques I | 2 hrs |
| CHM 3120 | Analytical Chemistry | 5 hrs |

*CHM 2040C plus CHM 2041C can substitute for CHM 2045C

Restricted Upper Division Electives (7 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

| | |
|-----------|--|
| CHM 3212L | Organic Laboratory Techniques II |
| CHM 4130 | Advanced Analytical Laboratory Technique |
| BCH 4103L | Biochemical Methods |
| CHS 3530C | Forensic Analysis of Controlled Substances |
| CHM 3411L | Physical Chemistry Laboratory |
| CHM 5451C | Polymer Chemistry Laboratory |

Group II:

| | |
|----------|----------------------------------|
| BCH 4053 | Biochemistry I |
| BCH 4054 | Biochemistry II |
| CHM 3410 | Physical Chemistry I |
| CHM 3411 | Physical Chemistry II |
| CHM 3422 | Applied Physical Chemistry |
| CHM 5225 | Advanced Organic Chemistry I |
| CHM 4220 | Organic Chemistry III |
| CHS 4200 | Concepts in Industrial Chemistry |
| CHM 5235 | Applied Molecular Spectroscopy |
| CHM 5450 | Polymer Chemistry |
| CHS 4615 | Environmental Chemistry |

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 11 hours used in the minor must be earned at UCF within the department, with a minimum GPA of 2.0.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

COACHING: Minor

College of Education

Department of Child, Family and Community Sciences ED 209

Program Coordinator: Debby Mitchell, ED 320H, 407-823-6598,
E-mail: mitchell@mail.ucf.edu

The coaching minor is designed to provide a limited, but substantive experience in the field of coaching. The state of Florida requires a coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all persons certified to teach. This minor is appropriate for those students who plan to coach and/or are seeking a career in the fields of Physical Education and sport. The following courses will give the student a coaching endorsement as well as strengthen the marketability of the student's major program. This Minor is available for students in the 2001 Catalog Year and beyond.

Credit Hour Requirements 18 hrs

Required Courses (15 hrs)

| | | |
|------------|--|-------|
| *PET 2622C | Human Injuries | 3 hrs |
| PET3765 | Coaching Theory | 3 hrs |
| PET3493 | Sports and Ethics | 3 hrs |
| PET4215 | Motivational Aspects of Athletic Performance | 3 hrs |
| PET 4763 | Coaching Methods and Principles | 3 hrs |

Select one course from the following: (3 hrs)

| | | |
|---------|-------------------------------|-------|
| PEO2624 | Coaching Football <i>or</i> | 3 hrs |
| PEO3644 | Coaching Basketball <i>or</i> | |
| PEO3324 | Coaching Volleyball | |

*If the student has completed this course at a community college it can be transferred into the program.

Other Requirements

- An overall GPA of 2.0 is required to satisfy the minor.
- No grades below "C-" (1.75) and no "S" grades will be accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No TSD or Military credit may be used.
- Internship or Independent Study credit cannot be used toward the minor.

COGNITIVE SCIENCES: Minor

College of Arts and Humanities

Philosophy Department, PSY 220

<http://www.cah.ucf.edu/philosophy/>

E-mail: philosophy@ucf.edu

Contact: Jennifer Mundale, 407-823-2273; Fax: 407-823-6658

The cognitive sciences minor provides an interdisciplinary approach to the study of mind, brain, and cognition, broadly construed. It complements the background of students intending to pursue graduate degrees in cognitive science, computer science, philosophy, psychology, biology, neuroscience, and medicine, as well as students with more immediate career goals in fields such as neural network modeling, neuroimaging, information technology, clinical or counseling psychology, biotechnology, and others.

Credit Hour Requirements 21 hrs

Note: It is the student's responsibility to satisfactorily complete all prerequisite courses prior to registering for each course. Students must check the most current catalog before registering, and abide by the prerequisites in effect at that time.

Foundation Courses (15 hrs)

Select from at least 4 subject areas

Neuroscience

- PSB 3002 Physiological Psychology (PR: PSY 2012)
- PSB 4240C Neuropsychology (PR: PSB 3002)
- ZOO 744 Neurobiology (PR: BSC 2010C)
- PSB 4422 Brainwaves and Behavior (PR: PSB 3002)

Philosophy

- PHI 3320 Philosophy of Mind (PR: PHI 2010 or C.I.)
- PHI 3323 Minds and Machines (PR: PHI 2010 or C.I.)
- PHI 4341 Ways of Knowing (PR: PHI 2010)
- PHI 3451 Philosophy of Psychology (PR: Junior or C.I.)
- PHI 4400 Philosophy of Science

Psychology

- EXP 3604C Cognitive Psychology (PR: PSY 2012)
- EXP 4507C Advanced Human Memory and Cognition (PR: PSY 3213C and EXP 3604C)
- EXP 3204C Perception (PR: PSY 2012, PSY 3213C)

Computer Science and Information Technology

- CAP 4453 Robot Vision (PR: COP 3530C and MAC 2312, or C.I.)
- CAP 4630 Artificial Intelligence (PR: COP 3530C)
- EEL 3531 Information Theory (PR: MAC 2147 or any calculus course; not open to EE or CpE majors)
- EEL 3552C Signal Analysis & Communications (PR: EEL 3004)

Language and Linguistics

- LIN 3010 Principles of Linguistics (PR: ENC 1102)
- LIN 3716 Language Development: Birth Through 8 Years (PR: DEP2004)
- LIN 3717 Language Development: 9-18 Years (PR: LIN 3716)
- LIN 3703 Psychology of Oral Communication

Restricted Electives (6 hrs)

- ANT 3541 Biobehavioral Anthropology
- ANT 3550 Primatology (PR: ANT 2511 or C.I.)
- ANT 3640 Language and Culture (PR: Sophomore standing)
- ANT 4586 Human Origins (PR: ANT 2511)
- CAP 4630 Introduction to Artificial Intelligence (PR: COP 3530C)
- COP 4520 Concepts of Parallel Distributed Processing (PR: COP 3530C and COP 3402)
- CAP 5015 Multimedia Compression on the Internet (PR: senior or graduate student)
- CAP 5415 Computer Vision (PR: COP 3530C)
- CAP 5512 Evolutionary Computing
- COP 4520 Concepts of Parallel and Distributed Processing (PR: COP 3530C and COP 3402)
- LIN 4711 Language Analysis (PR: LIN 3716 and LIN 3717)
- LIN 4711L Language Analysis Lab (PR: LIN 3716 and LIN 3717)
- PHI 3626 Advanced Ethics in Science and Technology (PR: COP 3502C or DIG 2000 or C.I.)
- PHI 2101 Critical Thinking
- PHI 2101 Formal Logic I
- PHI 4500 Metaphysics (PR: Philosophy Major or C.I.)
- PHI 4321 Philosophies of Embodiment (PR: Junior standing and either PHI 2010, PHI 2011, PHI 2101, or C.I.)
- MAP 4103 Mathematical Modeling I (PR: MAC 2311 or MAC 2281, and MAP 2302)

PSY 4025 The Psychology of Art (PR: PSY 2012 and ARH 205x)
 PSY 3213C Research Methods in Psychology (PR: PSY 2012
 and STA 2014C or STA 2023)
 EXP 3204C Perception (PR: PSY 2012 and PSY 3213C)
 (Electives may also be chosen from Required Courses above)

Other Requirements

- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
- 18 hours must be taken at the upper division.
- No more than 10 credit hours may be used both toward credit for a major and the cognitive sciences minor.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study require prior approval from the advisors to be used toward the minor.

COMMUNICATION SCIENCES AND DISORDERS: Minor

College of Health and Public Affairs
 Department of Communication Sciences and Disorders
<http://www.cohpa.ucf.edu/comdis>
 HPA2, Suite 101

Undergraduate Program Director: Jamie B. Schwartz, 407-823-4798,
 E-mail: jschwart@mail.ucf.edu

Credit Hour Requirements 22 hrs
Required Courses

| | | |
|-----------|---|-------|
| 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: Birth Through 8 Years | 3 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 |

Other Requirements

- A minimum GPA of 1.75 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- Students must earn an overall minimum of 2.0 GPA in the courses used to complete the minor.
- At least 19 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Licensed Speech-Language Pathology and Audiology Assistant
 This state license may be obtained by completing the minor plus one additional course in the disorders area as recommended by the academic advisor.

COMMUNITY ARTS—PAVE: Minor

College of Arts and Humanities
 Department of Art, VAB 117
<http://www.art.ucf.edu/>

E-mail: art@ucf.edu

Contact: Janet Kilbride, 407-823-2676

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.

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 department.
- No credit by exam (TSD, Military credit) may be used toward the minor.

COMPUTER SCIENCE: Minor

College of Engineering and Computer Science
 School of Electrical Engineering & Computer Science,
 Harris Corp Engineering Ctr., Rm 246,
 407-823-2787; Fax: 407-823-5419

<http://www.eecs.ucf.edu>

Contact: Mark Llewellyn, E-mail: markl@cs.ucf.edu

Credit Hour Requirements 19 hrs
Required Courses (19 hrs)

| | | |
|-------------|--------------------------------------|-------|
| COP 3223 | Intro to Programming with C | 3 hrs |
| COP 3330 | Intro to Object Oriented Programming | 3 hrs |
| COP 3502C | Computer Science I | 3 hrs |
| COP 3503C | Computer Science II | 4 hrs |
| COT 3100C | Introduction to Discrete Structure | 3 hrs |
| or MAD 2104 | Foundations of Discrete Mathematics | |
| EEL 3801 | Comp. Organization | 3 hrs |

Other Requirements

- Not open to Computer Science or Information Technology majors.
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within Computer Science at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.

CRIMINAL JUSTICE: Minor

College of Health and Public Affairs
 Department of Criminal Justice and Legal Studies
 HPA 311

E-mail: cjadvice@mail.ucf.edu

Contact: Mary Ann Eastep, 407-823-3598

Credit Hour Requirements 18 hrs
Required Courses (6 hrs)

| | | |
|----------|-------------------------|-------|
| CCJ 3024 | Criminal Justice System | 3 hrs |
| CCJ 3014 | Crime in America | 3 hrs |

Restricted Electives (12 hrs)

Two of the following:
 CJL 3510 Prosecution and Adjudication 3 hrs
 CJC 3010 The Corrections and Penology 3 hrs
 CJE 4014 Police and Society 3 hrs
 Six semester hours of Criminal Justice Courses (selected with the aid of an advisor).

Other Requirements

- Students must earn an overall minimum of 2.0 GPA in the courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

DANCE: Minor

College of Arts and Humanities
 Theatre Department, UTC 180
<http://www.theatre.ucf.edu>

Contact: Brian Vernon, 407-823-2862, E-mail: bvernon@mail.ucf.edu

Credit Hour Requirements 18 hrs
Entrance Requirement

A successful audition

Required Courses (11 hrs)

| | | |
|-----------|-----------------------------------|-------|
| DAN 3134 | Dance History I | 3 hrs |
| DAA 3612 | Dance Improvisation/Composition I | 3 hrs |
| DAA 2100C | Modern Dance I | 2 hrs |
| DAA 2200C | Ballet I | 2 hrs |
| DAA 3684 | Dance Performance | 1 hr |

Electives (7 hrs)

| | | |
|-----------|---------------|-------|
| DAA 2570C | Jazz Dance I | 2 hrs |
| DAA 2571C | Jazz Dance II | 2 hrs |
| DAA 2520C | Tap Dance I | 2 hrs |
| DAA 2521C | Tap Dance II | 2 hrs |

Minors

| | | |
|-----------|------------------------|-------|
| DAA 3524C | Tap Dance III | 2 hrs |
| DAA 2201C | Ballet II | 2 hrs |
| DAA 3208C | Ballet III | 2 hrs |
| DAA 2101C | Modern Dance II | 2 hrs |
| DAA 3108C | Modern Dance III | 2 hrs |
| DAA 2393C | World Dance | 2 hrs |
| DAA 3645 | Choreography Practicum | 2 hrs |
| DAA 3684 | Dance Performance | 1 hr |
| TPA 2290L | Theatre Participation | 1 hr |

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 department 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 may lead to release from the program.
- At least 14 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may be used in the minor only with prior written permission.
- Participation on a minimum of one departmental dance concert.
- A minimum of 3 different dance styles must be completed in the minor.

DIGITAL MEDIA: Minor

College of Arts and Humanities

Digital Media, 12461 Research Parkway, 500 OTC

<http://www.dm.ucf.edu>

Interim Chair of Department of Digital Media: David Vickers, 407-823-6100

Credit Hour Requirements

18 hrs

Required Courses:

12 hrs

| | |
|-----------|-------------------------------|
| DIG 2000 | Introduction to Digital Media |
| DIG 3138C | Digital Imagery |
| COP 2500C | Concepts in Computer Science |
| DIG 3XXXC | Internet Interaction |

Restricted Elective Courses

6 hrs

Select two courses:

| | | |
|-----------|---------------------------------------|-------|
| DIG 3286C | Assembling Digital Media | 3 hrs |
| DIG 3253 | Digital Media Audio | 3 hrs |
| DIG 2821 | Creative Digital Problem Solving | 3 hrs |
| DIG 2485 | Visual Language of the Moving Image | 3 hrs |
| DIG 3480C | Computers as a Medium | 3 hrs |
| DIG 3525 | Digital Media Production I | 3 hrs |
| DIG 3563 | Information Management and Authorship | 3 hrs |
| DIG 4xxx | Rapid Application Web Development | 3 hrs |
| DIG 4324C | Modeling for Real-time Systems II | 3 hrs |
| DIG 4455C | Interactive Performance II | 3 hrs |
| DIG 4713 | Game Design | 3 hrs |
| DIG 4715C | Game Production | 3 hrs |
| DIG 4780C | Modeling for Real-time Systems I | 3 hrs |
| DIG 4630C | Media for E-Commerce II | 3 hrs |
| DIG 4921C | Media for E-Commerce I | 3 hrs |

Or - any 3000 or 4000 level courses approved by the Department of Digital Media.

Other Requirements

- A minimum grade of "C" (2.0) or better is required in each course used to satisfy the minor, except in DIG 2000 where a "B" (3.0) or better is required.
- 12 hours used in the minor must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit can be used in the minor only with prior written permission.

EARLY CHILDHOOD EDUCATION: Minor PRE-KINDERGARTEN-PRIMARY (PK-3)

College of Education

Department of Child, Family and Community Sciences

ED 209, E-mail: ece@mail.ucf.edu

<http://education.ucf.edu/ece/>

Program Coordinator: Judy Levin, ED 122L, 407-823-4615,
E-mail: jlevin@mail.ucf.edu

The Early Childhood Education minor is intended to provide a limited, but substantive experience in the fields of education and early childhood education. The minor 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 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 education, 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.

Total Credit Hour Requirements

21 hrs

Required Courses

(18 hrs)

| | | |
|----------|---|-------|
| EEC 4661 | Early Childhood Education Theory and Practice | 3 hrs |
| RED 3310 | Early Reading, Writing and Language Arts | 3 hrs |
| EEC 4268 | Curriculum Activities in Early Childhood | 3 hrs |
| EEC 4604 | Class Mgmt & Guid Yng Child | 3 hrs |
| EEC 4207 | Assessment and Evaluation of Young Children | 3 hrs |
| EEX 4751 | Parent Involvement | 3 hrs |

Restricted Electives (select one)

(3 hrs)

| | | |
|----------|--|-------|
| EEX 3450 | Young Children with Special Needs | 3 hrs |
| RED 3012 | Foundations of Reading | 3 hrs |
| MAE 4300 | Math Curriculum and Assessment in E C | 3 hrs |
| SCE 4304 | Science Curriculum and Assessment in E C | 3 hrs |
| RED 4311 | Primary Reading, Writing and Language Arts Curriculum and Assessment | 3 hrs |

Other Requirements:

- Completion of all parts of the CLAST with appropriate passing scores, not alternatives, or completion of an A.A. degree from a Florida public post secondary institution, including completion of CLAST with appropriate scores or alternatives.
- A minimum GPA of 2.5 of all Gordon Rule 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 certification in Early Childhood Education nor does it constitute admission to the College of Education.

ECONOMICS: Minor

(for both Business Majors and non-Business Majors)

College of Business Administration

Department of Economics, BA2 305, 407-823-3266

<http://www.bus.ucf.edu/economics>

Advisors: R. Pennington, BA2 303B, 407-823-2640, Email: robertp@mail.ucf.edu; U. Chakravorty, BA2 302S, 407-823-4728; N. Underwood, BA2 302N, 407/823-1403

Credit Hour Requirements

18 hrs

Required Courses

(9 hrs)

| | | |
|----------|------------------------------|-------|
| ECO 2013 | Principles of Macroeconomics | 3 hrs |
| ECO 2023 | Principles of Microeconomics | 3 hrs |

Select one of the following two courses:

| | | |
|----------|-----------------------------|-------|
| ECO 3101 | Intermediate Microeconomics | 3 hrs |
| ECO 3203 | Intermediate Macroeconomics | 3 hrs |

Upper Division Restricted Electives

(9 hrs)

Select from any ECO, ECP or ECS courses at the 3000 - 4000 level, excluding ECO 3401.

Note: ECO 3401 (or equivalents) is a pre-requisite for ECO 3101 and ECO 3203.

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.

- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

EDUCATION: Minor

Open to non-education majors

College of Education

Department of Educational Studies, ED 206E

<http://education.ucf.edu/>

Program Coordinator: Muthoni Musangali, ED 206E,
407-823-6579, E-mail: muthoni@mail.ucf.edu

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.

Credit Hour Requirements

Core Courses

| | | |
|----------|--|-------|
| EDF 4603 | Analysis & Application of Ethical, Legal, and Safety Issues in Schools | 3 hrs |
| EDF 4467 | Learning Theory & Assessment | 3 hrs |
| EDG 4410 | Teaching Strategies & Classroom Management | 3 hrs |
| RED 4043 | Content Reading in Kindergarten through Grade Twelve | 3 hrs |
| TSL 4080 | Theory & Practice of Teaching ESOL Students in Schools | 3 hrs |

Restricted Electives (select one)

| | | |
|----------|---|-------|
| MAE 4634 | Programs in Teaching Mathematics | 3 hrs |
| SCE 4361 | Programs in Teaching Science | 3 hrs |
| LAE 4464 | Introduction to Adolescent Literature <i>or</i> | 3 hrs |
| LAE 4342 | Teaching Language/Composition | |
| SSE 4936 | Programs in Teaching Social Science | 3 hrs |

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, HPA2 238

Contact: Naim Kapucu, 407-823-2604, E-mail: nkapucu@mail.ucf.edu

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 Environmental Protection Agency, the Occupational Health and Safety Administration, the Orange County Emergency Management Division, the Federal Emergency Management Agency, the Department of Homeland Security and state and local homeland security agencies.

Credit Hour Requirements

Core Courses

| | | |
|----------|--|-------|
| 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 (select one)

| | | |
|----------|----------------------------|-------|
| CCJ 4661 | Conflict & Terrorism | 3 hrs |
| HSA 4932 | Health Issues in Disasters | 3 hrs |

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades 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.

ENGINEERING LEADERSHIP: Minor

College of Engineering and Computer Science

Department of Industrial Engineering & Management

Systems, ENG2 312

<http://www.iems.ucf.edu>

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.

Credit Hour Requirements

18 hrs

Admission Requirement

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.

Required Courses

(18 hrs)

| | | |
|-----------|------------------------------------|-------|
| EGN 3613 | Engineering Economy | 2 hrs |
| EIN 3354 | Principles of Cost Engineering | 3 hrs |
| EGN 4624 | Engineering Administration | 3 hrs |
| EIN 4191C | Engineering Leadership I (Fall) | 2 hrs |
| EIN 4192C | Engineering Leadership II (Spring) | 2 hrs |
| | Two Engineering Design courses | 6 hrs |

Other Requirements

- A minimum GPA of 3.0 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.
- Any course substitution must be approved by IEMS Undergraduate Coordinator and/or Department Chair.
- Only open to CECS undergraduate students

Minors

ENGLISH - CREATIVE WRITING: Minor

College of Arts and Humanities

Department of English, CNH 301

E-mail: english@ucf.edu

Contact: D. Trouard, 407-823-2212

Credit Hour Requirements

Required Course

CRW 3013 Creative Writing for English Majors

21 hrs
(3 hrs)
3 hrs

Restricted Elective Courses

Select one course after completing CRW 3013

CRW 3120 Fiction Writing Workshop
CRW 3211 Creative Nonfiction Writing
CRW 3310 Poetry Writing Workshop

Select one course

CRW 4122 Advanced Fiction Writing Workshop
(PR: CRW 3120)

CRW 4224 Advanced Nonfiction Workshop
(PR: CRW 3211)

CRW 4320 Advanced Poetry Writing Workshop
(PR: CRW 3310)

(6 hrs)

Restricted Upper Division Electives

CRW 3311 Structure of Verse
CRW 3610 Writing Scripts
CRW 4114 History of Prose Style
CRW 6806C Teaching Creative Writing

(12 hrs)

and any of the above courses not already used

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, CNH 301

E-mail: english@ucf.edu

Contact: D. Trouard, 407-823-2212

Credit Hour Requirements

Required Courses

LIN 3010 Introduction to Linguistics 3 hrs
LIN 4105 History of the English Language 3 hrs
LIN 4680 Modern English Grammar 3 hrs

18 hrs
(9 hrs)

Restricted Upper Division Electives

LIN 4643 Cross Cultural Communication
LIN 4660 Linguistics and Literature
LIN 4801 Language and Meaning
LIN 5137 Linguistics
ANT 3640 Language and Culture
PHI 4400 Philosophy of Science
or any course approved by the Linguistics Committee

(9 hrs)

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, CNH 301

E-mail: english@ucf.edu

Contact: D. Trouard, 407-823-2212

Credit Hour Requirements

Required Course

ENG 3014 Theories and Techniques of Lit Study
(PR for all 4000 level AML, ENG, ENL, and LIT courses)

21 hrs
(3 hrs)

Restricted Upper Division Electives

English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor

(18 hrs)

Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department, and must be regularly scheduled, upper level courses.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ENGLISH - TECHNICAL WRITING & EDITING: Minor

College of Arts and Humanities

Department of English, CNH 301

E-mail: english@ucf.edu

Contact: D. Trouard, 407-823-2212

Credit Hour Requirements

Choose 18 hours from the following Required courses

| | | |
|----------|--|-------|
| ENC 3211 | Theory & Practice of Tech Writing | 3 hrs |
| | <i>or</i> | |
| ENC 3241 | Writing for the Technical Professional | 3 hrs |
| ENC 4215 | Technical Publication and Project Management | 3 hrs |
| ENC 4218 | The Visual in Technical Communication | 3 hrs |
| ENC 4293 | Documentation and the Collaborative Process | 3 hrs |
| ENC 4294 | Documentation and Client-Based Collaboration | 3 hrs |
| ENC 4295 | Capstone Experience in Technical Writing | 3 hrs |

18 hrs

Students completing the minor may intern with a Central Florida corporation

Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ENGLISH - WRITING: Minor

College of Arts and Humanities

Department of English, CNH 301

E-mail: english@ucf.edu

Contact: D. Trouard, 407-823-2212

Credit Hour Requirements

Restricted Elective Courses

Any 3000 or 4000 level ENC or CRW classes for which the student has met the prerequisites, including

| | |
|----------|--|
| CRW 3013 | Creative Writing for English Majors |
| CRW 3120 | Fiction Writing Workshop |
| CRW 3211 | Creative Nonfiction Writing |
| CRW 3310 | Poetry Writing Workshop |
| CRW 3311 | Structure of Verse |
| CRW 3610 | Writing Scripts |
| CRW 4122 | Advanced Fiction Writing Workshop |
| CRW 4123 | Science Fiction Writing |
| CRW 4224 | Advanced Nonfiction Workshop |
| CRW 4320 | Advanced Poetry Writing Workshop |
| ENC 3211 | Theory and Practice of Technical Writing |
| ENC 3241 | Writing for the Technical Professional |
| ENC 3250 | Professional Writing |
| ENC 3310 | Magazine Writing I |
| ENC 3311 | Advanced Expository Writing |

18 hrs
(18 hrs)

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
(Open to Non-English Language Arts Education Majors)
College of Education
Department of Teaching and Learning Principles
ED 209

<http://education.ucf.edu/englished/>

Program Coordinator: Jeff Kaplan, ED 122B, 407-823-2041;
E-mail: jkaplan@mail.ucf.edu

The English Language Arts Education minor is intended for non-English Language Arts Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

| | |
|--|---------------|
| Credit Hour Requirements | 18 hrs |
| EDG 4410 Teaching Strategies and Classroom Management | 3 hrs |
| EDF 4467 Learning Theory and Assessment | 3 hrs |
| TSL 4080 Theory and Practice of Teaching ESOL Students In Schools | 3 hrs |
| RED 4043 Content Reading Kindergarten thru Grade 12 | 3 hrs |
| LAE 4360 English Instructional Analysis | 3 hrs |
| LAE 4342 Teaching Language and Composition | 3 hrs |

Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Other Requirements

- Students should see an advisor prior to registering for classes
- Students must complete 18 sh of courses in English Language Arts as co-requisites
- At least 12 hours in the minor must be earned at UCF

ENTREPRENEURSHIP: Business Minor
(Open to Business Students)

College of Business Administration
Management Department, BA1 309

| | |
|---------------------------------|-----------------|
| Credit Hour Requirements | 18 hrs |
| Required Courses | (15 hrs) |

| | |
|-------------|---------------------------|
| MAN 3301 | Human Resource Management |
| MAN 4802 | Entrepreneurship |
| MAR 3391 | Professional Sales |
| or MAR 3641 | Marketing Intelligence |
| GEB 4111 | New Venture Finance |
| GEB 4110 | Business Plan Preparation |

| | |
|---|----------------|
| Restrictive Elective | (3 hrs) |
| Any 3000 or 4000 MAN course or BUL 4540 not in COB Common Body of Knowledge | |

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.

ENTREPRENEURSHIP: Minor for Non-Business Majors

College of Business Administration
Department of Management, BA1 309

| | | |
|--|-----------------------------|-------|
| Credit Hour Requirements | 20 hrs | |
| Required Introductory Courses | (11 hrs) | |
| MAN 3025 | Management of Organizations | 4 hrs |
| MAR 3023 | Marketing | 4 hrs |
| GEB 3113 | How to Start a Business | |
| or | | |
| MAN 3301 | Human Resource Management | 3 hrs |
| Required Entrepreneurship Courses | (9 hrs) | |
| MAN 4802 | Entrepreneurship | 3 hrs |
| GEB 4111 | New Venture Finance | 3 hrs |
| GEB 4110 | Business Plan Preparation | 3 hrs |

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- 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 or elective coursework can count toward another major or minor degree program.

ENVIRONMENTAL STUDIES: Minor
Office of Undergraduate Studies

Office of Interdisciplinary Studies, CL-I 302

<http://www.is.ucf.edu>

E-mail: is@mail.ucf.edu

Contact: Interdisciplinary Studies Advising Team, 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.

| | |
|---------------------------------|---------------|
| Credit Hour Requirements | 21 hrs |
|---------------------------------|---------------|

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 Course | | |
| IDS 3150 | Foundations of Environmental Studies | 3 hrs |
| Science & Environmental Electives | | (9 hrs) |

| | |
|------------|--|
| BSC 1050&L | Biology and Environment + Lab |
| BSC 2011C | Biology II |
| BOT 3152C | Local Flora |
| BOT 4156C | Florida Wildflowers |
| BOT 3800 | Ethnobotany |
| BOT 4303C | Plant Kingdom |
| BOT 4686C | Conservation and Management of Native Plants |
| BOT 4713C | Plant Taxonomy |
| BSC 4312C | Marine Biology |
| OCE 3008 | Oceanography |
| PCB 3044&L | Principles of Ecology and Lab |
| PCB 3442 | Florida Aquatic Ecology |
| PCB 4302C | Physiochemical Limnology |
| PCB 4303C | Biological Limnology |
| PCB 4683 | Population Biology and Evolution |
| CHM 3120 | Analytical Chemistry |
| HSC 4500 | Epidemiology |
| ENV 3001 | Introduction to Environmental Engineering |
| ENV 4341 | Solid Waste Management |
| PCB 3063 | Genetics |
| PCB 3304C | River Ecology |
| PCB 3314 | Marine Biodiversity |

| | |
|--|----------------|
| Social & Humanities Electives | (9 hrs) |
|--|----------------|

| | | |
|----------|--|----|
| ECP 3302 | Economics and the Environment | or |
| ECP 4302 | Economics of the Environment | |
| ECO 4701 | The Global Economy | |
| INR 4351 | International Environmental Law | |
| PUP 3203 | Environmental Politics | |
| PUP 4503 | Government and Science | |
| PAD 4351 | Issues in Environmental Program Management | |
| PAD 3330 | Urban and Regional Planning | |
| PLA 4631 | Land Use and Environmental Law | |
| PUP 4204 | Sustainability | |
| GEO 2370 | Resources Geography | |

Minors

| | |
|-----------|--|
| GIS 3043C | GIS for Environmental Studies |
| GIS 4301C | Advanced GIS Applications in Environmental Studies |
| GIS 4035C | Remote Sensing of the Environment |
| PHI 3033 | Philosophy, Religion, and the Environment |
| PHI 4400 | Philosophy of Science |
| PHI 3640 | Environmental Ethics |
| PHI 4633 | Ethics and Biological Science |
| PHM 4031 | Environmental Philosophy |

Other Requirements

- A grade of "C" or above (2.0) is required in each course used to satisfy the minor.
- 18 hours must be taken at the upper division.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study require prior approval from the Interdisciplinary Studies advisors to be used toward the minor.
- Internship, independent study, and co-op credit cannot be used in this minor.

EUROPEAN STUDIES: Minor

College of Sciences

Department of Political Science, PH 302

<http://www.cos.ucf.edu/politicalscience>

E-mail: politics@mail.ucf.edu

Contact: Kerstin Hamann, 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.

Credit hour requirements: 21 hrs

Students are responsible for meeting any prerequisites for the courses in the minor.

Required core courses: (6 hrs)

| | |
|----------|---|
| CPO 4101 | Politics of the European Union |
| LIT 3082 | Continental European Fiction since 1900 |

Restricted Electives: (12 hrs)

Literature, Film, and Culture: (3 hrs)

| | |
|----------|--|
| ENL 2022 | English Literature II |
| ENL 4101 | English Novel |
| ENL 4240 | English Romantic Writers |
| ENL 4262 | 19 th Century British Prose |
| ENL 4273 | Modern British Literature |
| FIL 3820 | Italian Film |
| FIL 3822 | French Film |
| FIL 3823 | German Film |
| FRE 4500 | French Civilization and Culture |
| FRW 4281 | 20 th Century French Novels |
| FRW 4324 | 20 th Century French Drama |
| FRW 4532 | French Romanticism |
| FRW 4552 | Nineteenth Century French Literature |
| GER 3102 | Germany - Past to Present |
| GER 4520 | Modern Germany |
| GEW 3101 | Survey of German Literature II |
| GEW 3370 | German Short Story |
| GEW 3480 | German Post-War Literature |
| GEW 4482 | German Children's Literature |
| GEW 4531 | The Age of Goethe and Schiller |
| ITT 4956 | Study Abroad: Italian Civilization |
| ITW 3101 | Survey of Italian Literature II |
| JST 3751 | Literature of the Holocaust |
| LIT 4184 | Irish Literature |
| MUL 3604 | German Song Literature |
| MUL 3605 | French Song Literature |
| SPW 3101 | Survey of Spanish Literature II |
| SPW 3370 | Spanish Short Story |
| SPW 4272 | 20 th Century Spanish Novel |
| SPW 4322 | Contemporary Iberian Theatre |
| SPW 4450 | Spanish Literary Theory |
| SPW 4460 | Nineteenth Century Spanish Literature |
| SPW 4720 | The Generation of 1898 |

History (6 hrs)

| | |
|----------|--|
| EUH 3235 | Romanticism and Realism |
| EUH 3242 | Modern Europe and the First World War |
| EUH 3281 | Second World War and Rebirth of Europe |
| EUH 3315 | History of Modern Spain |
| EUH 3411 | Ancient Rome |

| | |
|----------|---|
| EUH 3431 | History of Modern Italy |
| EUH 3451 | History of Modern France |
| EUH 4284 | Fascism and the Totalitarian Dictatorships |
| EUH 4400 | The History of Ancient Greece |
| EUH 4465 | Hitler's Third Reich |
| EUH 4501 | English History: 1485-1815 |
| EUH 4502 | English History: 1815-Present |
| EUH 4574 | History of Russia: 1801-1917 |
| EUH 4576 | History of Russia in the 20 th Century |
| EUH 4582 | 20 th Century Russian Diplomatic History |
| EUH 4610 | Women in European Society |
| EUH 4620 | European Great Powers: 1815-1914 |
| GER 4510 | Life and Culture in Nazi Germany |
| JST 3701 | History of the Holocaust |

Political Science or Economics (3 hrs)

| | |
|----------|--|
| CPO 3104 | Politics of Western Europe |
| CPO 3614 | Politics of Eastern Europe |
| CPO 4074 | Political Economy |
| CPO 4123 | Government and Politics of Great Britain |
| CPO 4445 | Comparative Political Parties |
| CPO 4643 | Government and Politics of Russia |
| ECO 3703 | International Trade |
| ECS 4303 | Economics of European Integration |
| INR 4035 | International Political Economy |

Other: (3 Hrs)

may be taken from any of the above electives; Foreign Language Across the Curriculum (FLAC) courses linked to any of the above electives, or

| | |
|----------|--------------------------------------|
| ARH 4430 | 19 th Century Art |
| ARH 4450 | 20 th Century Art |
| PHH 3510 | Marx and Nietzsche |
| PHP 3783 | Modernity as a Philosophical Problem |
| PHP 3786 | Existentialism |
| PHP 4782 | Phenomenology |

Any course substitutions are subject to prior approval by the director.

Foreign Language Requirement:

Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, or Spanish (other languages require approval of director).

Other 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 must be taken at UCF.
- No credit by exam (military credit, TSD) may be used.
- Courses offered by the Modern Languages Department might be offered in a language other than English.
- At least 15 credits 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.

EXCEPTIONAL EDUCATION: Minor

College of Education

Department of Child, Family and Community Sciences
ED 209

<http://www.education.ucf.edu>

Program Coordinator: Joyce Harth, ED 315-D, 407-823-2386;

E-mail: jharth@mail.ucf.edu

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. This minor is available for students in the 2001 catalog year and beyond.

Credit Hour Requirements 21 hrs Required Courses (18 hrs)

| | | |
|----------|---|-------|
| RED 3012 | Basic Foundations of Reading | 3 hrs |
| EEX 4070 | Teaching Exceptional Students | 3 hrs |
| EEX 4601 | Introduction to Behavior Management | 3 hrs |
| EEX 4763 | Tech for Classroom Teachers of Students with Spec Needs | 3 hrs |

| | | |
|----------|---|-------|
| EDF 4603 | Analysis and Application of Ethical, Legal and Safety Issues in Schools | 3 hrs |
| EEX 3243 | Techniques for Exceptional Adolescents/Adults | 3 hrs |
| EEX 3241 | or Methods for Academic Skills for Except Students | |

Restricted Electives (select one) (3 hrs)

| | | |
|----------|---|-------|
| EEX 4066 | Curriculum, Theory & Instruct Strategies for Students with Special Needs or | 3 hrs |
| EDF 4467 | Learning Theory & Assessment | 3 hrs |

Other Requirements

- Completion of all parts of the CLAST with appropriate passing scores (no alternatives or waivers), or completion of an AA degree from a Florida public post secondary institution, including completion of CLAST with appropriate scores or alternatives.
- A minimum GPA of 2.5 of all Gordon Rule classes including ENC 1101, 1102, and two college level math courses, MAC 1105 or higher, is required.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

Note: Completion of the minor does not complete the requirements for certification in Exceptional Education nor does it constitute admission in the College of Education.

FILM - CINEMA STUDIES: Minor

College of Arts and Humanities

Film, NSC 121, 407-823-4285

<http://www.film.ucf.edu>

E-mail: film@ucf.edu

Department Chair: S. Schlow, 407-823-2845

Entrance Requirement

- Completion of a Minor Declaration and Minor Application

Credit Hour Requirements

Required Courses (18 hrs (12 hrs))

| | | |
|----------|----------------------------|-------|
| FIL 1007 | Foundations of Story or | 3 hrs |
| FIL 1000 | Cinema Survey | |
| FIL 2030 | History of Motion Pictures | 3 hrs |
| FIL 3006 | Art of the Cinema | 3 hrs |
| FIL 2423 | Foundations of Production | 3 hrs |

Restricted Electives (Choose Two) (6 hrs)

| | | |
|----------|----------------------------|--|
| FIL 3300 | Film Documentary | |
| FIL 3880 | Women in Film | |
| FIL 3051 | Avant-Garde Cinema | |
| FIL 3820 | Italian Film | |
| FIL 3845 | World Cinema Traditions | |
| FIL 3841 | French New Wave Cinema | |
| FIL 3824 | Italian Neo-Realist Cinema | |
| FIL 3513 | Latin American Cinema | |
| FIL 3822 | French Film | |
| FIL 3823 | German Film | |
| FIL 3831 | Black Cinema | |
| FIL 3826 | American Cinema | |
| FIL 3871 | The American Film Artist | |
| FIL 4647 | Film Production Management | |

Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

FINANCE: Minor

Open to Business and Non-Business Students

Not available to Finance Majors

College of Business Administration

Department of Finance, BA 409

<http://www.bus.ucf.edu/finance>

Credit Hour Requirements (19 hrs)

Prerequisite courses:

| | |
|----------|-------------------------------------|
| ACG 2021 | Principles of Financial Accounting |
| ACG 2071 | Principles of Managerial Accounting |
| ECO 2013 | Principles of Macroeconomics |
| ECO 2023 | Principles of Microeconomics |

Required courses (10 hrs)

| | | |
|----------|----------------------------------|-------|
| FIN 2100 | Personal Finance and Investments | 3 hrs |
| FIN 3403 | Business Finance | 4 hrs |
| FIN 3303 | Financial Markets | 3 hrs |

Electives (select three of the following) (9 hrs)

| | | |
|----------|---|-------|
| FIN 3414 | Intermediate Corporate Finance | 3 hrs |
| FIN 3461 | Financial Statement Analysis | 3 hrs |
| FIN 3504 | Investment Analysis | 3 hrs |
| FIN 4313 | Management of Financial Institutions | 3 hrs |
| FIN 4324 | Commercial Bank Management | 3 hrs |
| FIN 4424 | Advanced Topics in Financial Management | 3 hrs |
| FIN 4453 | Financial Models | 3 hrs |
| FIN 4514 | Portfolio Analysis and Management | 3 hrs |
| FIN 4533 | Financial Derivatives | 3 hrs |
| FIN 4604 | International Financial Management | 3 hrs |

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at 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, ED 209

Program Coordinator: Anna Valdes, ED 320 H, 352-536-2141;

E-mail: asarmien@mail.ucf.edu

The Fitness Training minor is developed to provide the student interested in working in wellness centers as personal trainers the knowledge and experience 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.

Credit Hour Requirements (19 hrs)

Required Courses

| | | |
|------------|--|-------|
| PET 4312 | Biomechanics | 3 hrs |
| PET 4550 | Fitness Assessment | 3 hrs |
| PET 4083 | Practical Fitness Training | 3 hrs |
| | (Take Last - Only offered once a year) | |
| *ZOO 3736C | Exercise Physiology Anatomy | 4 hrs |
| | (Take First) | |

Restricted Electives - Choose 2 classes from the following:

| | | |
|-----------|--|-------|
| PET 3361 | Nutrition for Sports and Fitness | 3 hrs |
| PET 3771 | Fitness and Conditioning Concepts | 3 hrs |
| PET 3768 | Group Exercise Instruction | |
| PET 4351C | Applied Exercise and Human Physiology | |
| PET 4215 | Motivational Aspects of Athletic Performance | |

*If the student has completed a Human Anatomy course with a laboratory requirement at another school, it can be substituted for ZOO3736C.

Note: ZOO 3736C should be taken prior to PET 4312, PET 4550, and PET 4083

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.

Minors

FRENCH: Minor

College of Arts and Humanities
Modern Languages and Literatures, CNH 523
<http://mll.cah.ucf.edu/>

E-mail: forlang@mail.ucf.edu
Contact: P. Giordano, 407-823-2472

Credit Hour Requirements 18 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.

Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

GERMAN: Minor

College of Arts and Humanities
Modern Languages and Literatures, CNH 523
<http://mll.cah.ucf.edu/>

E-mail: forlang@mail.ucf.edu
Contact: P. Giordano, 407-823-2472

Credit Hour Requirements 18 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.

Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

HEALTH INFORMATION MANAGEMENT: Minor

College of Health and Public Affairs
Department of Health Management and Informatics,
HPA2 210

Contact: Alice M. Noblin, RHIA, 407-823-2353,
E-mail: anoblin@mail.ucf.edu

Credit Hour Requirements 20 hrs
Required Courses (20 hrs)

| | | |
|-----------|--|-------|
| HIM 3006 | Foundations of Health Information Management | 3 hrs |
| HIM 4506C | Quality Management | 3 hrs |
| HIM 4656C | Health Information Management Systems | 3 hrs |
| HSC 3537 | Medical Terminology | 3 hrs |
| HIM 4226C | Coding Procedures I | 5 hrs |
| HIM 4256C | Coding Procedures II | 3 hrs |

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, HPA2 212

Contact: L. Timothy Worrell, 407-823-5236,
E-mail: worrell@mail.ucf.edu

Credit Hour Requirements 18 hrs
Required Courses (9 hrs)

| | | |
|-----------|------------------------------|-------|
| HSA 3111 | U.S. Health Care Systems | 3 hrs |
| HUN 2002 | Modern Concepts of Nutrition | 3 hrs |
| HSC 3110C | Medical Self Assessment | 3 hrs |

Restricted Upper Division Electives (9 hrs)

9 additional hours of upper division courses in the Health Professions department.

Other Requirements

- Majors may not count courses presently required in a department program.
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of "C" (2.0) is required in all Health Professions courses.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

HEALTH SERVICES ADMINISTRATION: Minor

College of Health and Public Affairs
Department of Health Management and Informatics,
HPA2 210

Contact: Kendall Cortelyou-Ward, 407-823-2359,
E-mail: hsainfo@mail.ucf.edu

Credit Hour Requirements 18 hrs
Required Courses (15 hrs)

| | | |
|----------|--|-------|
| HSA 3111 | U.S. Health Care Systems | 3 hrs |
| HSC 4201 | Community Health Services | 3 hrs |
| HSA 4180 | Org and Management for Health Agencies I | 3 hrs |
| HSA 4191 | Health Care Automation | 3 hrs |
| HSC 4500 | Epidemiology | 3 hrs |

Restricted Elective (3 hrs)

| | | |
|-----------|------------------------------------|-------|
| HSC 4652 | Health Care Law & Ethics <i>or</i> | 3 hrs |
| HSA 4109 | Managed Care <i>or</i> | |
| HSA 4502 | Risk Management <i>or</i> | |
| HIM 4506C | Quality Management <i>or</i> | |
| HSA 4702 | Health Science Research Methods | |

(Additional prerequisite courses may be required)

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, CNH 551

<http://www.cah.ucf.edu/history/>

E-mail: history@ucf.edu

Contact: Rosalind J. Beiler, 407-823-2225

Credit Hour Requirements 18 hrs
Restricted Upper Division Electives (15 hrs)

History Elective (3 hrs)

Any course taught within the History Department

Other Requirements

- A grade of C- (1.75) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used without academic advisor's approval.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.

HOSPITALITY MANAGEMENT: Minor
Rosen College of Hospitality Management
9907 Universal Boulevard
Orlando, Florida 32819
407-903-8000
<http://www.hospitality.ucf.edu>
E-mail: hospitality@mail.ucf.edu
 Dean: Abraham Pizam

Credit Hour Requirements 18 hrs
Required Courses (6 hrs)

| | | |
|----------|----------------------------------|-------|
| HFT 1000 | Introduction to Hospitality Mgmt | 3 hrs |
| HFT 3540 | Guest Services Management | 3 hrs |

Choose any two courses from the following: (6 hrs)

| | | |
|----------|-----------------------------------|-------|
| HFT 2401 | Hospitality Financial Accounting | 3 hrs |
| HFT 3431 | Hospitality Managerial Accounting | 3 hrs |
| HFT 2500 | Hospitality Marketing | 3 hrs |
| HFT 2220 | Hospitality Human Resource Mgmt | 3 hrs |
| HFT 3444 | Hospitality Information Systems | 3 hrs |
| HFT 3603 | Legal Environment in Hospitality | 3 hrs |
| HFT 4464 | Hospitality Industry Finance | 3 hrs |
| HFT 4286 | Hospitality Communications | 3 hrs |

Choose any two courses from the following: (6 hrs)

| | | |
|-----------|------------------------------------|-------|
| HFT 3700 | Tourism Management | 3 hrs |
| HFT 3263 | Restaurant Management | 3 hrs |
| HFT 3273 | Principles of Resort Time Sharing | 3 hrs |
| HFT 4755 | Theme Park & Attraction Mgmt | 3 hrs |
| HFT 2750 | The Event Industry | 3 hrs |
| FSS 2221C | Quantity Food Preparation | 3 hrs |
| HFT 2254 | Lodging Operations | 3 hrs |
| HFT 4277 | Yacht, Country, and City Club Mgmt | 3 hrs |

Other Requirements

- A minimum GPA of 2.0 in all courses used to satisfy the minor.
- At least 12 credit hours used in the minor must be earned at UCF within the 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, PSY 220
<http://www.cah.ucf.edu/philosophy>
E-mail: philosophy@ucf.edu
 Contact: Ann Maukonen, 407-823-2273

A multicultural minor focusing on the art, literature, philosophy, and religion of various world cultures. This minor is intended to provide a limited, yet substantive, introduction to humanities themes related to knowledge, responsibility, and society. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, student will select courses in accordance with the distributions listed below.

Credit Hour Requirements 21 hrs
Humanities Foundations 6 hrs

Select two courses:

| | |
|----------|-------------------------|
| HUM 3431 | Ancient Humanities |
| HUM 3435 | Medieval Humanities |
| HUM 3255 | Modern Humanities |
| HUM 3252 | Contemporary Humanities |

Humanistic/Religious Traditions 6 hrs

Select two courses:

| | |
|----------|-----------------------------|
| HUM 3401 | Asian Humanities |
| HUM 3417 | Hindu Thought and Culture |
| HUM 3419 | Islamic Thought and Culture |
| HUM 3552 | Christian Thought |
| HUM 3553 | Moses, Jesus and Muhammad |
| ANT 3245 | Native American Religions |
| PHH 3701 | Native American Philosophy |
| JST 3401 | The Jewish People I |

Applications 6 hrs

Select two courses:

| | |
|----------|--|
| PHI 3803 | Philosophy and Creativity |
| PHI 3033 | Philosophy, Religion, and the Environment |
| PHM 3123 | Feminist Theories |
| REL 3115 | Religion, Spirituality, and Popular Music |
| REL 3111 | Religion and Philosophy through Film |
| HUM 4554 | Religious Quest and the Human Dilemma |
| HUM 4330 | Performance Theory |
| PHI 3022 | Sexuality, Gender & Philosophy |
| PHI 3638 | Ethical Issues in the 21st Century |
| PHI 4321 | Philosophies of Embodiment: Mind/Body/Self |

Upper Division Restricted Elective 3 hrs

Select one additional course from the above list or from the following:

| | |
|----------|------------------------------------|
| HUM 3320 | Contemporary Multicultural Studies |
| HUM 4301 | Classical Ideal |
| HUM 4303 | Spiritual Ideal |
| PHI 4804 | Critical Theory |
| PHI 3800 | Aesthetics |
| PHI 3700 | Philosophy of Religion |
| CLT 3370 | Classical Mythology |
| CLT 3378 | Comparative Mythology |

Other Requirements

- A "C" (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

INFORMATION TECHNOLOGY: Minor

College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corp Engineering Ctr, Rm 246
<http://www.eecs.ucf.edu>
 Contact: Mark Llewellyn, E-mail: Mark@cs.ucf.edu

Credit Hour Requirements 18-19 hours
Required Courses (3-7 hrs)

Select one of the following options:

| | | |
|---|------------------------------|-------|
| Option 1 (Not open to Computer Science Minors or Interdisciplinary Studies Majors): | | |
| CGS 1060C | or CGS 2100C | 3 hrs |
| COP 2500C | Concepts in Computer Science | 4 hrs |
| Option 2 (Not open to Computer Science Minors or Interdisciplinary Studies Majors): | | |
| COP 3223 | Intro to Programming with C | 3 hrs |
| COP 3502C | Computer Science I | 3 hrs |
| Option 3 (Computer Science Minors and Interdisciplinary Studies Majors Only): | | |
| CGS 1060C | or CGS 2100C | 3 hrs |

Restricted Electives (9 hrs)

Select from the following:

| | | |
|-----------|--------------------------------|-------|
| CGS 2545C | Database Concepts | 3 hrs |
| CGS 2585C | Desktop/Internet Publishing | 3 hrs |
| CGS 3175 | Internet Applications | 3 hrs |
| CGS 3269 | Computer Architecture Concepts | 3 hrs |
| CNT 3004 | Computer Networks Concepts | 3 hrs |
| CGS 3763 | Operating Systems Concepts | 3 hrs |

College Electives (3-6 hrs)

| | |
|-----------------|-------|
| Options 1 and 2 | 3 hrs |
| Options 3 | 6 hrs |

Any upper division courses offered within Computer Science at UCF or additional courses chosen from the restricted electives (exclusive of independent studies, internship, and those courses listed under Required Courses). See other requirements.

Other Requirements

- Not open to Information Technology majors.
- A minimum grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within the Computer Science program at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.
- The courses used to satisfy the college electives for this minor cannot also be used to satisfy the requirements for a Computer Science Minor.

Minors

INTELLIGENT ROBOTIC SYSTEMS (IRS): INTERDISCIPLINARY Minor

College of Engineering and Computer Science
CECS Academic Affairs, ENGR 107
<http://www.cecs.ucf.edu>

Contact: Paul Edlen, 407-823-2455, E-mail: paule@mail.ucf.edu

Credit Hour Requirements 18 hrs
Required Courses (9 hrs)

EGN 3060C Introduction to Robotics 3 hrs

Select two courses from the following five courses:

| | | |
|---|---------------------------------|-------|
| Control Systems | | |
| EEL 3657 | Linear Control Systems | 3 hrs |
| EML 4312C | Feedback Control | 3 hrs |
| Manipulation and Rigid Body Motion | | |
| EGN 3321 | Engineering Analysis – Dynamics | 3 hrs |
| EML 3262 | Kinematics of Mechanism | 3 hrs |
| Computer Vision and Intelligent Systems | | |
| CAP 4453 | Robot Vision | 3 hrs |

If a student chooses to take a third course, it will be counted as an elective.

Elective Courses (9 hrs)

Select any three elective courses from the following courses:

Path Planning, Autonomous Systems, Controls, Signal/Image Processing

| | | |
|----------|---------------------------------|-------|
| EEL 4664 | Autonomous Robotic Systems | 3 hrs |
| EEL 4612 | Intro to Modern and Robust Ctrl | 3 hrs |
| EEL 4750 | Digital Signal Proc Fund | 3 hrs |
| EEL 5173 | Linear Systems Theory | 3 hrs |
| EEL 5513 | DSP Applications | 3 hrs |
| EEL 5630 | Digital Control Systems | 3 hrs |
| EEL 5820 | Image Processing | 3 hrs |
| EEL 5825 | Pattern Recognition | 3 hrs |
| EML 5311 | System Control | 3 hrs |

Computer Vision and Intelligent Systems

| | | |
|----------|--------------------------|-------|
| CAP 5415 | Computer Vision | 3 hrs |
| CAP 5512 | Evolutionary Computation | 3 hrs |
| CAP 5610 | Machine Learning | 3 hrs |

Mechatronics and MEMS

| | | |
|-----------|---------------------------------|-------|
| EML 4804C | Digital Control in Mechatronics | 3 hrs |
| EEL 5625 | Applied Control Systems | 3 hrs |
| EML 5290 | Intro to MEMS & Micromachining | 3 hrs |

Other Requirements

- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- Students whose major requires senior design courses are encouraged to take the multidisciplinary senior design course (EGN 4412C and EGN 4413C) and to undertake a project in intelligent robotic systems.
- A high-level programming language class (EGN 3211 or COP 3223 or equivalent) is required for 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.

INTERDISCIPLINARY INFORMATICS TECHNOLOGY (I²Tech): Minor

College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
<http://www.eecs.ucf.edu/I2Tech/>

Contact: Piotr Windyga, 407-823-3467,
E-mail: pwindyga@eecs.ucf.edu

Credit Hour Requirements 18 hrs
Required Courses (9 hrs)

| | | |
|-----------|--|-------|
| CET 3010 | Introduction to Information Technology <i>or</i> | 3 hrs |
| CGS 1060C | Introduction to Computer Science <i>or</i> | |
| CGS 2100C | Computer Fundamentals for Business <i>or</i> | |
| COP 3502C | Introduction to Computer Science I | |
| CGS 3175 | Internet Applications | 3 hrs |

Healthcare Informatics Concentration (9 hrs)

| | | |
|----------|---|-------|
| CGS 4144 | Introduction to Informatics | 3 hrs |
| HIM 3006 | Introduction to Health Information Management | 3 hrs |
| HSA 4191 | Health Care Automation | 3 hrs |

Technical Elective

Students should consult with the program coordinator for a list of the approved technical electives.

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, PH 302
<http://www.cos.ucf.edu/politicalscience>
E-mail: politics@ucf.edu

Contact: Waltraud Morales, 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.

Credit Hour Requirements 21-32 hrs

Note: It is the student's responsibility to satisfy course prerequisites.

Core Courses (6 hrs)

| | |
|----------|---------------------------|
| IDS 4315 | Global Perspectives |
| GEO 3471 | World Political Geography |

Restricted Political Science Electives (Select one) (3 hrs)

| | |
|----------|--|
| INR 4030 | Diplomacy |
| INR 4076 | Global Drug Policy |
| INR 4075 | Human Rights Policy |
| INR 4011 | Politics of Globalization |
| INR 4054 | Global Politics of Energy |
| INR 4074 | Immigration Policy |
| INR 4714 | Politics of International Trade Policy |
| INR 4035 | International Political Economy |
| INR 4603 | International Relations Theory |
| INR 4350 | Global Environmental Politics |
| INR 4502 | International Organizations |

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.

Restrictive Electives (3 hrs)

| | |
|----------|--|
| CCJ 4661 | Terrorism |
| EUH 3651 | War and Society |
| MMC 4300 | International Media |
| CPO 3103 | Comparative Politics |
| CPO 4062 | Comparative Judicial Process |
| CPO 4074 | Political Economy |
| CPO 4754 | Comparative Political Institutions |
| CPO 4710 | Women in Comparative Politics |
| CPO 4784 | Political & Economic Inequality in Comparative Perspective |
| CPO 4445 | Comparative Political Parties |
| SYP 4454 | Sociology of the Global System |
| THE 3312 | Theatre History and Dramatic Lit II |

3-one credit Foreign Language across the Curriculum (FLAC) courses

Substitutions require prior approval by the program advisor

Language Requirement (0-14 hrs)

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.

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- 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 for Business Majors
College of Business Administration
Office of Student Support, BA 240
Contact: Richard Ajayi, 407-823-5908**

**Credit Hour Requirements
Required Courses**

| | | |
|----------|------------------------------------|----------------------------|
| ECO 3703 | International Trade <i>or</i> | 18 hrs (12 hrs) |
| ECO 4704 | International Macroeconomics | |
| FIN 4604 | International Financial Management | 3 hrs |
| MAN 4600 | International Management <i>or</i> | 3 hrs |
| MAR 4156 | International Marketing | 3 hrs |

Elective

| | | |
|----------|--|----------------|
| ECO 3703 | International Trade | (6 hrs) |
| ECO 4704 | International Macroeconomics | |
| ECO 4701 | Seminar in Global Economic Policy | |
| ECS 4013 | Economics of Developing Areas | |
| GEO 3471 | World Political Geography | |
| INR 4035 | International Political Economy | |
| INR 4224 | Contemporary International Politics of Asia | |
| INR 4243 | International Politics of Latin America | |
| INR 4401 | International Law I | |
| MAR 4724 | Strategic Foundations in Global e-Business | |
| | Special Topics Seminars in International Business; GEB Study Abroad, 3000/4000 level foreign language course. | |

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

**INTERNATIONAL ENGINEERING: Minor
College of Engineering and Computer Science
CECS Academic Affairs Office, ENGR 107
<http://www.cecs.ucf.edu>**

Contact: Avelino Gonzalez, 407-823-5027;
E-mail: gonzalez@mail.ucf.edu

The objective of this minor is to provide engineering, computer science and engineering technology 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.

Admission Requirement

Admission by interview with the Program Director

Credit Hour Requirements

18-20 hrs

The International minor in Engineering, Computer Science, or Engineering Technology is composed of three parts:

1) Language Skill Acquisition (6-8 hrs)

It is important that students possess a working level of language skills in the language of the prospective country to be visited in the study abroad experience of item 3 below. Therefore, students must demonstrate proficiency in the language of their chosen country through at least the first year of college study. This can be achieved by completing six to eight hours of language coursework at UCF if such coursework is available, at the foreign institution where they will be going, or by passing an exam prior to the study abroad experience. Language coursework must relate to the country/region in which the student will be studying and must be approved beforehand by program coordinator. This requirement can be waived by the minor coordinator for study abroad in countries in 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:

| | | |
|----------|---------------------------|-------|
| IDS 3333 | World Comparative Studies | 3 hrs |
| GEO 3471 | World Political Geography | 3 hrs |

(Or an equivalent approved by the program coordinator)

2) Cultural Courses (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 three ways, in decreasing order of preference:

- 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
- 2) If this is not possible, then the minor coordinator will select EGN 3940 - Practicum as an acceptable alternative. In this alternative, the student will be paired with a CECS faculty member of the same culture of the country or region where the student seeks to go. The faculty member will assign the student a semester-long project that will entail a technical aspect as well as a cultural aspect.
- 3) If such a mapping cannot be made, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.

3) Study Abroad Experience (9 hrs)

The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students have the option to either:

- (1) complete 9 hours of technical coursework (classroom studies) in residence at a partner institution abroad, or
- (2) complete 6 hours of technical coursework in residence (classroom studies) at a partner institution abroad, plus one semester (3 hours) as an engineering or technology intern abroad in a career-related position with a company in the same country or region.

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 equivalences 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.

Other Requirements

- A minimum cumulative GPA of 2.5 is required in the minor/certification.
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Minors

INTERPERSONAL/ORGANIZATIONAL COMMUNICATION: Minor

College of Sciences
Nicholson School of Communication
COM 238, 407-823-2681
<http://communication.cos.ucf.edu>
Contact: Susan Jefferson

Not open to Ad/PR, Interpersonal/Organizational Communication, Journalism, or Radio/TV majors.

Credit Hour Requirements **21 hrs**
Required Courses **(12 hrs)**

| | |
|-----------|-----------------------------------|
| COM 3311 | Communication Research Methods |
| COM 3011C | Communication and Human Relations |
| COM 3120 | Organizational Communication |
| SPC 3301 | Interpersonal Communication |

Restricted Electives **(9 hrs)**

| | |
|----------|---------------------------------------|
| SPC 3513 | Argumentation & Debate |
| COM 3110 | Business & Professional Communication |
| COM 4014 | Gender Issues in Communication |
| SPC 4331 | Nonverbal Communication |
| SPC 4540 | Attitudes and Communication |
| SPC 4426 | Group Dynamics |
| COM 4461 | Intercultural Communication |
| COM 4462 | Conflict Management |
| COM 3013 | Communication and the Family |
| COM 3406 | Communication and Motivation |

Independent study or Special topics course if approved by the coordinator prior to enrolling in the class

Other Requirements

- A minimum average GPA of 2.0 is required in courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Communication.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit can be used toward the minor with prior approval.

ITALIAN: Minor

College of Arts and Humanities
Modern Languages and Literatures, CNH 523
<http://mll.cah.ucf.edu/>

E-mail: forlang@mail.ucf.edu

Contact: P. Giordano, 407-823-2472

Credit Hour Requirements **18 hrs**

Restricted Electives

- 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.

Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

JUDAIC STUDIES: Minor

College of Arts and Humanities
Judaic Studies Program, CNH 415 E-J
http://www.cah.ucf.edu/judaic_studies
E-mail: judaicst@ucf.edu

Program Director: 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 English, Modern Languages, History, Philosophy, Political Science, and Sociology/Anthropology, and with the Interdisciplinary Studies and Women's Studies Programs. Students who desire to minor in Judaic Studies should take the required Hebrew courses (8 hours)

(or proficiency) and 18 hours in the Judaic Studies courses listed below. Interested students are encouraged to meet with the program director. For Certificate requirements, refer to the section on Judaic Studies Certificate.

Credit Hour Requirements **18 hrs plus Hebrew (8 hrs)**
Required Courses (or proficiency) in Hebrew **(8 hrs)**

| | |
|----------|---|
| HBR 1120 | Elementary Modern Hebrew Lang and Cult I |
| HBR 1121 | Elementary Modern Hebrew Lang and Cult II |

Upper Division Courses **(18 hrs)**

| | |
|-----------------------|---|
| Jewish History | |
| JST 3401 | The Jewish People I |
| JST 3402 | The Jewish People II |
| JST 3481 | 20th Century Jewish History and Thought |
| JST 3550 | Introduction of Modernism into Judaism |
| JST 3701 | History of the Holocaust |

| | |
|--------------|----------------------------|
| Bible | |
| JST 3120 | Hebrew Scriptures |
| JST 3125 | The Book of Job |
| JST 3126 | Romantic Love in the Bible |
| JST 3144 | Dead Sea Scrolls |

| | |
|-------------------|-----------------------------|
| Literature | |
| JST 3100 | The Hebrew Creative Mind |
| JST 3312 | Identity and Genre |
| JST 3751 | Literature of the Holocaust |

| | |
|----------------|------------------------------|
| Culture | |
| JST 3450 | Modern Jewish Experience |
| JST 3820 | Modern Hebrew Culture |
| JST 3810 | The Jewish National Movement |

| | |
|-----------------|--|
| Language | |
| HBR 2200 | Intermediate Modern Hebrew Language and Culture I |
| HBR 2201 | Intermediate Modern Hebrew Language and Culture II |
| HBR 3250 | Biblical Hebrew |
| HBR 3410 | Conversational Israeli Hebrew |

| | |
|----------------------------|--------------------------|
| Jewish Civilization | |
| JST 3005 | Tenets of Judaism |
| JST 3121 | Classic Texts of Judaism |

Other courses, including special topics, with the approval of the Director

Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

LATIN AMERICA AREA STUDIES: Minor

College of Arts and Humanities
CNH 406 E & 406 F, 407-823-1173 or 1174

Program Director: José M. Maunez-Cuadra,

E-mail: jmaunez@mail.ucf.edu

The minor provides students with an interdisciplinary knowledge of, and the necessary tools to understand, Latin America, its people and its culture. Students completing the minor shall be prepared to apply their knowledge about Latin America in a variety of careers including, but not limited to: education, government, journalism, foreign service, social and community service, international trade and public relations.

Credit Hour Requirements **18 hrs**
Admission Requirement

Admission by interview with the Program Director.

Required Skills

Successful completion of SPN 1120C and SPN 1121C or demonstration of proficiency.

Restricted Electives **(18 hrs)**

At least 6 hours must be from one disciplinary group, and at least 3 hours from two additional groups. The other 12 must be selected from any of the disciplinary groups. Additional courses not listed below may substitute with prior approval from the Program Director.

| | |
|----------------------|--------------------------------------|
| Anthropology: | |
| ANT 3164 | Ancient Incas |
| ANT 3168 | Maya Archaeology |
| ANT 4332 | People and Cultures of Latin America |
| ANT 4340 | Caribbean Cultures |
| ANT 4308 | Gender Issues in Latin America |
| ANT 3168 | Maya Archeology |

Art History:

| | |
|----------|---------------------------------|
| ARH 4655 | Meso American Art |
| ARH 3673 | Modern Art of Mexico |
| ARH 3670 | 20th Century Latin American Art |

Modern Languages and Literature:

| | |
|----------|--|
| SPN 2200 | Intermediate Spanish Language & Civilization |
| FRW 3770 | Francophone Literature |
| SPW 3130 | Survey of Latin American Literature I |
| SPW 3131 | Survey of Latin American Literature II |
| LIT 3192 | Caribbean Literature |
| FRW 3752 | French Caribbean Literature |
| SPW 4382 | Literature of Central America |
| AML 3615 | Harlem, Haiti, and Havana |
| AML 4630 | Latino/Latina Literature |
| SPN 3852 | Bilinguismo |
| SPW 4730 | Hispanic Literature of the United States |
| SPN 4780 | Spanish Phonetics |

History:

| | |
|----------|--|
| LAH 3130 | Latin American History I |
| LAH 3200 | Latin American History II |
| LAH 3400 | History of Mexico and Central America |
| LAH 3470 | History of the Caribbean |
| AMH 3586 | History of the Hispanic minorities in the US |

Latin American Studies:

| | |
|----------|---|
| LAS 4906 | Independent Study in Latin American, Caribbean and Latino Studies |
| LAS 4023 | African Caribbean Experience |

Political Science:

| | |
|----------|--|
| CPO 4303 | Comparative Latin American Politics |
| INR 4243 | International Politics of Latin America |
| CPO 5334 | Contemporary Politics in the Maya Region |

Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior permission from the Program Director.

LEGAL STUDIES: Minor

College of Health and Public Affairs
 Department of Criminal Justice and Legal Studies,
 HPA 311

Contact: David B. Slaughter, 407-823-2603,
 E-mail: dslaughter@mail.ucf.edu

Credit Hour Requirements

**21hrs
(3 hrs)**

Required Courses

| | |
|----------|--------------------------|
| PLA 3013 | Law and the Legal System |
|----------|--------------------------|

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.

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.
- Grades less than "C-" (1.75) are not accepted.
- 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, COM 238
<http://communication.cos.ucf.edu/undergraduate/degrees/journalism.php>
 E-mail: journalism@ucf.edu

Contact: Susan Jefferson, 407-823-2681

Prerequisites

- Grammar proficiency requirement

- A minimum UCF GPA of 3.3
- Not open to Ad/PR, Journalism, or Radio/TV majors.

Credit Hour Requirements

**18 hrs
(9 hrs)**

Required courses

| | | |
|-----------|---------------------------------|-------|
| JOU 2100C | News Reporting | 3 hrs |
| JOU 3510 | Magazine Publishing | 3 hrs |
| JOU 4224 | Magazine Editing and Production | 3 hrs |

Restricted Upper Division Electives

(9 hrs)

| | |
|-----------|--------------------|
| ENC 3310 | Magazine Writing I |
| JOU 3201 | Editing I |
| JOU 3202 | Editing II |
| JOU 4300 | Feature Writing |
| JOU 4308 | Freelance Writing |
| JOU 4340C | On-line Journalism |

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 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.

MANAGEMENT INFORMATION SYSTEMS: Minor

(For both Business and Non-Business Majors)

College of Business Administration
 Department of MIS, BA 325, 407-823-3173

Credit Hour Requirements

21 hrs

Prerequisite courses

| | | |
|-----------|---|----|
| CGS 2100C | Computer Fundamentals for Business | or |
| CGS 1060C | Intro to Computer Science (or equivalent) | |
| MAC 1105 | College Algebra | or |
| MGF 1106 | Finite Mathematics | |

Required Courses

12 hrs

| | | |
|-----------|--|-------|
| ISM 3011C | Essentials of Management Information Systems | 4 hrs |
| ISM 3253 | MIS Techniques | 4 hrs |
| ISM 4212C | Database Management | 4 hrs |

Electives (choose three)

9 hrs

Any 4000 or 5000 Level ISM course from those listed below or others with the permission of the MIS Department Chair:

| | |
|----------|---|
| ISM 4113 | Information Systems Analysis and Design |
| ISM 4130 | Information Systems Implementation |
| ISM 4220 | Distributed Information Systems |
| ISM 4300 | Technology Management |
| ISM 4480 | Electronic Commerce Systems |
| ISM 4932 | Special Topic Course |
| ISM 5315 | Information Systems Project Management |
| ISM 5219 | Business Intelligence Systems |

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.

Minors

MARKETING: Minor

(Open to Business and Non-Business Students)

College of Business Administration
Department of Marketing, BA2 307S

Credit Hour Requirements

Required Courses

MAR 3023 Marketing

19 hrs

(4 hrs)

4 hrs

(12-15 hrs)

Restricted Electives

Select four or five:

| | |
|-----------|--|
| MAR 3323 | Integrated Marketing Communication |
| MAR 3391 | Professional Selling |
| MAR 3403 | Sales Force Management |
| MAR 3503 | Consumer Behavior |
| MAR 3613 | Marketing Analysis and Research |
| MAR 3641 | Marketing Intelligence |
| MAR 3721 | e-Marketing |
| MAR 4156 | International Marketing or |
| MAR 4724 | Strategic Foundations in Global e-Business |
| MAR 4231 | Retailing Management |
| MAR 4711 | Sport Marketing |
| MAR 4712 | Healthcare Marketing |
| MAR 4715 | Entertainment Marketing |
| *MAR 4803 | Marketing Management |
| *MAR 4804 | Marketing Strategy |
| MAR 4841 | Services Marketing |
| MAR 4XXX | Contemporary Marketing Topics in Florida |

*Requires prerequisites in addition to MAR 3023

Restricted Non-Marketing Elective

(0-3 hrs)

Three hours of coursework may be chosen outside of marketing from the list below. However, other courses outside Marketing will also be considered—approval by petition to the Department.

ADV 3008, ANT 3640, COM 3011C, COM 3311, COM 3120, COM 3110, ENC 3211, EXP 3404, HSA 3111, PHI 3803, PPE 3003, PSY 3213C, RTV 3007, SOP 3004, SPC 3301, SPC 4331, SPC 4426, STA 4102, SYA 4300C, MAN 4720.

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.

MASS COMMUNICATION: Minor

College of Sciences

Nicholson School of Communication

COM 238, 407-823-2681

<http://communication.cos.ucf.edu>

E-mail: communication@ucf.edu

Contact: M. A. Shaver, 407-823-2681; S. Jefferson, 407-823-3978

Not open to Ad/PR, Interpersonal/Organizational Communication, Journalism, or Radio/TV majors.

Credit Hour Requirements

18 hrs

Restricted Electives

(18 hrs)

Select from the following:

| | |
|----------|---------------------------------|
| MMC 2004 | Mass Media |
| ADV 3008 | Principles of Advertising |
| COM 3330 | Computer Mediated Communication |
| FIL 2030 | History of Motion Pictures |
| FIL 3006 | Art of the Cinema |
| FIL 3041 | History of Animated Films I |
| JOU 3004 | History of American Journalism |

MMC 3420
MMC 3200
MMC 4300
PUR 4000
RTV 3007
RTV 3200
RTV 4403

Mass Media Research Methods
Mass Communication Law
International Media
Public Relations
Dev & Struct of Elect Media & New Tech
Prod Fund & Aesth of Elect Media
Electronic Media, Technology and Society

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the 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.

MATHEMATICS: Minor

College of Sciences

Department of Mathematics, MAP 207

<http://math.ucf.edu>

E-mail: math@mail.ucf.edu

Contact: H. Martin, MAP 215A, 407-823-5700,

E-mail: martin@math.ucf.edu

Credit Hour Requirements

21 hrs

Required Courses

| | | |
|----------|--------------------------------|-------|
| MAC 2311 | Calculus with Analytic Geo I | 4 hrs |
| MAC 2312 | Calculus with Analytic Geo II | 4 hrs |
| MAC 2313 | Calculus with Analytic Geo III | 4 hrs |
| MAP 2302 | Differential Equations | 3 hrs |

(MAC 2311 and MAC 2312 may be waived by the Department Standards Committee for a student with adequate high school preparation in calculus. The student would increase Restricted Electives' hours accordingly to earn the hours required in the minor.)

Restricted Electives

(6 hrs)

The Restricted Electives must be taken from the Department of Mathematics at UCF and must include one course at the 4000-5000 level.

| | |
|----------|---|
| MAA XXXX | (any 3000, 4000, or 5000 level course) |
| MAD XXXX | (any 3000, 4000, or 5000 level course) |
| MAP XXXX | (any 3000, 4000, or 5000 level course, except MAP 3401) |
| MAS XXXX | (any 3000, 4000, or 5000 level course) |
| MTG XXXX | (any 3000, 4000, or 5000 level course) |

any mathematics Honors courses that are approved for this purpose by the Department Standards Committee.

(Either MAS 3105 or MAS 3106 may be used but not both. Courses may be selected from MAA 4226 and MAA 4227, or MAA 5210 but not both.)

Other Requirements

- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 6 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Not open to Math or Math Education majors.
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

MATHEMATICS EDUCATION: Minor

(Open to Non-Mathematics Education Majors)

College of Education

Department of Teaching and Learning Principles

ED 209

<http://education.ucf.edu/mathed/>

Program Coordinator: Janet Andreasen, ED 123Q, 407-823-5430;

E-mail: jandreas@mail.ucf.edu

The Mathematics Education minor is intended for non-Mathematics Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

| | | |
|---------------------------------|--|---------------|
| Credit Hour Requirements | | 19 hrs |
| EDG 4410 | Teaching Strategies and Classroom Management | 3 hrs |
| EDF 4467 | Learning Theory and Assessment | 3 hrs |
| TSL 4080 | Theory and Practice of Teaching ESOL Students In Schools | 3 hrs |
| RED 4043 | Content Reading Kindergarten thru Grade 12 | 3 hrs |
| MAE 4360 | Mathematics Instructional Analysis | 4 hrs |
| MAE 4634 | Programs in Teaching Mathematics | 3 hrs |

Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Other Requirements

- Students should see an advisor prior to registering for classes
- Students must complete 18 sh of courses in mathematics as co-requisites
- At least 12 hours in the minor must be earned at UCF

MEDIEVAL AND RENAISSANCE STUDIES: Minor

College of Arts and Humanities
 Department of English, CNH 417G
<http://english.ucf.edu>

Contacts: Kate Giglio, 407-823-1057; Tison Pugh, 407-823-6041

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.

Credit Hour Requirements: (18 hrs)
 Students are responsible for meeting any prerequisites for the courses in the minor.

Required Core Courses (6 hrs)

Select two courses from the following:

| | |
|-------------|---------------------|
| HUM 3435 | Medieval Humanities |
| ENL 4311 | Chaucer |
| or ENL 4333 | Shakespeare Studies |
| or ENL 4341 | Milton and His Age |
| EUH 3122 | Medieval Society |

Restricted Electives (12 hrs)

Select no more than two from each disciplinary group:

Department of Art

| | |
|----------|-------------------------|
| ARH 4200 | Medieval Art |
| ARH 4310 | Italian Renaissance Art |

Department of English

| | |
|----------|--|
| ENL 3930 | Renaissance Women Writers |
| ENL 3930 | Literature and Family in Renaissance England |
| ENL 3930 | Renaissance Literature of Queen Elizabeth I |
| ENL 4220 | English Renaissance Poetry and Prose |
| ENL 4311 | Chaucer |
| ENL 4333 | Shakespeare Studies |
| ENL 4341 | Milton and His Age |
| LIT 4932 | Early Modernism |

Department of History

| | |
|----------|--|
| AMH 4110 | Colonial American History |
| AMH 4112 | History of the Atlantic World, 1492-1800 |
| EUH 3122 | Medieval Society |
| EUH 3142 | Renaissance and Reformation |
| EUH 3531 | Medieval Ireland |
| EUH 3536 | Early Modern Ireland |
| EUH 3930 | Early Modern Spain (1469-1700) |
| EUH 3930 | The Crusades |
| EUH 4500 | English History to 1485 |
| EUH 4501 | English History 1485 to 1815 |
| EUH 4610 | Women in European Society: From Medieval to Modern |

Department of Modern Languages

| | |
|-----------|---|
| FRW 3100 | Survey of French Literature I: Middle Ages through 18th Century |
| ITA 3930 | Honors Italian Renaissance Art & Literature |
| ITW 3100 | Survey of Italian Literature I: Medieval to Renaissance |
| ITW 3443 | Dante |
| LAT 1120C | Elementary Latin Language and Civilization I |
| LAT 1121 | Elementary Latin Language and Civilization II |
| SPW 3100 | Survey of Spanish Literature I: Medieval & Golden Age |
| SPW 3370 | Spanish Short Story: Medieval & Golden Age |
| SPW 4310 | Golden Age Drama |
| SPW 4322 | Spanish Iberian Theatre: Medieval & Golden Age |
| SPW 4604 | Cervantes |

| | |
|---------------------------------|--------------------------------|
| Department of Music | |
| MUH 4932 | Medieval and Renaissance Music |
| Department of Philosophy | |
| PHH 3200 | Medieval Philosophy |
| HUM 3435 | Medieval Humanities |

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
 Middle Eastern Studies Program, CNH 411J

Program Director: 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.

Credit Hour Requirements (21 hrs)

| | | |
|-------------------------|-----------------------------|----------------|
| 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)

| | |
|----------|---|
| ARA 2200 | Intermediate Arabic Language and Civilization I |
| ASH 3222 | Islam and Its Empires |
| ASH 5227 | The Arab-Israeli Conflict |
| CPO 4710 | Women in Comparative Politics |
| HBR 2200 | Intermediate Modern Hebrew I |
| HUM 3553 | Moses, Jesus and Muhammad |
| JST 3401 | The Jewish People I |
| JST 3402 | The Jewish People II |
| JST 3820 | Modern Hebrew Culture |
| PHH 3200 | Medieval Philosophy |
| REL 2300 | World Religions |

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).

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.
- A grade of "C" or above (2.0) is required in each course for the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

MILITARY SCIENCE: Minor

College of Engineering and Computer Science
 Army ROTC, BLDG 501

Contact: LTC Bryce Christensen, 407-823-1872

Credit Hour Requirements (19 hrs)

| | | |
|-------------------------|--------------------------------|-------|
| Required Courses | | |
| MSL 3201C | Leadership and Problem Solving | 4 hrs |
| MSL 3202C | Leadership and Ethics | 4 hrs |
| MSL 4301C | Leadership and Management | 4 hrs |
| MSL 4302C | Officership | 4 hrs |

Select one of the following: (3 hrs)

| | |
|----------|----------------------------------|
| AMH 3541 | U.S. Military History to 1900 |
| AMH 3547 | U.S. Military History since 1900 |

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit can be used toward the minor.

Minors

MOLECULAR BIOLOGY AND MICROBIOLOGY: Minor College of Medicine

Burnett School of Biomedical Sciences
Department of Molecular Biology and Microbiology
HPA2 335, 407-823-5932

Chair: P.E. Kolattukudy

| Credit Hour Requirements | | 30 hrs |
|--------------------------|---------------------------------|----------|
| Required Courses | | (23 hrs) |
| BSC 2010C | Biology I | 4 hrs |
| MCB 3020C | General Microbiology | 5 hrs |
| PCB 3233 | Immunology <i>or</i> | |
| 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 |

Restricted Electives (7 hrs)
At least two courses from the Restricted Elective category of the baccalaureate curriculum.

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

MUSIC: Minor

College of Arts and Humanities
Department of Music, CNH 205A
<http://www.music.ucf.edu>

Academic Advisor: Kirk Gay, 407-823-5968; Fax 407-823-3378,

E-mail: kgay@mail.ucf.edu

| Credit Hour Requirements | | 20 hrs |
|--------------------------|---------------------------------------|----------|
| Required Courses | | (11 hrs) |
| MUT1121 | Music Theory and Musicianship I | 4 hrs |
| MUT1122 | Music Theory and Musicianship II | 4 hrs |
| Select 1: | | 3 hrs |
| MUL 2010 | Enjoyment of Music | |
| MUL 2016 | Evolution of Jazz | |
| MUL 2720 | Music of the World | |
| MUH 2017 | Survey of Rock Music | |
| MUH 2019 | American Popular Music, 1840s-Present | |

Restricted Electives (9 hrs)
Restricted electives must be taken from the Department of Music at UCF and must include 3 hours minimum at the 3000 or 4000 level. Secondary lessons can be used for electives contingent on a successful audition and approval of the department chair.

| | |
|---|-------|
| MUC, MUN, MUE, MVx, MUH, MUL, MUS, MUT (any course) (on the same performance medium) | 6 hrs |
| MUC, MUN, MUE, MVx, MUH, MUL, MUS, MUT (3000 or 4000 level course) | 3 hrs |

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

NONPROFIT MANAGEMENT: Minor/AMERICAN HUMANICS NATIONAL CERTIFICATION PROGRAM

College of Health and Public Affairs
Department of Public Administration, HPA 238
E-mail: ahminor@mail.ucf.edu

Campus Director: Stephanie Krick; 407-823-0661;

E-mail: skrick@mail.ucf.edu

The Nonprofit Management Minor/American Humanics National Certification Program at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students and community residents planning a career as a nonprofit professional working with America's youth and families. If all of the following requirements are met (including "Other Requirements"), the student can earn both a minor and National Certification in American Humanics. Students can, however, earn a minor in Nonprofit Management without pursuing the National Certification in American Humanics.

Credit Hour Requirements (18 hrs)
Required Courses (9 hrs)

| | | |
|---|---|-------|
| PAD 3930 | American Humanics Human Service Workshop (1 credit repeated three semesters) | 3 hrs |
| PAD 4948 | American Humanics Internship | 3 hrs |
| Internships within other programs may be accepted with prior approval of American Humanics advisor. | | |
| PAD 4144 | Nonprofit Organizations | 3 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

Restricted Electives (9 hrs)
Choose at least one course from each of the following three groups.

Group I: Nonprofit Accounting & Financial Management and Planning & Evaluation. 3 hrs

| | |
|----------|---|
| ACG 2021 | Financial Accounting* |
| ACG 2071 | Managerial Accounting* |
| DEP 2004 | Developmental Psychology* |
| DEP 3464 | Psychology of Aging* |
| EDG 4941 | Directed Field Experience* |
| MAN 3025 | Management of Organizations* ¹ |
| PAD 4131 | Public Sector Project Management |
| PAD 4204 | Fiscal Management |
| PAD 5850 | Grant and Contract Management* |
| PPE 3003 | Personality Theory* |
| SOW 3401 | Social Work Research Methods* |

Group II: Human Development and Human Resource Development, and Volunteerism 3 hrs

| | |
|----------|---|
| MAN 3301 | Management of Human Resources* |
| MAN 4101 | Human Relations in Management* |
| MAN 4320 | Human Resources Recruitment and Selection* |
| PAD 4414 | Public Personnel Administration |
| PAD 4148 | Volunteer Management |
| PAD 4153 | Planning and Improvement for Public Organizations |
| PAD 4325 | Program Evaluation for Public & Nonprofits* |
| SOW 3203 | Social Work & Community Resources |
| SOW 3104 | Assessing I - Human Development |

Group III: Communication & Marketing and Fund Raising Principles & Practices 3 hrs

| | |
|----------|--|
| COM 3110 | Business and Professional Communications* |
| GEB 3031 | The Cornerstone Course* |
| MAR 3023 | Marketing |
| MAR 3641 | Marketing Intelligence* |
| MAR 4803 | Marketing Management |
| PAD 4147 | Resource Development in the Nonprofit Sector |
| SOW 3352 | Interpersonal Skills in Social Work* |
| SPC 3301 | Interpersonal Communications |

Or

Public Affairs Emphasis

Restricted Electives (9 hrs)

Choose at least three courses from the following:

| | |
|----------|--|
| PAD 4148 | Volunteer Management |
| PAD 4153 | Planning and Improvement |
| PAD 4131 | Public Sector Project Management |
| PAD 4147 | Resource Development in the Nonprofit Sector |
| PAD 4204 | Fiscal Management |
| PAD 4223 | Public Budgeting* |
| PAD 4253 | Community and Economic Development* |
| PAD 4325 | Program Evaluation for the Public and Non-Profit Organization* |

Other Requirements for American Humanics National Certification

- Enrollment in American Humanics Certification Program through AH program office.
- Attendance at one national American Humanics Management Institute (additional fees)
- Membership in UCF American Humanics Student Association

*Indicates course has prerequisites or may be closed to students in the major. Please see catalog for details.

NORTH AMERICAN INDIAN STUDIES: Minor
College of Sciences

Department of Anthropology, PH 309

<http://www.cos.ucf.edu/anthropology>

E-mail: anthropology@ucf.edu

Contact: Rosalyn Howard, 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 Requirements:

- Interview with the North American Indian Studies Director.
- 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.

Credit Hour Requirements (18 hrs)

Required Courses (3 hrs)
ANT 4910 Research 3 hrs

Restricted Electives (15 hrs)

Courses used in the minor must be taken in at least two departments. Select from the following list.

| | |
|----------|------------------------------------|
| ANT 3245 | Religions of the N Amer Indians |
| ANT 3313 | Indians of the N Amer High Plains |
| ANT 3311 | Indians of the SE United States |
| ANT 3158 | Florida Archaeology |
| ANT 4906 | Independent Study |
| ANT 3314 | Indians of the NE Woodlands |
| ANT 3312 | Ethnology of N Amer Indians |
| ANT 3316 | Black/Seminole Relations |
| ANT 3320 | Indians of the Southwest |
| ANT 3318 | Indians of the Northwest Coast |
| AMH 3441 | History of the Frontier: E America |
| AMH 4110 | Colonial America |
| AMH 4112 | The Atlantic World |
| AML 3640 | Native American Literature |
| ANT 4144 | Prehistory of North America |
| ANT 4153 | North American Archaeology |
| PHH 3701 | North American Philosophy |
| SYD 3752 | Modern Law in Indian Country |
| SYD 3751 | N Amer Indian Women Today |

Other Requirements

- 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.
- No credit by exam (TSD, Military credit) may be used.
- Not open to Anthropology majors.

OPERATIONS MANAGEMENT/ENTERPRISE SYSTEMS: Minor

College of Business Administration

Department of MIS, BA 325, 407-823-3173/3174

Credit Hour Requirements 19 hrs

Prerequisite courses

| | |
|-----------|--|
| CGS 2100C | Computer Fundamentals for Business <i>or</i> |
| CGS 1060C | Intro to Computer Science (or equivalent) |
| MAC 1105 | College Algebra <i>or</i> |
| MGF 1106 | Finite Mathematics |

Required Courses 19 hrs

| | | |
|-----------|--|-------|
| ISM 3011C | Essentials of Management Information Systems | 4 hrs |
| ISM 3530 | Quality and Productivity Management | 3 hrs |
| ISM 4153 | Enterprise Information Systems | 3 hrs |
| ISM 4431 | Business Process Analysis | 3 hrs |

| | | |
|----------|------------------------------------|-------|
| ISM 4154 | Enterprise Application Development | 3 hrs |
| ISM 4400 | Decision Support Systems | 3 hrs |

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at 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.

PHILOSOPHY: Minor

College of Arts and Humanities

Department of Philosophy, PSY 220

<http://www.cah.ucf.edu/philosophy>

E-mail: philosophy@ucf.edu

Contact: Jennifer Mundale, 407-823-2273

The Philosophy minor is intended to provide a limited, yet substantive, introduction to philosophical themes related to knowledge, responsibility, and society. Students, in consultation with a departmental advisor, will select courses in accordance with the distributions listed below.

Credit Hour Requirements 21 hrs

Core Requirements (15 hrs)

Select one course from each of the following groups:

Reasoning (3 hrs)

| | |
|----------|-------------------------|
| PHI 2011 | Philosophical Reasoning |
| PHI 2101 | Critical Thinking |
| PHI 2108 | Formal Logic I |
| PHI 2647 | Logic and Ethics |
| PHI 3131 | Formal Logic II |

History of Philosophy (3 hrs)

| | |
|----------|---------------------------|
| PHH 3100 | Ancient Philosophy |
| PHH 3200 | Medieval Philosophy |
| PHH 3460 | Modern Western Philosophy |
| PHH 3600 | Contemporary Philosophy |

Values and Society (3 hrs)

| | |
|----------|--|
| PHI 3670 | Ethical Theory |
| PHI 3626 | Advanced Ethics in Science and Technology |
| PHM 3401 | Philosophy of Law |
| PHI 3800 | Aesthetics |
| PHM 3123 | Feminist Theories |
| PHI 3638 | Ethical Issues in the 21 st Century |
| PHI 3625 | Virtual Ethics |
| PHI 4633 | Ethics and Biological Science |
| PHM 3100 | Freedom and Justice |
| PHI 3640 | Environmental Ethics |
| PHM 4031 | Environmental Philosophy |
| PHH 3701 | Native American Philosophy |
| PHI 3805 | Contemporary Aesthetics |

Being and Knowing (3 hrs)

| | |
|----------|------------------------------|
| PHI 4500 | Metaphysics |
| PHI 4341 | Ways of Knowing |
| PHI 4300 | Theories of Knowledge |
| PHI 3700 | Philosophy of Religion |
| PHI 4400 | Philosophy of Science |
| PHI 3320 | Philosophy of Mind |
| PHI 3451 | Philosophy of Psychology |
| PHI 4420 | Philosophy of Social Science |
| PHI 3323 | Minds and Machines |
| PHP 4782 | Phenomenology |
| PHI 4221 | Philosophy of Language |

Topics in Philosophy (3 hrs)

| | |
|----------|--------------------------|
| PHI 4931 | Philosophy in the News |
| PHI 3683 | Philosophy of Friendship |

Minors

| | |
|----------|--|
| PHI 4321 | Philosophies of Embodiment |
| PHI 3648 | Ethical Issues of the Human Genome Project |
| PHI 3022 | Sexuality, Gender and Philosophy |
| PHI 3033 | Philosophy, Religion and the Environment |
| PHI 4804 | Critical Theory |
| PHP 3783 | Modernity as a Philosophical Problem |
| PHI 3750 | Problem of Evil |
| PHI 3720 | Faith and Reason |
| PHI 3803 | Philosophy and Creativity |
| PHI 3941 | Philosophy Practicum |
| REL 3111 | Religion and Philosophy through Film |
| PHP 3786 | Existentialism |

Upper Division 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.

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 prior approval by the Chair.
- Any substitutions must be approved by the department prior to being taken.

PHILOSOPHY, RELIGION AND

POPULAR CULTURE: Minor

College of Arts and Humanities

Department of Philosophy, PSY 220

<http://www.cah.ucf.edu/philosophy>

E-mail: philosophy@ucf.edu

Advisor (UCF Orlando Campus): Doug Evans, 407-823-2273;

Fax: 407-823-6658;

Advisor (Cocoa Campus): Shelley Park, 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.

Credit hour requirements 21 hrs

Note: Appropriate special topics in philosophy or humanities may be substituted for some core courses with prior approval by department advisor.

Theoretical Foundations (6 hrs)

| | |
|----------|-----------------|
| PHI 3684 | Ways of Living |
| PHI 4341 | Ways of Knowing |

Philosophy (3 hrs)

Select at least one course:

| | |
|----------|------------------------|
| PHI 2101 | Critical Thinking |
| PHI 3670 | Ethical Theory |
| PHI 3700 | Philosophy of Religion |
| PHI 3800 | Aesthetics |
| PHM 3100 | Freedom and Justice |
| PHI 3720 | Faith and Reason |
| PHP 3786 | Existentialism |
| PHI 4804 | Critical Theory |
| PHI 4300 | Theories of Knowledge |

Religion (3 hrs)

Select at least one course:

| | |
|----------|-----------------------------------|
| CLT 3378 | Comparative Mythology |
| HUM 3552 | Christian Thought |
| HUM 3553 | Moses, Jesus, and Mohammed |
| HUM 3417 | Hindu Thought and Culture |
| HUM 3419 | Islamic Thought and Culture |
| HUM 4303 | The Spiritual Ideal |
| HUM 4554 | Religious Quest and Human Dilemma |
| PHI 3750 | The Problem of Evil |

Popular Culture Studies (9 hrs)

A. Contemporary Media

| | |
|-----------------------------|------------------------------------|
| Select at least one course: | |
| HUM 3320 | Contemporary Multicultural Studies |
| HUM 4556 | Religion and the Arts |

| | |
|----------|--|
| HUM 4330 | Performance Theory |
| PHI 3625 | Virtual Ethics |
| PHI 4931 | Philosophy In the News |
| POS 3235 | Mass Media and Politics |
| POS 3258 | Politics in Film |
| REL 3115 | Religion, Spirituality and Popular Music |
| REL 3111 | Religion and Philosophy through Film |
| SYP 3630 | Sociology of Popular Culture |

B. Contemporary Forms of Life

Select at least one course:

| | |
|----------|--|
| ANT 3302 | Sex, Gender and Culture |
| HUM 3252 | Contemporary Humanities |
| PHI 3022 | Sex, Gender and Philosophy |
| PHI 3629 | Family Values |
| PHI 3033 | Philosophy, Religion and the Environment |
| PHM 3401 | Philosophy of Law |
| PHI 3638 | Ethical Issues in the 21 st Century |
| PHI 3683 | Philosophy of Friendship |
| PHM 3123 | Feminist Theories |
| PHI 4321 | Philosophies of Embodiment: Mind/Body/Self |
| REL 3131 | Religion In America |

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, MAP 310

<http://www.physics.ucf.edu>

E-mail: physics@ucf.edu

Contact: Talat S. Rahman, 407-823-2325

Not open to Physics majors.

Credit Hour Requirements 20 hrs

Required Courses (11 hrs)

| | | |
|-----------|---------------------------------------|-------|
| PHY 2048 | Physics for Eng and Sci I | 3 hrs |
| PHY 2048L | Physics Laboratory for Eng and Sci I | 1 hr |
| PHY 2049 | Physics for Eng and Sci II | 3 hrs |
| PHY 2049L | Physics Laboratory for Eng and Sci II | 1 hr |
| PHY 3101 | Physics for Eng and Sci III | 3 hrs |

Restricted Upper Division Electives (9 hrs)

Selected from upper-level Physics lecture or laboratory courses appropriate for majors

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- 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, PH 302

E-mail: politics@ucf.edu

<http://www.cos.ucf.edu/politicalscience>

Contact: Roger Handberg, 407-823-2608

Credit Hour Requirements 18 hrs

Required Course (3 hrs)

| | | |
|----------|------------------------------|-------|
| POS 2041 | American National Government | 3 hrs |
|----------|------------------------------|-------|

Restricted Upper Division Electives (15 hrs)

- Five upper division Political Science courses (selected with the aid of a departmental advisor)
- Only three hours of POS 4941L (Internship) may be used.

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.

- 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/PRELAW: Minor

College of Sciences
 Department of Political Science, PH 302
<http://www.cos.ucf.edu/politicalscience>

E-mail: politics@ucf.edu

Contact: Roger Handberg, 407-823-2608

Credit Hour Requirements **18 hrs**

Required Courses **(6 hrs)**

| | | |
|----------|-------------------------------|-------|
| POS 2041 | American National Government | 3 hrs |
| POS 4284 | Judicial Process and Politics | 3 hrs |

Restricted Elective **(3 hrs)**

| | | |
|----------|--------------------------------|--|
| INR 4401 | International Law I | |
| INR 4402 | International Law II | |
| POS 4603 | American Constitutional Law | |
| POS 4604 | American Constitutional Law II | |

Restricted Upper Division Electives **(9 hrs)**

- Three Upper Division Political Science Courses (selected with the aid of a departmental advisor)
- Only three hours of POS 4941L (Internship) may be counted

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

PSYCHOLOGY: Minor

College of Sciences
 Department of Psychology, PSY 301
<http://www.psych.ucf.edu/>

E-mail: psychology@ucf.edu

Contact: Psychology Advising Center, PSY 250, 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.

Credit Hour Requirements **25-27 hrs**

Required Courses **(10 hrs)**

| | | |
|-----------------------|------------------------------------|-------|
| PSY 2012 | General Psychology | 3 hrs |
| Select one STA course | | 3 hrs |
| STA 2014C | Principles of Statistics <i>or</i> | |
| STA 2023 | Statistical Methods I | |
| PSY 3204 | Statistical Methods in Psychology | 4 hrs |

Restricted Electives **(15-17 hrs)**

A. Experimental. Select one of the following: **3-4 hrs**

| | | |
|-----------|----------------------------------|--|
| EXP 3404 | Basic Learning Processes | |
| EXP 3204C | Perception | |
| EXP 3604C | Cognitive Psychology | |
| LIN 3703 | Psychology of Oral Communication | |
| PSB 4240C | Neuropsychology | |

B. Personality/Social. Select one of the following: **3 hrs**

| | | |
|----------|----------------------|--|
| PPE 3003 | Personality Theories | |
| SOP 3004 | Social Psychology | |

C. Developmental. Select one of the following: **3 hrs**

| | | |
|----------|------------------------------------|--|
| DEP 2004 | Developmental Psychology | |
| DEP 3202 | Psychology of Exceptional Children | |
| DEP 3464 | Psychology of Aging | |

D. Diversity. Select one of the following: **3 hrs**

| | | |
|----------|--------------------------------|--|
| CLP 3184 | Women's Mental Health | |
| SOP 3742 | Psychology of Women | |
| SOP 3723 | Cross Cultural Psychology | |
| SOP 3724 | Psychology of Racial Prejudice | |
| SOP 3784 | Psychology of Diversity | |

E. Select one additional Psychology elective **3-4 hrs**

Note: INP 3141C, INP 3951, PSY 3905, PSY 4906, PSY 4912 will not fulfill this requirement.

PSY 3951 will not fulfill this requirement without prior approval.

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- 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.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Not open to psychology majors

PUBLIC ADMINISTRATION: Minor

College of Health and Public Affairs
 Department of Public Administration, HPA2 238

Contact: Ronnie Korosec, 407-823-2604,

E-mail: rkorosec@mail.ucf.edu

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.

Credit Hour Requirements **18 hrs**

Required Courses **(18 hrs)**

| | | |
|----------|-------------------------------------|-------|
| PAD 3003 | Public Admin 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 Admin | 3 hrs |

Other Requirements

- A minimum GPA of 2.0 is required in all courses 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

Open to Business and Non-Business Students

Not available to Real Estate Majors

College of Business Administration

Dr. P. Phillips School of Real Estate, BA 409

<http://www.bus.ucf.edu/finance>

Credit Hour Requirements **19 hrs**

Prerequisite Courses

| | | |
|----------|-------------------------------------|--|
| ACG 2021 | Principles of Financial Accounting | |
| ACG 2071 | Principles of Managerial Accounting | |
| ECO 2013 | Principles of Macroeconomics | |
| ECO 2023 | Principles of Microeconomics | |

Required Courses **(13 hrs)**

| | | |
|----------|----------------------------------|-------|
| FIN 2100 | Personal Finance and Investments | 3 hrs |
| FIN 3403 | Business Finance | 4 hrs |
| REE 3043 | Fundamentals of Real Estate | 3 hrs |
| REE 3433 | Real Estate Law | 3 hrs |

Electives (select two of the following) **(6 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 |

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.

Minors

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of required or elective coursework (from Required Courses and Electives above) can count toward another major or minor degree program.

RECREATION: Minor

College of Education

Department of Child, Family and Community Sciences, ED 209

Program Coordinator: Debby Mitchell, ED 320H, 407-823-6598;
E-mail: mitchell@mail.ucf.edu

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.

Credit Hour Requirements **18 hrs**

Required Courses **(18 hrs)**

| | | |
|----------|--------------------------|-------|
| PEO 3041 | Games Analysis | 3 hrs |
| PET 3765 | Coaching Theory | 3 hrs |
| PET 3820 | Teaching Sports Skills I | 3 hrs |

Restricted Electives - Choose 3 classes from the following:

| | | |
|-----------|--|-------|
| DAE 3370 | Dance and Rhythms | 3 hrs |
| PET 3771 | Fitness and Conditioning Concepts | 3 hrs |
| PET 4050C | Motor Development and Learning | 3 hrs |
| PET 4312 | Biomechanics | |
| SPM 3130 | Aquatic Management | |
| PET 3771 | Fitness and Conditioning Concepts | |
| PET 4002 | Outdoor and Leisure Activities | |
| SPM 3204 | Sports and Ethics | |
| SPM 3415 | Public Relations in Sports and Fitness | |
| PET 3361 | Nutrition for Sports and Fitness | |

Other Requirements

- No grades below "C" (2.0) will be accepted
- All of these hours must be earned at UCF
- No credit by exam, (TSD, Military credit) may be used
- Independent study credit cannot be used toward the minor

RELIGIOUS STUDIES: Minor

College of Arts and Humanities

Department of Philosophy

PSY 220, 407-823-2273; Fax: 407-823-6658

<http://www.cah.ucf.edu/philosophy>

E-mail: religion@mail.ucf.edu

Program Director: Claudia Schippert, 407-823-2273

The religious studies minor provides a limited yet coherent range of courses which introduce the student to a range of religious institutions and ideas. Courses are drawn from the departments of Anthropology & Sociology, Art, English, History, Judaic Studies, Philosophy, Political Science, and Psychology, and are to be selected in consultation with the Religious Studies advisor.

Credit Hour Requirements **21 hrs**

Required Courses **(3 hrs)**

| | | |
|----------|-----------------|-------|
| REL 2300 | World Religions | 3 hrs |
|----------|-----------------|-------|

Restricted Electives (select from the following courses)

Religion, Humanities, Classics, and Philosophy courses (12 hrs)

| | | |
|----------|---|--|
| REL 3131 | Religion in America | |
| REL 3115 | Religion, Philosophy and Film | |
| REL 3111 | Religion, Spirituality, and Popular Music | |
| REL 3432 | Roots of Western Mysticism | |
| REL 3340 | Buddhist Thought | |
| REL 4110 | Religion and the Arts | |

| | | |
|----------|---|--|
| REL 4180 | Religion and Medicine | |
| HUM 3320 | Contemporary Multicultural Studies | |
| HUM 3401 | Asian Humanities | |
| HUM 3417 | Hindu Thought and Culture | |
| HUM 3419 | Islamic Thought and Culture | |
| HUM 3552 | Christian Thought | |
| HUM 3553 | Moses, Jesus, and Mohammed | |
| HUM 4303 | The Spiritual Ideal | |
| HUM 4330 | Performance Theory | |
| HUM 4554 | Religious Quest and the Human Dilemma | |
| CLT 3370 | Classical Mythology | |
| CLT 3378 | Comparative Mythology | |
| PHI 3033 | Philosophy, Religion, and the Environment | |
| PHI 3638 | Ethical Issues in the 21st Century | |
| PHI 3672 | Animal Ethics | |
| PHI 3684 | Ways of Living | |
| PHI 3700 | Philosophy of Religion | |
| PHM 3020 | Philosophy of Love | |
| PHI 4321 | Philosophy of Embodiment: Mind/Body/Self | |
| PHI 4341 | Ways of Knowing | |
| PHI 4804 | Critical Theory | |
| PHM 3100 | Freedom and Justice | |
| PHP 3786 | Existentialism | |

Courses offered through other Departments **(6 hrs)**

| | | |
|----------|---|--|
| AML 3615 | Harlem, Haiti, and Havana | |
| ANT 3241 | Magic, Ritual, and Belief | |
| ANT 3245 | Native American Religions | |
| ASH 3222 | Islam and its Empires | |
| ASH 3223 | The Modern Middle East | |
| JST 3401 | The Jewish People I | |
| JST 3402 | The Jewish People II | |
| JST 3550 | Introduction of Modernism into Judaism | |
| JST 3701 | History of the Holocaust | |
| JST 3751 | Literature of the Holocaust | |
| JST 3005 | Tenets of Judaism | |
| JST 3125 | The Book of Job | |
| JST 3144 | Dead Sea Scrolls | |
| JST 3450 | Modern Jewish Experience | |
| JST 3810 | The Jewish National Movement and Roots of Zionism | |
| LIT 3202 | Death and Dying | |
| LIT 4374 | Literature of the Bible | |
| POT 4632 | Religion and Politics | |
| SYO 4200 | Sociology of Religion | |

Note: Other courses, including special topics, may be applied toward the Minor with the approval of the Director.

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 prior approval by the Director.

SCIENCE EDUCATION: Minor

(Open to Non-Science Education Majors)

College of Education

Department of Teaching and Learning Principles

ED 209

<http://education.ucf.edu/science/>

Program Coordinator: Aldrin Sweeney, ED 123L, 407-823-2561;

E-mail: asweeney@pegasus.cc.ucf.edu

The Science Education minor is intended for non-Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Credit Hour Requirements **19 hrs**

| | | |
|----------|--|-------|
| EDG 4410 | Teaching Strategies and Classroom Management | 3 hrs |
| EDF 4467 | Learning Theory and Assessment | 3 hrs |
| TSL 4080 | Theory and Practice of Teaching ESOL Students In Schools | 3 hrs |
| RED 4043 | Content Reading Kindergarten thru Grade 12 | 3 hrs |
| SCE 4360 | Science Instructional Analysis | 4 hrs |
| SCE 4361 | Programs in Teaching Science | 3 hrs |

Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Other Requirements

- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in science as co-requisites
- At least 12 hours in the minor must be earned at UCF

**SECURE COMPUTING AND NETWORKS (SCAN):
Interdisciplinary Minor**

College of Engineering and Computer Science
CECS Academic Affairs, ENGR 107
<http://www.cecs.ucf.edu>

Contact: Kim Small, 407-823-2455, E-mail: ksmall@mail.ucf.edu

Credit Hour Requirements

18 hrs

Required Courses

(9 hrs)

| | | |
|--------------------|---------------------------------------|-------|
| CIS 3360 | Security in Computing | 3 hrs |
| CIS 3362 | Cryptography and Information Security | 3 hrs |
| Select one: | | |
| CNT 4703C | Network Labs | 3 hrs |
| CNT 4704 | Computer Communications Network | 3 hrs |
| CET 4483 | Local Area Networks | 3 hrs |
| EEL 4781 | Computer Networks | 3 hrs |

Elective Courses

(9 hrs)

Select any three courses from the following list:

| | | |
|--|---|-------|
| Network Security: | | |
| CET 4663 | Computer and Network Security | 3 hrs |
| or CNT 4403 | Network Security and Privacy | |
| CET 4882 | Network Defense Strategies | 3 hrs |
| Security Management and Administration: | | |
| CET 4668 | Practice of Information Security | 3 hrs |
| CET 4884 | Security Methods & Practices | 3 hrs |
| CET 4885 | Investigative Digital Technology | 3 hrs |
| Secure Software: | | |
| CIS 4361 | Secure Operating Systems and Administration | 3 hrs |
| CIS 4615 | Secure Software Development and Assurance | 3 hrs |
| COP 4600 | Operating Systems | 3 hrs |

Other Requirements

- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor
- Pre-requisites to the minor include Programming in C (COP 3223, EGN 3211, CET 2364, or an equivalent) and Math for Calculus (MAC 2147), or equivalent
- 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
(Open to Non-Social Science Education Majors)**

College of Education
Department of Teaching and Learning Principles
ED 209

<http://education.ucf.edu/ssed/>

Program Coordinator: Scott Waring, ED 123H, 407-823-1766;
E-mail: swaring@mail.ucf.edu

The Social Science Education minor is intended for non-Social Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Credit Hour Requirements

19 hrs

| | | |
|----------|---|-------|
| EDG 4410 | Teaching Strategies and Classroom Management | 3 hrs |
| EDF 4467 | Learning Theory and Assessment | 3 hrs |
| TSL 4080 | Theory and Practice of Teaching ESOL Students In Schools | 3 hrs |
| RED 4043 | Content Reading Kindergarten thru Grade 12 | 3 hrs |
| SSE 4361 | Social Science Instructional Analysis | 4 hrs |
| SSE 4936 | Programs in Teaching Social Science | 3 hrs |

Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Other Requirements

- Students should see an advisor prior to registering for classes
- Students must complete 18 sh of courses in science as co-requisites
- At least 12 hours in the minor must be earned at UCF

SOCIAL SCIENCES - INTERDISCIPLINARY: Minor

College of Sciences
Department of Sociology, PH 403, 407-823-3744
<http://sociology.ucf.edu/>

E-mail: sociology@ucf.edu

Contact: J. Corzine, 407-823-3744

Not open to Social Sciences majors.

Credit Hour Requirements

21-22 hrs

Required Courses

(3-4 hrs)

| | |
|--|--|
| One method course, selected from the three immediately below | |
| POS 3703 | Scope and Methods of Political Science |
| PSY 3213C | Research Methods in Psychology |
| SYA 4300C | Research Methods (Sociology) |

Restricted Electives

(18 hrs)

Select a minimum of six hours in each of three different disciplines below. The courses below cannot overlap with your major discipline.

- Communication
- Economics
- Political Science
- Public Administration
- Psychology
- Sociology & Anthropology

Other Requirements

- Students must earn a grade "C" or above (2.0) in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- At least 18 hours must be upper division classes.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

SOCIOLOGY: Minor

College of Sciences
Department of Sociology, PH 403
<http://sociology.ucf.edu/>

E-mail: sociology@ucf.edu

Contact: Jay Corzine, 407-823-3744

Credit Hour Requirements

18 hrs

Required Courses

(3 hrs)

| | | |
|----------|-------------------|-------|
| SYG 2000 | General Sociology | 3 hrs |
|----------|-------------------|-------|

Restricted Electives

(3 hrs)

2000-4000 level Sociology courses

Restricted Upper Division Electives

(12 hrs)

3000-4000 level Sociology courses

Other Requirements

- 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.
- No credit by exam (TSD, Military credit) may be used.
- Co-op or internship credit cannot be used toward the minor.
- No more than 3 hours of Independent Study credit can be used toward the minor.
- Not open to Sociology majors.

Minors

SPACE STUDIES: Minor

College of Engineering and Computer Science
Department of Engineering Technology, ENGR 207
Contact: N.Y. Misconi, 407-823-4751; Fax: 407-823-4746

In response to the needs of the Central Florida space community, UCF offers a multidisciplinary Minor in Space Studies. It is intended for students of all disciplines.

Credit Hour Requirements 18 hrs
Required Courses (9/10 hrs)

| | | |
|-------------|------------------------------------|---------|
| AST 2002 | Astronomy | 3 hrs |
| PHY 2053C | College Physics I | 3/4 hrs |
| or PHY 2048 | Physics for Engineers & Scientists | |
| ETI 4836 | Space Systems Technology | 3 hrs |

Restricted Electives (9 hrs)

| | |
|--------------|---|
| EMA 4103 | Space Environment Technology |
| ETI 4150 | Space QA and Testing |
| ETI 4835 | Rocket Propulsion Technology |
| ETI 4838 | Flight Dynamics Technology |
| ETI 4381 | Ground System Design |
| EST 3222 | Introduction to Photonics |
| GEO 1200 | Physical Geography |
| or GEO 2370 | Resources Geography |
| or GLY 1030 | Geology and its Applications |
| GIS 4035C | Remote Sensing of the Environment |
| AST 4142 | Asteroids, Comets, and Meteorites |
| AMH 4376 | U. S. Space History |
| CHS 1440 | Fundamentals of Chemistry for Engineers |
| or CHM 2045C | Chemistry Fundamentals I |
| or CHM 1032 | General Chemistry |

Other Requirements

- Formal declaration of the minor should occur before nine credit hours have been completed.
- 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.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

SPANISH: Minor

College of Arts and Humanities
Modern Languages and Literatures, CNH 523
<http://mll.cah.ucf.edu/>
E-mail: forlang@mail.ucf.edu
Contact: P. Giordano, 407-823-2472

Credit Hour Requirements 18 hrs

Restricted Electives

- Select six upper division courses in Spanish, including the 3000-level advanced grammar (SPN 3300), advanced oral communication (SPN 3760), and composition courses (SPN 3420).
- 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.

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: Minor (*Business Majors, Business Undecided, and Business Pending only)

College of Business Administration
DeVos Sports Business Management, BA2 205
Contact: K. Harrison, 407-823-1158, E-mail: kharrison@bus.ucf.edu

Completion of Common Program Pre-requisites and Admission to a major within the College of Business Administration

Credit Hour Requirements 18 hrs

| | | |
|-------------------------|--|---------------|
| Required Courses | | 12 hrs |
| SPB 3003 | Introduction to Sport Business Management | 3 Hrs |
| SPB 3603 | Diversity and Social Issues in Sport Business Management | 3 Hrs |
| SPB 3823 | Role of Business Entrepreneurship in Sport/Ent | 3 Hrs |
| MAR 4711 | Sports Marketing | 3 Hrs |

| | | |
|-----------------------------|------------------------------------|--------------|
| Restricted Electives | | 6 hrs |
| MAN 4701 | Business Ethics and Society | 3 Hrs |
| SPB 4304 | Event and Facility Management | 3 Hrs |
| SPB 4804 | Sport Business and Media Marketing | 3 Hrs |
| MAR 3023 | Marketing | 4 hrs |

Other Requirements:

- A minimum GPA of 2.5 is required in all courses to satisfy the minor.
- Grades below "C" (2.0) or "S" grades.
- At least 9 hours used in the minor must be earned at UCF within the DeVos Sport Business Management Program.
- No credit by exam (CLEP, TSD, Military credit) may be used.
- In some cases, Internship, Independent Study, or Directed Research credit hours may be approved toward the minor by the Department Chair.
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

*Students can take any minor courses if they are a Business major. If they are Business Undecided or Business Pending, they can take the three SPB required courses (SPB 3003, SPB 3603, and SPB 3823). At the time of graduation, students will have to be a Business major to qualify for a minor in Sport Business Management.

STATISTICS: Minor

College of Sciences
Department of Statistics and Actuarial Science, CC II 212
<http://statistics.cos.ucf.edu/>
E-mail: statistics@ucf.edu
Contact: Xiaogang Su, 407-823-2940

Credit Hour Requirements 18 hrs
Required Courses (9 hrs)

| | | |
|-------------------|--|-------|
| Select one course | | 3 hrs |
| STA 2023 | Statistical Methods I or | |
| STA 3032 | Probability and Statistics for Engineers | 3 hrs |
| STA 4163 | Statistical Methods II | 3 hrs |
| STA 4164 | Statistical Methods III | 3 hrs |

Restricted Upper Division Electives (9 hrs)

Select from upper division STA prefix courses taught within the Statistics and Actuarial Science Department.
(STA 3032 cannot be used)

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.

TECHNICAL EDUCATION and INDUSTRY TRAINING: Minor

College of Education
Department of Teaching and Learning Principles,
ED 209

<http://reach.ucf.edu/~technical/>
Contact: Jo Ann M. Whiteman, ED 115D, 407-823-2848
or 407-325-6293; E-mail: jwhitema@mail.ucf.edu

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.

Credit Hour Requirements 18 hrs
Entrance requirements Junior standing

| | | |
|-------------------------|--|---------------|
| Required courses | | 18 hrs |
| ADE 4382 | Teaching Adult Learners | 3 hr |
| EVT 4368 | Advanced Teaching Techniques in Vocational Education | 3 hr |
| EVT 3062 | Professional Role of the Vocational Teacher | 3 hr |
| EVT 3367 | Evaluation in Vocational Education | 3 hr |
| EVT 4169 | Curriculum Development for Industry Training | 3 hr |
| EVT 4065 | Principles and Practices in Vocational Education | 3 hr |

Other requirements

- A minimum of 4 courses of the 6 required must be completed at UCF within the Program of courses listed above.
- A grade of "C" (2.0) or better must be achieved in each course used for this Minor.
- Internship, Co-op, or Independent Study credit cannot be used towards this Minor.
- No Military credit can be used toward this Minor.
- Completion of this Minor does not complete requirements for certification as a Vocational Education teacher nor does it constitute admission to the College of Education.

TECHNOLOGICAL ENTREPRENEURSHIP:

Interdisciplinary Minor

College of Business Administration

& College of Engineering and Computer Science

Department of Management, BA1 - 307

407-823-5569; Fax: 407-823-3725

<http://www.cei.ucf.edu>

Contact: Cameron Ford; E-mail: cford@bus.ucf.edu

The Technological Entrepreneurship Minor offers students an opportunity to blend deep discipline-specific expertise with broad entrepreneurial thinking skills. Combining disciplinary depth with entrepreneurial breadth promotes the introduction of innovations to society and creates economic rewards to those who champion those innovations. This minor will prepare students in any engineering, science, technology or business discipline to create, enhance or manage a technology venture. Topics covered would include evaluating opportunities for commercializing innovations, analyzing markets and competitors, assessing options for protecting intellectual property, and exploring options for establishing and financing technology ventures.

| | | |
|---------------------------------|--|---------------|
| Credit Hour Requirements | | 18 hrs |
|---------------------------------|--|---------------|

Required Courses (9 hrs)

| | | |
|----------|--------------------------------|-------|
| GEB 3113 | How to Start a Business | 3 hrs |
| GEB 4152 | Technological Entrepreneurship | 3 hrs |
| GEB 4110 | Business Plan Preparation | 3 hrs |

Restricted Electives (9 hrs)

| | |
|--|---------|
| Innovation design or research sequence | 6 hrs* |
| Discipline-specific or experiential sequence | 3 hrs** |

* Any 6-credit sequence approved by the program coordinator in coordination with faculty in partner discipline that addresses discipline-specific innovation and commercialization processes. These may include senior design courses, capstone research sequences, or relevant honors theses. Examples of approved course sequences for the minor include:

- All engineering, interdisciplinary students (e.g., business): EGN 4412C & EGN 4413C
- BSEE, BSCPE: EEL 4914 & EEL 4915L
- BSME: EML 4501C & EML 4502C
- BSCE: CCE 4810C & CEG 4801C
- BSAE: EAS 4700C & EAS 4710C

** 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 4xxx), internships in small or technology-based companies, lecture series, or field research courses that specifically address entrepreneurship or innovation.

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.

TECHNOLOGY AND SOCIETY: Minor

College of Engineering and Computer Science

Contact: Ronald Eaglin, ENGR 207

The College of Engineering and Computer Science offers a minor in Technology and Society to interested UCF students. The minor is intended for students not enrolled in the College of Engineering and Computer Science, although students in the College may also be awarded the minor.

| | |
|---------------------------------|---------------|
| Credit Hour Requirements | 18 hrs |
|---------------------------------|---------------|

Suggested Prerequisite Courses

| | |
|----------|-------------------------------------|
| MAC 1105 | College Algebra |
| GEP | Cultural and Historical Foundations |

Restricted Upper Division Electives

A minimum of nine hours must be taken from the CET/EST/ETI prefix courses listed below

| | |
|----------|---|
| CET 3010 | Introduction to Information Technology |
| EST 3222 | Introduction to Photonics |
| ETI 3671 | Technical Economic Analysis |
| ETI 4205 | Applied Logistics |
| ETI 4635 | Technical Administration |
| ETI 4700 | Occupational Safety |
| ETI 4836 | Space Systems Technology |
| GEO 2370 | Resources Geography |
| LIT 3313 | Science Fiction |
| LIT 4433 | Survey of Technical and Scientific Literature |
| PUP 3203 | Environmental Politics |
| PUP 4503 | Government and Science |
| PUP 4510 | Space Policy |

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.
- Prerequisites for any course must be met prior to enrollment. Some courses may have prerequisites not required for the student's major/minor.

THEATRE: Minor

College of Arts and Humanities

Department of Theatre, UTC 180

<http://www.theatre.ucf.edu>

E-mail: theatre@ucf.edu

Contact: Earl Weaver, 407-823-3638, E-mail: eweaver@mail.ucf.edu

| | |
|---------------------------------|---------------|
| Credit Hour Requirements | 18 hrs |
|---------------------------------|---------------|

Entrance Requirement

A successful interview and current resume

| | |
|-------------------------|-----------------|
| Required Courses | (18 hrs) |
|-------------------------|-----------------|

Note: The number assigned to courses may change. Use the Prefix and title to determine the proper course.

| | | |
|----------|----------------|-------|
| THE 2000 | Theatre Survey | 3 hrs |
|----------|----------------|-------|

OR

| | | |
|-----------|---|-------|
| THE 2020 | Survey of Theatre for Majors | |
| THE 2304 | Script Analysis | 3 hrs |
| THE 3311 | Theatre History and Dramatic Literature I | 3 hrs |
| TPP 2101 | Fundamentals of Acting | 3 hrs |
| TPA 2201 | Technical Theatre Production | 2 hrs |
| TPA 2201L | Technical Theatre Production Lab | 1 hr |

Electives: (3 hrs)
Any DAA, DAN, THE, TPA, or TPP course as approved by the department

Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- Student must consult theatre advisor every semester. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions.
- At least 12 hours used toward the minor must be earned from the UCF Theatre Department. Transfer credits are allowed, but student must still complete 12 credits from UCF Theatre Department.

Minors

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

URBAN AND REGIONAL PLANNING: Minor

College of Health and Public Affairs

Department of Public Administration, HPA2 238

Contact: Jay Jurie, 407-823-2604, E-mail: jurie@mail.ucf.edu

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.

Credit Hour Requirements

21 hrs

Required Courses

(21 hrs)

| | | |
|----------|--|-------|
| PAD 3330 | Urban and Regional Planning | 3 hrs |
| PAD 4712 | Information Systems for Public Managers and Planners | 3 hrs |
| PAD 4331 | Land Use and Planning | 3 hrs |
| PAD 4334 | Urban Design | 3 hrs |
| PAD 4253 | Community and Economic Development | 3 hrs |
| PAD 4351 | Issues in Environmental Program Management | 3 hrs |
| PAD 4803 | Issues in Urban Administration | 3 hrs |

Suggested Courses

Students in the Minor program are strongly encouraged to take the following courses as electives to enhance their understanding of the field.

| | |
|----------|------------------------------------|
| PAD 4110 | Intergovernmental Relations |
| PAD 4390 | Hazard Mitigation and Preparedness |
| PAD 4392 | Emergency Mgmt/Homeland Security |

Other Requirements

- A minimum grade of "C" (2.0) is required in each course used to satisfy the minor.
- At least 15 hours used to satisfy the minor must be earned at UCF within the department.
- Internship or Independent Study credit cannot be used toward the minor.
- No credit by exam (TSD, Military credit) may be used.

WOMEN'S STUDIES: Minor

College of Arts and Humanities

<http://womensstudies.cah.ucf.edu>

E-mail: womenst@ucf.edu

Contact: K. M. Oliver, 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.

Credit Hour Requirements

18 hrs

Required Courses

(6 hrs)

| | | |
|----------|---------------------------------|-------|
| WST 3015 | Introduction to Women's Studies | 3 hrs |
| PHM 3123 | Feminist Theories | 3 hrs |
| LIT 4554 | Advanced Feminist Theories | 3 hrs |
| WST 3561 | Third Wave Feminisms | 3 hrs |

Elective Courses (4 courses)

(12 hrs)*

*Students must 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 3XXX | Women and Leadership |
| WST 3500 | Gender Issues in Community Activism |
| WST 3460 | Womanist Studies |
| WST 4002 | Research on Women and Gender |

Women's History

| | |
|----------|------------------------------|
| AMH 3561 | Women in American History I |
| AMH 3562 | Women in American History II |
| ASH 4304 | Women in China |
| EUH 4610 | Women in European Society |

Representations of Women

| | |
|----------|---------------------------------------|
| AML 3283 | Contemporary American Women's Fiction |
| ARH 4892 | Women in Art |
| COM 4014 | Gender Issues in Communication |
| FIL 3880 | Women in Film |
| LIT 3383 | Women in Literature |
| LIT 3823 | Hispanic Women Writers |
| PHI 3022 | Sexuality, Gender & Philosophy |

Women's Wellness

| | |
|-------------|--------------------------------|
| CLP 3184 | Women's Mental Health |
| NUR 4936 | Women's Health Issues |
| PEM 2405 or | Self Defense for Women and Men |
| SOP 2772 | Sexual Behavior |
| SOP 3742 | Psychology of Women |

Women and Social Policy

| | |
|----------|--------------------------------------|
| ANT 3302 | Sex, Gender and Culture |
| ANT 4308 | Women and Gender Issues in Lat Am |
| CCJ 4670 | Women and Crime |
| CCJ 4681 | Domestic Violence and Justice System |
| CPO 4710 | Women and Comparative Politics |
| INR 4085 | Women, Gender, and Globalization |
| PUP 3325 | Women and Political Behavior |
| PUP 4323 | Women and Public Policy |
| SYD 3751 | North American Indian Women Today |
| SYD 3800 | Sex Roles in Modern Society |
| SYD 4810 | Women in Contemporary Society |
| SYD 4813 | Women and Social Policy |
| SYO 4100 | Family Trends |

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, CL-I 302

<http://www.is.ucf.edu>

E-mail: is@mail.ucf.edu

Contact: Interdisciplinary Studies Advising Team, 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.

Total Credit Hour Requirements

(18 hrs)

Foundation Requirement

(3 hrs)

| | |
|----------|---------------------------|
| IDS 3333 | World Comparative Studies |
|----------|---------------------------|

Thematic Concentrations Restricted Electives

(15 hrs)

Select five courses from within one of the concentrations (A-F) below. Courses not on the list may be taken with the prior approval of the program advisor. 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.

A. Language and Culture

| | |
|----------|----------------------------------|
| AML 3615 | Harlem, Haiti, and Havana |
| ANT 3640 | Language and Culture |
| ANT 3145 | Archaeology of Complex Societies |
| ANT 3319 | The Anthropology of Diaspora |
| ANT 3212 | Peoples of the World |

ANT 4702 Culture, Power and Development
 FSS 3008 Culture and Cuisine
 HFT 4866C Exploring Wines of the World
 HFT 3868 History and Culture of Wine
 HFT 4894 International Gastronomy
 HUM 3419 Islamic Thought 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.

B. Economics

ANT 4702 Culture Power and Development
 ECO 3703 International Trade
 ECO 4704 International Macroeconomics
 ECO 4701 Seminar in Global Economic Policy
 ECS 4013 Economics of Developing Areas
 ECP 3302 Economics and the Environment
 HFT 3700 Tourism Management
 INR 4035 International Political Economy

C. Biological and Geophysical Environment

IDS 3150 Foundations of Environmental Studies
 ECP 3302 Economics and the Environment
 SYD 4510 Environmental Sociology
 HFT 4735 Tourism Geography
 INR 4351 International Environmental Law
 ENV 3001 Intro to Environmental engineering
 GIS 3043C GIS for Environmental Studies
 GIS 4035C Remote Sensing of the Environment
 PHI 3033 Philosophy, Religion, and the Environment
 PHI 3640 Environmental Ethics

D. Social Structure and Change

ANT 3145 Archaeology of Complex Societies
 ANT 3273 Law and Culture
 ANT 4702 Culture Power and Development
 PLA 4830 World Legal Systems
 SOW 5109 Violence Against Women
 SYP 4454 Sociology of the Global System

E. Media and Communication

FIL 3845 World Cinema Traditions
 FIL 3841 International Cinema
 FIL 4844 Africana Cinema
 COM 4461 Intercultural Communication
 LIN 4643 Cross Cultural Communication
 THE 3212 Global Theater

F. 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 Proficiency Requirement

(0-8 hrs)

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.



CERTIFICATES

ADDICTIONS: Certificate

College of Health and Public Affairs
School of Social Work, HPA 204
E-mail: socialwk@mail.ucf.edu

BSW Coordinator: 407-823-2114

This certificate is awarded only to students in the undergraduate social work program (BSW). Addiction courses may be taken as electives by non-majors and be applied to the state certification. The Addictions Certificate is designed to prepare students to work in the field of addictions. This certificate addresses the role and significance of addictions on crime rates, health care, disabilities, human services, traffic safety, sexual assault, domestic violence and child abuse, the workplace and cost to the employers. Addictions have a profound impact on the lives of many people, their families, and their communities. Students will learn about patterns of addictions in society and prevention and intervention strategies. The certificate program focuses on social work skills in the area of addictions. The certificate program will enable students to earn credit toward their certification through the Certification Board for Addiction Professionals of Florida but not the certificate program.

Admission Requirement:

This certificate is only awarded to students in the undergraduate social work program (BSW). Students not in the social work program but enrolled in their junior or senior year at UCF may take the addictions courses to be applied toward their state certification through the Certification Board for Addiction Professionals of Florida.

Credit Hour Requirements: 12 hrs

Required Courses:

| | | |
|----------|--------------------------------------|-------|
| SOW 4706 | Interventions with Substance Abusers | 3 hrs |
| SOW 3352 | Practice II: Interpersonal Skills | 3 hrs |
| SOW 4341 | Micro-Level Roles and Interventions | 3 hrs |

Restricted Electives:

Select from one of the following:

| | | |
|----------|--|-------|
| SOW 4705 | Prevention and Treatment of Adolescent Substance Abuse | 3 hrs |
| SOW 4906 | Independent Study in Addictions – (i.e. Women in Treatment, Drug Control Policy, etc.; Can be taught by any faculty teaching one of the above courses) | 3 hrs |
| CCJ 4651 | Drugs and Crime | 3 hrs |

AGING STUDIES: Undergraduate Certificate

College of Health and Public Affairs
School of Social Work, HPA 204
E-mail: socialwk@mail.ucf.edu

BSW Coordinator: HPA 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 as well as non-degree seeking students. This certificate prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful. The certificate may be completed as a fully web-based program. A required internship, along with course options that include service-learning activities, complements the web-based course of study.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements 15 hrs

Required Course

| | | |
|----------|---|-------|
| GEY 3001 | Gerontology: Interdisciplinary Overview | 3 hrs |
|----------|---|-------|

Required Internship: (Select one) 3 hrs

| | | |
|-------------------------------|---|-------|
| SOW4510 <i>or</i> SOW 4941 | Field Education (for full-time students) <i>or</i> Field Education (for part-time students over two semesters) | 9 hrs |
| HSA 4941 | Internship | 3 hrs |
| PSY 3951 | Internship | 3 hrs |
| SYP 4941 | Internship | 3 hrs |

Electives (9 hrs)

- Students select three additional courses from the following: (a maximum of two courses in their College and at least one course must be outside their college).

College of Health and Public Affairs

| | | |
|----------|----------------------------------|-------|
| HSA 4220 | Long Term Care | 3 hrs |
| HSA 3222 | Long Term Administration | 3 hrs |
| HSC 4564 | Health Care Needs of the Elderly | 3 hrs |
| NUR 4286 | Gerontologic Nursing | 3 hrs |
| PLA 4530 | Legal Issues of the Elderly | 3 hrs |
| SOW 4645 | Social Services for the Elderly | 3 hrs |

Other Colleges:

| | | |
|-----------|---------------------|-------|
| DEP 3464 | Psychology of Aging | 3 hrs |
| SYP 4730 | Sociology of Aging | 3 hrs |
| GEY 5007* | Women and Aging | 3 hrs |
| LIT 3930 | Literature of Aging | 3 hrs |
| SYP 4732 | Minority Aging | 3 hrs |

*Open to undergraduates with senior standing

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C" (2.0) are not accepted.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study cannot be used toward the minor.

AMERICAN SIGN LANGUAGE (ASL): Certificate

College of Health and Public Affairs
Department of Communication Sciences and Disorders,
HPA2, Suite 101

<http://www.cohpa.ucf.edu/comdis>

Undergraduate Program Director: Jamie B. Schwartz, 407-823-4798,
E-mail: jschwartz@mail.ucf.edu

This certificate is designed to provide students with the conversational competency in ASL to communicate with deaf and hard of hearing individuals who use ASL as their primary mode of communication. In addition, students completing the certificate program would have the prerequisite skills to seek further instruction in Interpreter Education. More specifically, the certificate program is designed for individuals who wish to enhance their ability to communicate with the Deaf community and to enhance their employment potential, including undergraduate students majoring in communication sciences and disorders, general and special education, psychology, theater, the health professions, and other disciplines; students at area community colleges; professionals working in Central Florida; and the general public.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements 16 hrs

Required Courses

| | | |
|----------|--|-------|
| ASL 2140 | Introduction to American Sign Language | 4 hrs |
| ASL 2150 | Intermediate American Sign Language | 4 hrs |
| ASL 4161 | American Sign Language III | 4 hrs |
| ASL 4201 | American Sign Language IV | 4 hrs |

Other Requirements

- A minimum grade of "C-" (1.75) is required in each course.
- Students must earn an overall GPA of 2.0 in courses used to complete the certificate.
- At least 8 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 credit may be used toward the certificate.

BEHAVIORAL FORENSICS: Certificate

College of Sciences
Psychology Department, PSY 301

<http://www.psych.ucf.edu/>

E-mail: kmottare@mail.ucf.edu

Contact: Karen Mottarella, 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 psychosocial aspects of criminal behavior. Courses within the certificate focus on possible causes and 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, forensic evaluation of competency/insanity.

| | |
|---------------------------------------|-----------------|
| Credit Hour Requirements | 27 hrs |
| Prerequisite Courses | (6 hrs) |
| Complete one introductory course | GEP |
| PSY 2012 General Psychology <i>or</i> | |
| SYG 2000 General Sociology | |
| PPE 3003 Personality Theories | 3 hrs |
| SYP 3510 Soc of Deviant Behavior | 3 hrs |
| Required Courses | (12 hrs) |
| CLP 4390 Forensic Psychology | 3 hrs |
| SOP 3751 Legal Aspects of Psych | 3 hrs |
| SYP 3520 Criminology | 3 hrs |
| Select one course: | 3 hrs |
| SYP 3540 Sociology of Law | |
| SYD 4813 Women and Social Policy | |

Restricted Electives (9 hrs)
 Note: It is the student's responsibility to meet all prerequisites for every course selected

From Psychology, select one of the following:

| | |
|----------|-----------------------------|
| CLP 3143 | Abnormal Psychology |
| CLP 3302 | Clinical Psychology |
| CLP 4134 | Childhood Psychopathology |
| PCO 4203 | Interviewing and Counseling |

From Sociology, select one of the following:

| | |
|----------|---------------------------------------|
| SYP 3511 | Sociology of Murder |
| SYP 3530 | Juvenile Delinquency |
| SYP 3562 | Soc Perspectives on Domestic Violence |
| SYP 4521 | Criminal Victimization in Society |
| SYP 4514 | Sociology of Violence |
| SYP 4536 | Gangs and Society |

From Criminal Justice, select one of the following:

| | |
|----------|--|
| CCJ 3014 | Crime in America |
| CCJ 3024 | Criminal Justice System |
| CCJ 4670 | Women and Crime |
| CJE 4630 | Serial Murder & CJ |
| CCJ 4616 | Criminal Profiling in CJ |
| CCJ 3667 | Victims and the CJ System |
| CCJ 4681 | Domestic Violence & the Justice System |
| CCJ 4690 | Sex Offenders & the CJ System |

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.

CHILDREN'S SERVICES: Certificate

College of Health and Public Affairs

School of Social Work, HPA 204

E-mail: socialwk@mail.ucf.edu

BSW Coordinator: 407-823-2114

This certificate is awarded only to students in the undergraduate social work program. The Children's Services Certificate is designed to help students learn about the various components of the child welfare system and how that system impacts children and families. Students are prepared to identify child welfare problems such as child abuse and neglect experienced by children and families and are taught basic skills in working with families and with the child welfare system. The certificate includes both classroom academic work and a specialized field internship. The program is a joint effort between the Schools of Social Work in Florida and the Department of Children and Families to improve services to children and their families.

Certificates will be awarded only at the time of degree completion.

| | |
|--|---------------|
| Credit Hour Requirements | 18 hrs |
| Required Courses | |
| SOW 3352 Practice II: Interpersonal Skills | 3 hrs |
| SOW 4654 Children's Services | 3 hrs |

| | | |
|--------------------|--|-------|
| SOW 4650 | Child Abuse: Treatment & Prevention | 3 hrs |
| SOW 4510 <i>or</i> | Field Education* (for full-time students) <i>or</i> | 9 hrs |
| SOW 4941 | Field Education* (for part-time students over two semesters) | |

*Placement with the Department of Children and Families-working with child welfare or placement in an agency that serves children.

Note: Students need to discuss their interest in the certificate with the field office while arranging for their BSW placement.

CRIME ANALYSIS AND CRIME MAPPING: Certificate

College of Health and Public Affairs
 Department of Criminal Justice and Legal Studies
 HPA 311

Contact: Cory Watkins, 407-823-0365,
 E-mail: rwatkins@mail.ucf.edu

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 classes (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.

| | |
|---------------------------------------|----------------|
| Credit Hour Requirements | 15 hrs |
| Required Courses (in sequence) | (9 hrs) |

| | | |
|----------|---|-------|
| CJE 3662 | CJ Information Technology and Data Management | 3 hrs |
| CJE 4663 | Crime Analysis I | 3 hrs |
| CCJ 4076 | Crime Analysis II | 3 hrs |

Restricted Upper Division 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 | Criminal Justice Manager | 3 hrs |
| CCJ 4454 | Policy Development in Law Enforcement | 3 hrs |
| CCJ 4459 | Justice Agency Operations | 3 hrs |

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,
 HPA 311; Department of Sociology and Anthropology,
 PH 403

Contact: David Fabianic, 407-823-5940,

E-mail: Fabianic@mail.ucf.edu;

Mary Ann Eastep, 407 823-3598, E-mail: meastep@mail.ucf.edu;

John J. Schultz, 407-823-2618, E-mail: jschultz@mail.ucf.edu

Crime scene processing is increasingly becoming a multi-disciplinary endeavor with the application of technologically advanced methods. Treatment of the initial crime scene is fundamental not only to the pursuit of offenders but also to the presentation of the prosecutor's case once offenders have been apprehended. The certificate program is a means of organizing information required to perform basic crime scene investigations. It provides theoretical and practical information used to assess crime scenes, the technology available and the procedures to employ in order to produce a forensically valuable product. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

| | |
|---------------------------------|-----------------|
| Credit Hour Requirements | 15 hrs |
| Required Courses | (12 hrs) |

| | | |
|-----------|--------------------------|-------|
| ANT 4521C | Forensic Anthropology* | 3 hrs |
| ANT 4101 | Archaeological Sciences* | 3 hrs |
| CCJ 4616 | Criminal Profiling in CJ | 3 hrs |
| CJT 4100 | Criminal Investigation | 3 hrs |

Certificates

Restricted Upper Division Electives (3 hrs)

| | | |
|------------------------------|---|-------|
| Select one of the following: | | |
| ANT4528C | Advanced Forensic Anthropology* | 5 hrs |
| SYP3511 | Sociology of Murder | 3 hrs |
| CJE 4630 | Serial Murder and the Criminal Justice System | 3 hrs |
| CCJ 4195 | Interviews and Interrogations in CJ | 3 hrs |
| CHS 3501 | Introduction to Forensic Science | 3 hrs |
| ANT 3115 | Archaeological Method and Theory* | 3 hrs |

*Refer to UCF catalog for limited offerings.

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 may not be used toward the program.

CRIMINAL PROFILING: Certificate

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies

HPA 311

Contact: David Fabianic, 407-823-5940,
E-mail: fabianic@mail.ucf.edu; Mary Ann Eastep, 407-823-3598,
E-mail: meastep@mail.ucf.edu

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.

Credit Hour Requirements 15 hrs (12 hrs)

| | | |
|-------------------------|---|-------|
| Required Courses | | |
| CLP 3143 | Abnormal Psychology | 3 hrs |
| CJE 4630 | Serial Murder and the Criminal Justice System | 3 hrs |
| CCJ 4690 | Sex Offenders and the Criminal Justice System | 3 hrs |
| CCJ 4616 | Criminal Profiling in Criminal Justice | 3 hrs |

Restricted Upper Division Electives (3 hrs)

| | | |
|------------------------------|-------------------------------------|-------|
| Select one of the following: | | |
| CJT 4100 | Criminal Investigation | 3 hrs |
| CCJ 4661 | Terrorism | 3 hrs |
| CCJ 4195 | Interviews and Interrogations in CJ | 3 hrs |

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.

CULTURAL TOURISM: Certificate

Office of Undergraduate Studies
Office of Interdisciplinary Studies, CL-I, Room 302

<http://www.is.ucf.edu>

E-mail: is@mail.ucf.edu

Contact: Interdisciplinary Studies Advising Team, 407-823-0144

This certificate harnesses the naturally related fields of tourism to cultural studies, focusing on the specific cultural and business conditions in Central Florida as well as tourism. The certificate complements several fields, including Hospitality Management, African American Studies, History, Anthropology, and Political Science. The cultural theme can be fulfilled by specialized areas in African American Heritage, Anthropology, Environmental Tourism, or Latin Cultural Heritage.

Credit Hour Requirements 18 hrs (12 hrs)

| | | |
|-------------------------|--------------------------|-------|
| Required Courses | | |
| HFT 3540 | Guest Service Management | 3 hrs |
| HFT 3700 | Tourism Management | 3 hrs |
| HFT 4735 | Tourism Geography | 3 hrs |
| ANT 4438 | Anthropology of Tourism | 3 hrs |

Choose two classes from one of the following areas (6 hrs)

| | |
|--|---|
| African American Heritage area (choose two classes) | |
| AFA 3104 | The African American Experience |
| AFA 4105 | Documenting African American Heritage and Life |
| SYD 3700 | Race and Ethnic Minorities in the United States |

| | |
|---|---|
| Anthropology area (choose two classes) | |
| ANT 2100 | Archaeology and the Rise of Human Culture |
| ANT 3212 | Peoples of the World |
| ANT 2410 | Cultural Anthropology |
| ANT 3115 | Archaeological Method and Theory |
| ANT 3930 | Applied Anthropology |

| | |
|--|---------------------------------|
| Environmental Tourism area (choose two classes) | |
| BOT 3152C | Local Flora |
| PCB 3442 | Florida Aquatic Ecology |
| INR 4351 | International Environmental Law |
| PUP 3203 | Environmental Politics |
| PUP 4204 | Sustainability |
| SYD 4510 | Environmental Sociology |

| | |
|---|---------------------------------------|
| Latin American area (choose two classes) | |
| ANT 3163 | Meso American Archaeology |
| ANT 3168 | Maya Archaeology |
| ANT 4332 | Peoples and Cultures of Latin America |
| ANT 4340 | Caribbean Archaeology |
| ARH 4655 | Meso American Art |
| CPO 4303 | Comparative Latin American Politics |
| LAH 3400 | History of Mexico and Central America |
| LAH 3470 | History of the Caribbean |
| LAH 3130 | Latin American History I |
| LAH 3200 | Latin American History II |

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

EDUCATIONAL STUDIES: Certificate

College of Education
Department of Educational Studies, ED 206E

<http://education.ucf.edu/es/>

Program Coordinator: Muthoni Musangali, ED 206E,
407-823-6579, E-mail: muthoni@mail.ucf.edu

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.

Credit Hour Requirements 15 hrs (12 hrs)

| | | |
|---------------------|--|-------|
| Core Courses | | |
| EDF 4603 | Analysis & Application of Ethical, Legal, and Safety Issues in Schools | 3 hrs |
| EDF 4467 | Learning Theory & Assessment | 3 hrs |
| EDG 4410 | Teaching Strategies & Classroom Management | 3 hrs |
| RED 4043 | Content Reading in Kindergarten through Grade Twelve | 3 hrs |

Restricted Electives (select one) (3 hrs)

| | | |
|----------|---|-------|
| MAE 4634 | Programs in Teaching Mathematics | 3 hrs |
| SCE 4361 | Programs in Teaching Science | 3 hrs |
| LAE 4464 | Introduction to Adolescent Literature <i>or</i> | 3 hrs |
| LAE 4342 | Teaching Language/Composition | |
| SSE 4936 | Programs in Teaching Social Science | 3 hrs |

Other Requirements:

- A grade of "C" (2.0) or better is required in each course used to satisfy the certificate.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 9 hours used in the certificate must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

Note: Completion of the certificate does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.

FINANCE: Certificates

**College of Business Administration
BA 409**

<http://www.bus.ucf.edu/finance>

***Restricted to Finance majors**

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements 12-15 hrs

Certificate in Banking 15 hrs

| | | |
|------------|--|-------|
| FIN 4313 | Management of Financial Institutions | 3 hrs |
| FIN 4324 | Commercial Bank Management | 3 hrs |
| ACG 3131 | Financial Accounting Concepts & Analysis | 3 hrs |
| ACG 3141 | Intermediate Financial Accounting | 3 hrs |
| MAR 3391 | Professional Selling <i>or</i> | |
| FIN 4941** | Internship | 3 hrs |

- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Financial Internship coordinator and a banking faculty member. Both MAR 3391 and FIN 4941 are recommended if the student's schedule allows it.
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the five courses must be 3.0 or higher.

Certificate in Corporate Finance 12 hrs

| | | |
|------------|--|-------|
| ACG 3131 | Financial Accounting Concepts & Analysis | 3 hrs |
| FIN 3414 | Intermediate Corporate Finance | 3 hrs |
| FIN 3461 | Financial Statement Analysis <i>or</i> | 3 hrs |
| FIN 4424 | Adv Topics in Financial Management | |
| FIN 4941** | Internship | 3 hrs |

Certificate in Investments 12 hrs

| | | |
|------------|-----------------------------------|-------|
| FIN 3504 | Investment Analysis | 3 hrs |
| FIN 4514 | Portfolio Analysis and Management | 3 hrs |
| FIN 4533 | Financial Derivatives | 3 hrs |
| **FIN 4941 | Internship | 3 hrs |

*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.

JUDAIC STUDIES: Certificate

College of Arts and Humanities

Judaic Studies Program, CNH 415 E-J

http://www.cah.ucf.edu/judaic_studies

E-mail: judaicst@ucf.edu

Program Director: 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 English, Modern Languages, History, Philosophy, Political Science, and Sociology/Anthropology, and with the Interdisciplinary Studies and Women's Studies Programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies courses.

Credit Hour Requirements 15 hrs

| | | |
|-----------------------|--|--|
| Language | | |
| HBR 1120 | Elementary Modern Hebrew Lang and Cult I | |
| HBR 1121 | Elementary Modern Hebrew Lang and Cult II | |
| HBR 2200 | Intermediate Modern Hebrew Language and Culture I | |
| HBR 2201 | Intermediate Modern Hebrew Language and Culture II | |
| HBR 3250 | Biblical Hebrew | |
| HBR 3410 | Conversational Israeli Hebrew | |
| Jewish History | | |
| JST 3401 | The Jewish People I | |
| JST 3402 | The Jewish People II | |
| JST 3550 | Introduction of Modernism into Judaism | |
| JST 3481 | 20th Century Jewish History and Thought | |
| JST 3701 | History of the Holocaust | |
| Bible | | |
| JST 3120 | Hebrew Scriptures | |
| JST 3125 | The Book of Job | |
| JST 3126 | Romantic Love in the Bible | |
| JST 3144 | Dead Sea Scrolls | |
| Literature | | |
| JST 3100 | The Hebrew Creative Mind | |
| JST 3312 | Identity and Genre | |
| JST 3751 | Literature of the Holocaust | |

Culture

| | |
|----------|------------------------------|
| JST 3450 | Modern Jewish Experience |
| JST 3820 | Modern Hebrew Culture |
| JST 3810 | The Jewish National Movement |

Jewish Civilization

| | |
|----------|--------------------------|
| JST 3005 | Tenets of Judaism |
| JST 3121 | Classic Texts of Judaism |

Other courses, including special topics, with the approval of the Director

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, HPA2, Suite 101

<http://www.cohpa.ucf.edu/comdis>

Undergraduate Coordinator: Jamie B. Schwartz, 407-823-4798, E-mail: jschwart@mail.ucf.edu

Language disorders are the most prevalent communication disorder. Typically children, adolescents and adults with language disorders are served via a team approach that includes speech-language pathologists, psychologists, neurologists, pediatricians, nurses, social workers, physical therapists, occupational therapists, school counselors, and general and special educators. **This certificate is designed for undergraduate students who are not majoring in Communication Sciences and Disorders but are in disciplines related to speech-language pathology who wish to pursue a special emphasis in language development and disorders in children, adolescents and adults.**

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements 13 hrs

Required Courses

| | | |
|-----------|---|-------|
| LIN 3716 | Language Development: Birth Through 8 Years | 3 hrs |
| LIN 3717 | Language Development: 9-18 Years | 3 hrs |
| LIN 4711 | Language Analysis | 3 hrs |
| LIN 4711L | Language Analysis Lab | 1 hr |
| SPA 4400 | Language Disorders Across the Life Span | 3 hrs |

Other Requirements

- A minimum grade of "C-" (1.75) is required in each course.
- Students must earn an overall GPA of 2.0 in courses used to complete the certificate.
- At least 10 hours used in the program must be earned at UCF with the Department of Communication Sciences and Disorders.
- No credit by exam (TSD, Military credit) internship or independent study credit may be used toward the certificate.

MARKETING: Certificates

College of Business Administration

Department of Marketing, BA2 307S

***Restricted to Marketing majors**

6 hrs

Certificates will be awarded only at the time of degree completion.

Certificate in Selling and Sales Management

| | |
|------------|--|
| MAR 3403 | Sales Force Management |
| **MAR 4941 | (internship in sales-related position) |

Certificate in Retailing Management

| | |
|------------|---|
| MAR 4231 | Retailing Management |
| **MAR 4941 | (internship in retail-related position) |

Certificate in e-Marketing

| | |
|------------|--------------------------------------|
| MAR 3721 | e-Marketing |
| **MAR 4941 | (internship in "e"-related position) |

Certificate in Sport Marketing Management

| | |
|------------|--|
| MAR 4711 | Sport Marketing |
| **MAR 4941 | (internship in sport-related position) |

Certificate in Healthcare Marketing

| | |
|------------|---|
| MAR 4712 | Healthcare Marketing |
| **MAR 4941 | (internship in healthcare-related position) |

Certificates

Certificate in Services Marketing

MAR 4841 Services Marketing
**MAR 4941 (internship in services-related position)

Certificate in Entertainment Marketing

MAR 4715 Entertainment Marketing
**MAR 4941 (internship in entertainment-related position)

*These six hours count as the six elective marketing hours required in the major.

**Certificate attainment is subject to the availability of internship opportunities in the area of interest.

NONPROFIT MANAGEMENT: Certificate

College of Health & Public Affairs
Department of Public Administration, HPA2 238

<http://www.cohpa.ucf.edu/pubadm/>

Contact: 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.

Credit Hour Requirements

18 hrs

Required Courses

(15 hrs)

| | | |
|----------|---|-------|
| PAD 4144 | Nonprofit 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 Nonprofit Organizations | 3 hrs |
| PAD 4153 | Planning and Improvement for Public Organizations | 3 hrs |

Restrictive Elective Course

(3 hrs)

See advisor for approved courses.

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: Certificates

College of Business Administration
Dr. P. Phillips School of Real Estate, BA 409

<http://www.bus.ucf.edu/finance>

*Restricted to Real Estate majors

Credit Hour Requirements

15 hrs

Certificates will be awarded only at the time of degree completion.

Certificate in Real Estate Brokerage

(Completion of this certificate qualifies a student to sit for the Florida real estate sales license)

| | | |
|------------|------------------------------------|-------|
| 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 |
| REE 4941** | Internship (real estate brokerage) | 3 hrs |

Certificate in Real Estate Appraisal

(Completion of this certificate qualifies a student to sit for the Florida real estate appraiser's license.)

| | | |
|------------|-------------------------------------|-------|
| 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 |
| REE 4941** | Internship (real estate appraisal) | 3 hrs |

Certificate in Mortgage Brokerage

(Completion of this certificate qualifies a student to sit for the Florida mortgage broker's license)

| | | |
|------------|---------------------------------|-------|
| REE 3043 | Fundamentals of Real Estate | 3 hrs |
| REE 3433 | Real Estate Law | 3 hrs |
| REE 4204 | Residential Real Estate Finance | 3 hrs |
| MAR 3391 | Professional Selling | 3 hrs |
| REE 4941** | Internship (mortgage brokerage) | 3 hrs |

*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.

**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 2.75 to qualify for an internship.

SECURITY MANAGEMENT: Certificate

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies
HPA 311

Contact: Jerome Randall, 407-823-2603,

E-mail: jrandall@mail.ucf.edu

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.

Credit Hour Requirements

15 hrs

Required Courses

(12 hrs)

| | | |
|----------|-------------------------|-------|
| CJT 3804 | Security Administration | 3 hrs |
| CJT 3803 | Security Management | 3 hrs |
| CJT 4843 | Risk Management | 3 hrs |
| CCJ 4644 | White Collar Crime | 3 hrs |

Restricted Upper Division Electives

(3 hrs)

Select one of the following:

| | | |
|----------|--|-------|
| CCJ 4661 | Conflict and Terrorism | 3 hrs |
| CJE 3444 | Crime Prevention | 3 hrs |
| CJT 3842 | Special Security Problems | 3 hrs |
| PLA5937 | Seminar in Contemporary Legal Problems | 3 hrs |
| PLA3273 | Law of Torts | 3 hrs |

Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

SERVICE-LEARNING: Certificate

Office of Undergraduate Studies
Experiential Learning, FC 203

<http://www.explearning.ucf.edu>

Contact: A. Zeh, 407-823-2666, E-mail: azeh@mail.ucf.edu

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.

Credit Hour Requirements

12 hrs

Course Requirements:

4 UCF-approved SL courses

Students may choose any four (4) 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.

Other Requirements

- Minimum GPA of 2.5 in UCF-approved SL classes.
- Minimum of 60 community service hours in four (4) UCF-approved SL classes.

SUBSTITUTE TEACHING: Certificate

College of Education

Department of Educational Studies, ED 206 E

<http://education.ucf.edu/>

Program Coordinator: Muthoni Musangali, ED 206E,
407-823-6579, E-mail: muthoni@mail.ucf.edu

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.

Credit Hour Requirements **9 hrs**

| | | |
|-------------------------|--|---|
| Required Courses | | |
| EDF 2007 | Introduction to Substitute Teaching | 3 |
| EDF 2250 | Classroom Management for Substitute Teachers | 3 |
| EDG 2311 | Teaching Strategies for Substitute Teachers | 3 |

Other Requirements:

- A minimum GPA of 2.5 in all courses
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.
- At least 6 hours used in the certificate must be earned at UCF.

Note: Completion of this certificate does not complete the requirements for teacher certification, nor does it constitute admission to the College of Education.

TRANSLATION AND INTERPRETATION: Certificate

College of Arts and Humanities

Modern Languages and Literatures, CNH 505

<http://mll.cah.ucf.edu/>

E-mail: forlang@mail.ucf.edu

Contact: Maria Redmon, CNH 512, 407-823-5738,

E-mail: mredmon@mail.ucf.edu

Credit Hour Requirements **18 hrs**

Required Skills
Students must pass an oral exam for proficiency in Spanish and English before being admitted to the certificate program.

Required Courses **(12 hrs)**

| | | |
|----------|-------------------------------------|-------|
| SPT 3800 | Span Translation and Interpretation | 3 hrs |
| SPT 3805 | Span Trans & Interp for Mass Com | 3 hrs |
| SPT 3809 | Medical Span Trans/Interp | 3 hrs |
| SPT 3831 | Spanish Legal Trans/Interp | 3 hrs |

Restricted Upper Division Electives **(6 hrs)**

| | | |
|----------|-------------------------------|-------|
| SPN 3933 | Spanish Across the Curriculum | 3 hrs |
| SPN 4941 | Internship | 3 hrs |

Any upper division SPN or SPT course with advisor's approval

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF within the Department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate.
- Satisfactory completion of translation and interpretation exit exam.

VICTIM ADVOCACY: Certificate

College of Health and Public Affairs

Department of Criminal Justice and Legal Studies

HPA 311

Contact: Mary Ann Eastep, 407-823-3598,

E-mail: meastep@mail.ucf.edu

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.

Credit Hour Requirements **15 hrs**

Required Courses **(9 hrs)**

| | | |
|----------|-------------------------------------|-------|
| CCJ 3667 | Victims and the CJ System | 3 hrs |
| CCJ 4670 | Women and Crime | 3 hrs |
| CCJ 4681 | Domestic Violence and the CJ System | 3 hrs |

Restricted Upper Division Electives **(6 hrs)**

Select two of the following:

| | | |
|----------|---|-------|
| SYP 4521 | Criminal Victimization in Society | 3 hrs |
| NUR 4196 | Crisis Intervention | 3 hrs |
| SOW 4754 | Forensic Social Work Theory and Practice | 3 hrs |
| CJJ 4564 | Delinquency Control | 3 hrs |
| CCJ 4690 | Sex Offenders and the Criminal Justice System | 3 hrs |
| CCJ 4463 | Cultural Diversity in Criminal Justice | 3 hrs |

Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

WOMEN'S STUDIES: Certificate

College of Arts and Humanities

Women's Studies Program, CNH 201H

<http://womensstudies.cah.ucf.edu>

Email: womenst@ucf.edu

Contact: K. M. Oliver, 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 open to both degree-seeking and non degree-seeking students, but should be particularly beneficial to students in professional degree programs who will serve women and/or girls as a client population, but whose elective hours are restricted.

Credit Hour Requirements **12 hrs**

Required Course: **(3 hrs)**

| | | |
|----------|---------------------------------|-------|
| WST 3015 | Introduction to Women's Studies | 3 hrs |
|----------|---------------------------------|-------|

Electives **(9 hrs)**

See listing for minor. Certificate students are exempt from the distribution requirements and should select foundations courses that best complement their major area of study.

Internship Option: **(0-3 hrs)**

internship required by a student's major degree program may count for credit toward the certificate, if placement is substantively related to women and/or women's issues.

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.

STUDY ABROAD PROGRAMS

International Studies

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

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

Study Abroad Programs

<http://www.studyabroad.ucf.edu>

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

UCF study abroad opportunities are a cooperative venture of academic departments and the OIS, and are designed to provide an exceptional learning experience, while matching the specific needs

and circumstances of UCF students. The two main types of programs administered by UCF are Short Term Programs and Student Exchanges.

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

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

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



ACCELERATED UNDERGRADUATE-GRADUATE PROGRAMS

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
Mechanical, Materials, and Aerospace Engineering Department
ENGR 307, 407-823-2416; Fax: 407-823-0208
<http://www.mmae.ucf.edu>

Admission Guidelines

- 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.

1. UCF General Education Program (36+2 hrs)
(See Aerospace Engineering major in this catalog for track specific GEP requirements)

2. Common Program Prerequisites (CPP's) (19 hrs)
(See Aerospace Engineering major in this catalog for the CPP requirements)

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Courses Required for the Major (55 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 technical elective courses listed in 4. below and with the senior design courses listed in 5. below. Independent study courses generally do **not** satisfy major requirements.

| | | |
|-------------|---|-------|
| EGN 1006C | Intro to the Engineering Profession | 1 hr |
| EGN 1007C | Engineering Concepts & Methods | 1 hr |
| EGN 3310 | Engineering Analysis - Statics | 3 hrs |
| EGN 3321 | Engineering Analysis - Dynamics | 3 hrs |
| EGN 3343 | Thermodynamics | 3 hrs |
| EMA 3706 | Structure & Properties of Aerospace Materials | 3 hrs |
| EGN 3373 | Principles of Electrical Engrning | 3 hrs |
| STA 3032 | Probability & Statistics for Engineers | GEP |
| EAS 3010 | Fundamentals of Aerospace Flight | 3 hrs |
| EAS 3101 | Aerodynamics I | 3 hrs |
| EAS 3800C | Aerospace Engineering Measurements | 3 hrs |
| EAS 3810C | Design of Aerospace Experiments | 2 hrs |
| EAS 4105 | Flight Mechanics | 3 hrs |
| EAS 4134 | High-Speed Aerodynamics | 3 hrs |
| EAS 4200 | Flight Structures | 3 hrs |
| EAS 3530 | Space Systems Concepts | |
| or EAS 4400 | Spacecraft Attitude Dynamics | |
| or EAS 4505 | Orbital Mechanics | 3 hrs |
| EAS 4300 | Aerothermodynamics-Propulsion Sys | 3 hrs |
| EML 3034 | Modeling Methods in MMAE | 3 hrs |
| EML 4312C | Feedback Control | 3 hrs |
| EGM 3601 | Solid Mechanics | 3 hrs |
| EAS 4210 | Space Structural Design | 3 hrs |

4. Approved Technical Electives (10 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.

5. Departmental Graduation Requirements (6 hrs)

| | | |
|--------------|-----------------------------|-------|
| EAS 4700C | Aerospace Design I | 3 hrs |
| or EGN 4412C | Interdisciplinary Design I | |
| EAS 4710C | Aerospace Design II | 3 hrs |
| or EGN 4413C | Interdisciplinary Design II | |

- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

6. Foreign Language Requirements (0-8 hrs)

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

7. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit.

Total Semester Hours Required (B.S.A.E) 128 hrs

8. Shared B.S.A.E./M.S.A.E. or M.S.M.E. 10-12 hrs

Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

9. Areas of Study M.S.A.E. or M.S.M.E. 18-20 hrs

Students must complete all requirements within the masters program to which they are admitted. See the list below for possible options. Detailed information regarding course and graduation requirements can be located in the graduate catalog. Students have an end of program option of (1) Thesis or (2) non thesis (see graduate catalog for a detailed description of these options).

Computer-Aided Mechanical Engineering Track

Mechanical Systems Track

Miniature Engineering Systems Track

Professional Track

Space Systems Design and Engineering Track

Thermofluid Aerodynamic Systems Design and Engineering Track

Thermofluids Track

Total Semester hours (B.S. A.E./M.S.A.E. or M.S.M.E.) 146-148 hrs

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
- Undergraduate students are not eligible to take 6000-level courses

Equipment Fee

- Full-time Student\$90 per term
- Part-time Student\$45 per term

Accelerated Undergraduate-Graduate Programs

COMMUNICATION SCIENCES AND DISORDERS ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.A./B.S. and M.A.)

College Of Health and Public Affairs

Department of Communication Sciences and Disorders

HPA 2, Suite 101, 407-823-4798,

Bachelor's program E-mail: comdisug@mail.ucf.edu;

Master's program E-mail: comdisma@mail.ucf.edu

<http://www.cohpa.ucf.edu/comdis/>

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 Examination 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

1. UCF General Education Program (36 hrs)

- | | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| Prefer MGF 1106 Finite Math | |
| Select STA 2014C <i>or</i> STA 2023 | |
| D. Social Foundations | 6 hrs |
| Select PSY 2012 Gen Psych | |
| Select one of the listed choices | |
| (ECO 2013, ECO 2023), <i>or</i> (POS 2041) | |
| E. Science Foundations | 6 hrs |
| Prefer BSC 1005 General Biology | |
| Select one biological and one physical science | |

2. Common Program Prerequisites none

3. Core Requirements (48-51 hrs)

| | | |
|-----------|--|--------|
| DEP 2004 | Developmental Psychology | 3 hrs |
| SPA 3471 | Communication Disorders in Literature and Media | 3 hrs |
| SPA 3101 | Physiological Bases of Speech and Hearing | 3 hrs |
| SPA 3112 | Basic Phonetics | 3 hrs |
| SPA 3112L | Basic Phonetics Lab | 1 hr |
| LIN 3716 | Language Development: Birth Through 8 Years | 3 hrs |
| SPA 3011 | Speech Science I: Speech Production | 3 hrs |
| SPA 3011L | Speech Production Lab | 1 hr |
| LIN 3717 | Language Development: 9-18 Years | 3 hrs |
| SPA 3104 | Neural Bases of Communication | 3 hrs |
| SPA 3123 | Speech Science II: Speech Perception | 3 hrs |
| SPA 3123L | Speech Perception Lab | 1 hr |
| SPA 4032 | Audiology | 3 hrs |
| LIN 4711 | Language Analysis | 3 hrs |
| LIN 4711L | Language Analysis Lab | 1 hr |
| SPA 4321 | Aural Habilitation: Rehabilitation | 3 hrs |
| SPA 4478 | Multicultural Aspects of Communication Disorders and Differences | 3 hrs* |
| EAB 3703 | Principles of Behavior Modification <i>or</i> | 3 hrs |
| EEX 4601 | Introduction to Behavior Management <i>or</i> | |
| EEC 4604 | Guidance of Young Children <i>or</i> | |
| EDF 3303 | Learning Environments and Guidance for Young Children <i>or</i> | |
| SPA 3472 | Guidance of Young Children With Communication Disorders | |
| SPA 4056C | Clinical Methods in Communication Disorders | 5 hrs |

4. Statistics Requirement (3-6 hrs)

Students have two options for completing this requirement:

| | | |
|-----------|--|--------|
| Option 1: | | |
| STA 2023 | Statistical Methods I GEP and | 3 hrs |
| STA 4163 | Statistical Methods II <i>or</i> | 3 hrs |
| Option 2: | | |
| STA 2014C | Principles of Statistics (GEP) <i>or</i> | 3 hrs |
| STA 2023 | Statistical Methods I and | |
| SPA 4803 | Research in Communication Disorders | 3 hrs* |

5. Electives (6 hrs min)

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.

6. Shared Bachelor's and Master's Courses (18 hrs)

| | | |
|----------|--|-------|
| SPA 6402 | Preschool Language Disorders | 3 hrs |
| SPA 6403 | School-Aged Language Disorders | 3 hrs |
| SPA 6410 | Aphasia and Related Disorders | 3 hrs |
| SPA 6204 | Articulation/Phonological Disorders | 3 hrs |
| SPA 6805 | Research in Communication Disorders | 3 hrs |
| | <i>or</i> | |
| SPA 5473 | Multicultural Aspects of Communication Disorders and Differences | |
| SPA 6503 | Entry-Level Clinical Practicum | 3 hrs |

7. Foreign Language Requirements

Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can be used to fulfill this requirement.

8. Departmental Exit Requirements

- A minimum grade of "B" in all graduate courses.
- A minimum GPA of 3.0 in the courses used to satisfy the major.
- A passing score on the Communication Sciences and Disorders Undergraduate Competency Examination.

9. University Minimum Exit Requirements (120 hrs)

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

10. Courses taken toward Master's Degree

*In the Accelerated Program, students may elect to enroll in either SPA 5473, which replaces SPA 4478, or SPA 6805, which replaces SPA 4803.

Related Programs: Health Services Administration, Physical Therapy, Psychology, Social Work, Exceptional Student Education, Early Childhood Education

Related Minors: American Sign Language, Exceptional Education, Early Childhood Education, Aging Studies, Health Services Administration, Interpersonal Communication, Linguistics, Psychology

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.

Accelerated Undergraduate-Graduate Programs

COMPUTER ENGINEERING ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.S.P.E./M.S.P.E.)

College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corporation Engineering Ctr., Rm 246,
407-823-2787; Fax: 407-823-5419,
<http://www.eecs.ucf.edu>

Admission Guidelines

- 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.

1. UCF General Education Program (36+2 hrs)

See Computer Engineering major in this catalog for track specific GEP requirements.

2. Common Program Prerequisites (CPP's) (19 hrs)

See Computer Engineering major in this catalog for the CPP requirements.

3. Courses Required for the Computer Engineering Core (8 hrs)

See Computer Engineering major in this catalog for a listing of Computer Engineering core requirements.

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 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.

4. Courses Required for the Major (48 hrs)

| | | |
|-----------|----------------------------------|-------|
| COT 3100C | Discrete Structures | 3 hrs |
| COP 3502C | Computer Science I | 3 hrs |
| COP 3503C | Computer Science II | 4 hrs |
| COP 3330 | Object Oriented Prog | 3 hrs |
| COP 4331C | Processes Object Oriented SW Dev | 4 hrs |
| EEL 3004 | Electrical Networks | 3 hrs |
| EEL 3123C | Networks and Systems | 4 hrs |
| EEE 3307C | Electronics I | 4 hrs |
| EEE 3342C | Digital Systems | 3 hrs |
| EEL 3801 | Computer Organization | 3 hrs |
| EEL 4767C | Embedded Systems | 4 hrs |
| EEL 4768C | Computer Architecture | 4 hrs |
| EEL 4781 | Computer Comm Networks | 3 hrs |
| COP 4600 | Operating Systems | 3 hrs |

5. Approved Technical Electives (9 hrs)

Technical electives should be taken at the 5000 or 6000 level and are available in the BSCpE 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. Departmental Graduation Requirements (6 hrs)

| | | |
|-----------|------------------|-------|
| EEL 4914 | Senior Design I | 3 hrs |
| EEL 4915L | Senior Design II | 3 hrs |

- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.

- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit.

Total Semester Hours Required (B.S.P.E.) 128 hrs

9. Shared B.S.P.E./M.S.P.E. 6 hrs

Up to 6 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 6 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Electrical and Computer Engineering department for a list of acceptable courses.

10. Areas of Study M.S.P.E. 24 hrs

Students must complete all requirements within the masters program that they are admitted to. See the list below for possible options. Detailed information regarding course and graduation requirements can be located in the graduate catalog. Students have an end of year option of (1) Thesis or (2) non thesis (see graduate catalog for a detailed description of these options).

Computer Architecture Track
Digital Systems Track
Intelligent Systems Track
Software Engineering Track

Total Semester hours (B.S.P.E/M.S.P.E.) 152 hrs

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 M.S.P.E. 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.
- Undergraduate students are not eligible to take 6000-level courses.

Equipment Fee

- Full-time Student\$90 per term
- Part-time Student\$45 per term

COMPUTER SCIENCE ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.S./M.S.)

College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corporation Engineering Ctr., Rm 246,
407-823-2779; Fax: 407-823-5835
<http://www.eecs.ucf.edu>

Contact: Sumanta Pattanaik, E-mail: sumant@cs.ucf.edu;
Jenny Shen, E-mail: jenny@cs.ucf.edu

Admission Guidelines

- 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.

Accelerated Undergraduate-Graduate Programs

1. UCF General Education Program (36+3hrs)

(See Computer Science major in this catalog for track specific GEP requirements)

2. Common Program Prerequisites (CPP's) (15 hrs)

(See Computer Science major in this catalog for the CPP requirements)

3. Basic Core Requirements (25 hrs)

| | | |
|-----------|--|-------|
| COP 3330 | Intro to OO Programming | 3 hrs |
| COP 3502C | Computer Science I | 3 hrs |
| COP 3503C | Computer Science II | 4 hrs |
| STA 2023 | Statistical Methods I | GEP |
| ENC 3241 | Technical Report Writing | 3 hrs |
| EEL 3801 | Computer Organization | 3 hrs |
| COT 3100C | Intro to Discrete Structures | 3 hrs |
| PHI 3626 | Ethics in Science and Technology | 3 hrs |
| COP 3402 | Systems Software | 3 hrs |
| COT 3960 | Foundation Exam (PR:COT 3100C & COP 3502C) | 0 hrs |

4. Advanced Core (20 hrs)

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 OO Software Development | 4 hrs |
| CDA 4150C | Comp Architecture | 4 hrs |
| COT 4210 | Discrete Comp Structures | 3 hrs |
| COP 4020 | Programming Languages I | 3 hrs |
| COP 4600 | Operating Systems | 3 hrs |
| COT 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 credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).
- 4000-5000 level mathematics or statistics 6 hrs
courses from: STA, MAP, MAA, MAD, MAS prefixes and MAC 2313, MAP 2302, MAS 3105, and MAS 3106. No independent study hours, internship, or cooperative education hours are allowed.

6. School Exit Requirements

- Complete an exit survey
- Computer Competency met by completion of major

7. Foreign Language Requirements (0-4 hrs)

Admission: 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 (variable)

Select primarily from upper level courses, with the student advisor's approval. May be outside the department.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required (B.S.) 120 hrs

10. Shared B.S./M.S. 12 hrs

Up to 12 credit hours of approved 5000 or 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either restricted elective or course requirements for the major. Contact the Graduate Coordinator in the Computer Science department for a list of acceptable courses.

11. Areas of Study M.S. 18 hrs

Students must complete all requirements within the masters program

that they are admitted to. Detailed information regarding course and graduation requirements can be located in the graduate catalog. Students have an end of program option of (1) Thesis or (2) non thesis (see graduate catalog for a detailed description of these options).

Total Semester hours (B.S./M.S.) 138 hrs

The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 120 hours of credit. Students will then be reclassified as graduate students. The MS 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
- Undergraduate students are not eligible to take 6000-level courses

Equipment Fee

- Full-time Student \$90 per term
- Part-time Student \$45 per term

ECONOMICS ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.A./M.S.)

College of Business Administration
Department of Economics, BA2 305, 407-823-3266

<http://www.bus.ucf.edu/economics>

Major Advisor: R. Pennington, BA2 303B, 407-823-2640,

E-mail: robertp@mail.ucf.edu

This program is designed for highly qualified majors in Economics who would like to earn undergraduate and graduate degrees in five rather than six years of full-time course work. The program provides students with specialized training in economics within a broad liberal arts education. A minor from several other colleges can be selected according to the student's personal interests and career goals.

Admission Guidelines

- Completion of the UCF General Education program or an AA degree from a Florida Public Community College
- See Common Program Prerequisites
- For admission to graduate courses, students must achieve a minimum 3.25 GPA after completion of 80 credit hours and meet the UCF graduate admission requirements as described in the Graduate Catalog.

Degree Requirements

1. UCF General Education Program (36 hrs)

| | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| Required: SPC 1600 | |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| Select MAC 2233 <i>or</i> 2311 Calculus | 3 hrs |
| Select STA 2023 Statistical Methods I | 3 hrs |
| D. Social Foundations | |
| Select ECO 2013 Principles of Macroeconomics <i>or</i> | 3 hrs |
| ECO 2023 Principles of Microeconomics | |
| Select one: PSY 2012, SYG 2000, ANT 2000 | 3 hrs |
| E. Science Foundation | 6 hrs |

2. Common Program Prerequisites (3 hrs)

| | |
|-----------|------------------------------|
| ECO 2013* | Principles of Macroeconomics |
| ECO 2023* | Principles of Microeconomics |

*See Transfer Notes for possible substitutions

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Required Undergraduate Major Courses (16 hrs)

| | | |
|------------|--------------------------------|-------|
| ECO 3101 | Intermediate Microeconomics | 3 hrs |
| ECO 3203 | Intermediate Macroeconomics | 3 hrs |
| *ECO 3401 | Quantitative Business Tools I | 3 hrs |
| **ECO 3411 | Quantitative Business Tools II | 4 hrs |
| ECO 4451 | Research Methods in Economics | 3 hrs |

Accelerated Undergraduate-Graduate Programs

*At UCF, students who have completed MAC 2233 (or any Calculus 1 & 2 sequence) and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.

**Students in the BA/MS program are encouraged to select MAC 2311, 2312 and 2313 along with STA 4321 and 4322 as substitutes for ECO 3401 and ECO 3411.

4. Restricted Elective (3 hrs)
Select any other 3000-4000 level economics course. 3 hrs

5. Courses shared BA/MS (15 hrs)

| | | |
|----------|------------------------|-------|
| ECO 6403 | Mathematical Economics | 3 hrs |
| ECO 6118 | Microeconomic Theory I | 3 hrs |
| ECO 6206 | Macroeconomic Theory I | 3 hrs |
| ECO 6424 | Econometrics I | 3 hrs |
| ECO 6XXX | Economics Elective | 3 hrs |

*15 hours counts towards both BA and MS

6. Required Minor (18 hrs)
Completion of a minor in one of the following: Computer Science, Environmental Studies, History, Mathematics, Statistics, Political Science, Psychology, Sociology or Public Administration. Other minors may be selected with prior approval of the Economics Undergraduate Advisor.

7. Program Exit Requirements

- A minimum grade of 3.0 is required for all graduate courses.
- A minimum GPA of 2.5 is required for all courses taken in the major and minor.
- Computer Competence is met by Research Methods course.

8. Foreign Language (0-8 hrs)
Admission: Met by graduate requirement.

Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literature or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

9. Electives (variable)

10. University Minimum Exit Requirements - B.A.

- 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credit permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required (B.A.) 120 hrs

11. Courses taken toward MS (9 hrs)
Six to nine additional hours of 6000 level economics electives.

A maximum of three hours of an approved non-economic elective may substitute for an economics elective. Select from disciplines such as mathematics, statistics, public administration, health sciences, political science, legal studies, computer science, and environmental engineering.

12. End of Program Option: (6 hrs)

All candidates for the M.S. in Economics degree must complete an end-of-program option. This requirement can be met by any of the following two options: 1) Thesis option or 2) Course work option (see the Graduate Catalog for a detailed description of the options).

Total Semester Hours (BA/MS) 135 hrs

The baccalaureate degree will be awarded when program requirements for the BA are met and students have completed a minimum of 120 hours of credit. Students will then be reclassified as graduate students. The MS 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 6000 level courses must be within nine hours of graduation
- Undergraduate students taking 6000 level courses must not register for more than a total of twelve hours in that semester

Transfer Notes:

- Grades below "C" (2.0) are not accepted.
- Courses taken at community college do not substitute for Upper Division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- ECO 2013 and 2023 are prerequisites for all subsequent economics courses.

Equipment Fee

- Full-time Student\$22 per term
- Part-time Student\$11 per term

ELECTRICAL ENGINEERING ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.S.E.E./M.S.E.E.)

College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corporation Engineering Ctr., Rm 246,
407-823-2787; Fax: 407-823-5419
<http://www.eecs.ucf.edu>

Admission Guidelines

- 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.

1. UCF General Education Program (36+2 hrs)

(See Electrical Engineering major in this catalog for track specific GEP requirements)

2. Common Program Prerequisites (CPP's) (19 hrs)

(See Electrical Engineering major in this catalog for the CPP requirements)

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Courses Required for the Electrical Engineering Core (14 hrs)

(See Electrical Engineering major in this catalog for a listing of Electrical Engineering core requirements)

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 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.

4. Courses Required for the Major (41 hrs)

| | | |
|-----------|-----------------------------------|-------|
| EEL 3004 | Electrical Networks | 3 hrs |
| EEL 3123C | Networks and Systems | 4 hrs |
| EEL 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 Communications | 4 hrs |
| EEL 3657 | Linear Control Systems | 3 hrs |
| EEL 3801 | Computer Organization | 3 hrs |
| EEE 4309C | Electronics II | 4 hrs |
| EEL 4750 | Digital Signal Processing Fund. | 3 hrs |
| EEL 4767C | Embedded Systems | 4 hrs |

5. Approved Technical Electives (10 hrs)

Technical electives should be taken at the 5000 or 6000 level and are available in the BSEE 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.

Accelerated Undergraduate-Graduate Programs

- 6. Departmental Graduation Requirements (6 hrs)**
 EEL 4914 Senior Design I 3 hrs
 EEL 4915L Senior Design II 3 hrs
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

- 7. Foreign Language Requirements (0-8 hrs)**
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. University Minimum Graduation Requirements**
- A 2.0 UCF GPA.
 - 60 semester hours earned after any CLEP award.
 - 48 semester hours of upper division credit completed.
 - 30 of the last 36 hours of course work must be completed in residency at UCF.
 - 25% of course work must be completed in residency at UCF
 - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
 - Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit.

Total Semester Hours Required (B.S.E.E.) 128 hrs

9. Shared B.S.E.E./M.S.E.E. 10-12 hrs

Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Electrical and Computer Engineering department for a list of acceptable courses.

10. Areas of Study M.S.E.E. 18-20 hrs

Students must complete all requirements within the masters program that they are admitted to. See the list below for possible options. Detailed information regarding course and graduation requirements can be located in the graduate catalog. Students have an end of program option of (1) Thesis or (2) non thesis (see graduate catalog for a detailed description of these options).

- Communication Track
- Controls/Robotics Track
- Digital Signal Processing Track
- Electromagnetics Track
- Electronics/Power Electronics Track
- Electro-Optics Track
- Solid State and Microelectronics Track
- VLSI Design Track

Total Semester hours (B.S.E.E./M.S.E.E.) 146-148 hrs

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 MSEE 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
- Undergraduate students are not eligible to take 6000-level courses

Equipment Fee

- Full-time Student \$90 per term
- Part-time Student \$45 per term

HISTORY ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.A. and M.A.)

College of Arts and Humanities
 CNH 551, 407-823-2224
<http://www.cah.ucf.edu/history/>
Graduate program E-mail: hisgrad@ucf.edu
Undergraduate program E-mail: history@ucf.edu

Chair: Rosalind J. Beiler, 407-823-2225
 Graduate Program Director: Hong Zhang

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 five instead of six years for students enrolled in full-time course work.

Admission Requirements

- Students apply for admission to the accelerated program at 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 BA degree

Undergraduate 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 coordinator
- 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 their written work in history completed inside and outside the classroom
- 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)

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

Accelerated Undergraduate-Graduate Programs

- Students complete the Capstone course, pass their preliminary exams, and fulfill their foreign language requirement by the end of their first MA year
- Students complete and defend a master's thesis in six hours

Undergraduate Requirements

1. UCF General Education Program (36 hrs)
(See the History major in this catalog for track specific GEP requirements)

2. Common Program Prerequisites (0 hrs)
AMH 2010* U. S. History: 1492-1877 GEP
AMH 2020* U. S. History: 1877-Present GEP

*See Transfer Notes for possible substitutes
See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements (9 hrs)
HIS 4150 History & Historians 3 hrs
Select one sequence
EUH 2000, 2001 Western Civilization I & II 6 hrs
WOH 2012, 2022 World Civilization I & II

4. Upper Division 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 18 hrs

1. Asian, African, and Middle Eastern
2. British and European
3. Latin American
4. U.S. and Canadian

Select three hours of approved history courses 3 hrs
Students may substitute nine hours of 5000- or 6000-level course work for 3000- or 4000-level courses

5. 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

6. Foreign Language Requirements 0-8 hrs

Admission: 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.

7. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

8. University Minimum Exit Requirements - BA

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of summer credit (if applicable)

Total Semester Hours Required 120 hrs

Overall History MA Requirements (36 hrs)*

*Nine hours of graduate work are earned in the senior year, in consultation with the history graduate director.

1. Required Graduate Courses (12 hrs)

| | | |
|----------|-----------------|-------|
| HIS 6159 | Historiography | 3 hrs |
| HIS 6905 | Capstone Course | 3 hrs |
| HIS 6971 | Thesis | 6 hrs |

2. Courses in Area of Concentration (18 hrs)

Assumes that nine additional hours of graduate courses were taken during the senior year.

(Eastern Hemisphere: African, Asian, European, or Middle Eastern; or Western Hemisphere: Caribbean, North American, or South American)

3. Outside Area of Concentration in History (6 hrs)

4. Foreign Language Requirement

Students will also be expected to demonstrate reading competency in one foreign language. The foreign language competence must be completed one semester prior to the thesis defense.

5. Examination Requirements

Each candidate for the M.A. in History must pass written examinations in two fields upon conclusion of regular course work and before beginning a thesis. These examinations must be taken and passed as part of the requirements for the Capstone course. Each student will also submit a thesis prospectus and preliminary bibliography, which the three members of the student's thesis committee judge acceptable as the preliminary step to beginning the thesis.

Minimum Hours Required for M.A. - 36 Semester Hours (nine hours of which also count toward the B.A. degree)

Related Programs: Humanities

Related Minors: African-American Studies, American Studies, Asian Studies, History, Humanities, Judaic Studies, Latin American Area Studies, Middle Eastern Studies, Women's Studies

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 common program prerequisites if taken prior to transferring to UCF:

- AMH 2010* & 2020*: may use any two introductory courses with an AMH, EUH, LAH, ASH, HIS or WOH prefix. However AMH 2010 and 2020 are prerequisites for all subsequent American History courses and will need to be taken for the major.

INDUSTRIAL ENGINEERING ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.S.I.E./M.S.I.E.)

College of Engineering and Computer Science
Industrial Engineering and Management Systems
Department

ENG2 312, 407-823-2204; Fax: 407-823-3413

<http://www.iems.ucf.edu>

Admission Guidelines

- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 60 credit hours
- Completion of the GRE with a highly competitive score by the end of first semester of the junior year
- Admission is not automatic. Interested students may need to be interviewed.

1. UCF General Education Program (36+2 hrs)

(See Industrial Engineering major in this catalog for track specific GEP requirements)

2. Common Program Prerequisites (CPP's) (19 hrs)

(See Industrial Engineering major in this catalog for the CPP requirements)
See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Courses Required for the Industrial Engineering Core (22 hrs)

(See Industrial Engineering major in this catalog for a listing of Industrial Engineering core requirements)

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 4. below, technical elective courses listed in 5. below and with the sen-

Accelerated Undergraduate-Graduate Programs

ior design courses listed in 6. below. Independent study courses generally do **not** satisfy major requirements.

| | | |
|-------------|-------------------------------------|-------|
| EGN 1006C | Intro to the Engineering Profession | 1 hr |
| EGN 1007C | Engineering Concepts & Methods | 1 hr |
| COP 3223 | Introduction to C Programming | 3 hrs |
| EGN 3310 | Engineering Analysis - Statics | 3 hrs |
| EGN 3321 | Engineering Analysis - Dynamics | 3 hrs |
| EGN 3358 | Thermo-Fluids-Heat Transfer | 3 hrs |
| or EGN 3343 | Thermodynamics | |
| EGN 3365 | Structure & Properties of Materials | 3 hrs |
| EGN 3373 | Principles of Electrical Engnrng | 3 hrs |

4. Courses Required for the Major (40 hrs)

The Industrial Engineering and Management Systems department requires all students within the major to achieve a 2.0 GPA or better in each course listed in sections 4., 5., and 6. 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.

| | | |
|-----------|--|-------|
| EGN 3613 | Engineering Economic Analysis | 2 hrs |
| EIN 5108 | Environment of Technical Organizations | 3 hrs |
| STA 3032 | Probability & Statistics for Engineers | GEP |
| EIN 3000 | Introduction to IE & MS | 2 hrs |
| EIN 3314C | Work Measurement & Design | 3 hrs |
| EIN 3354 | Principles of Cost Engineering | 3 hrs |
| ESI 4628C | IE Applications of Computers | 3 hrs |
| EIN 4243C | Human Engineering | 3 hrs |
| EIN 4333C | Industrial Control Systems | 3 hrs |
| EIN 4364C | Industrial Planning & Design | 3 hrs |
| EIN 4391C | Manufacturing Engineering | 3 hrs |
| ESI 4221 | Empirical Methods for IE | 3 hrs |
| ESI 4234 | Quality Engineering | 3 hrs |
| ESI 5306 | Operations Research | 3 hrs |
| ESI 5531 | Discrete Simulation | 3 hrs |

5. Approved Technical Electives (3 hrs)

Technical electives should be taken at the 5000 or 6000 level and are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Departmental Graduation Requirements (6 hrs)

| | | |
|-----------|---------------------------|-------|
| EIN 4516C | Systems Analysis & Design | 3 hrs |
| EIN 4891C | IE Senior Design Project | 3 hrs |

- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit.

Total Semester Hours Required (B.S.I.E.) 128 hrs

9. Shared B.S.I.E /M.S.I.E. 12 hrs

Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Industrial Engineering and Management Systems department for a list of acceptable courses.

10. Areas of Study M.S.I.E. 18 hrs

Students must complete all requirements within the masters program that they are admitted to. See the list below for possible options. Detailed information regarding course and graduation requirements

can be located in the graduate catalog. Students have an end of program option of (1) Thesis or (2) non thesis (see graduate catalog for a detailed description of these options).

Total Semester hours (B.S.I.E./M.S.I.E.) 146 hrs

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 MSIE 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
- Undergraduate students are not eligible to take 6000-level courses

Equipment Fee

- Full-time Student\$90 per term
- Part-time Student\$45 per term

MECHANICAL ENGINEERING ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.S.M.E. /M.S.M.E., M.S.M.S.E., or M.S.A.E.)
College of Engineering and Computer Science
Mechanical, Materials, and Aerospace Engineering Department
ENGR 307, 407-823-2416; Fax: 407-823-0208
<http://www.mmae.ucf.edu>

Admission Guidelines

- 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.

1. UCF General Education Program (36+2 hrs)

(See Mechanical Engineering major in this catalog for track specific GEP requirements)

2. Common Program Prerequisites (CPP's) (19 hrs)

(See Mechanical Engineering major in this catalog for the CPP requirements)

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Courses Required for the Major (65 hrs)

| | | |
|-----------|--|-------|
| EGN 1006C | Intro to the Engineering Profession | 1 hr |
| EGN 1007C | Engineering Concepts & Methods | 1 hr |
| EGN 3310 | Engineering Analysis - Statics | 3 hrs |
| EGN 3321 | Engineering Analysis - Dynamics | 3 hrs |
| EGN 3343 | Thermodynamics | 3 hrs |
| EGN 3365 | Structure & Properties of Materials | 3 hrs |
| EGN 3373 | Principles of Electrical Engnrng | 3 hrs |
| STA 3032 | Probability & Statistics for Engineers | GEP |
| EML 3034 | Modeling Methods in MMAE | 3 hrs |
| EML 3303C | Mechanical Engrng Measurements | 3 hrs |
| EML 4312C | Feedback Control | 3 hrs |
| EML 3500 | Machine Design & Analysis | 3 hrs |
| EGM 3601 | Solid Mechanics | 3 hrs |
| EML 3701 | Fluid Mechanics I | 3 hrs |
| EML 4142 | Heat Transfer | 3 hrs |
| EML 4220 | Vibration Analysis | 3 hrs |
| EML 5532C | Computer-Aided Design for Manufacture | 3 hrs |

Select one of the following three options for your senior year to complete your BSME. (21 hrs)

a. Energy Systems Option

| | | |
|-----------|----------------------------------|-------|
| EML 3101 | Thermodynamics of Mechanical Sys | 3 hrs |
| EML 4304C | Thermo-fluids Measurements | 2 hrs |
| EML 4703 | Fluid Mechanics II | 3 hrs |

Accelerated Undergraduate-Graduate Programs

| | | |
|-------------------------------------|---|----------------|
| EML 4145 | Topics in Heat Transfer Approved Electives | 1 hr 12 hrs |
| b. Mechanical Systems Option | | |
| EML 4304C | Thermo-fluids Measurements | 2 hrs |
| EML 3262 | Kinematics of Mechanisms | 3 hrs |
| EGM 3601L | Solid Mechanics Lab Approved Electives | 1 hr 15 hrs |
| c. Materials Option | | |
| EMA 3012C | Experimental Techniques in Mech & Materials | 3 hrs |
| EMA 4102 | Thermodynamics and Kinetics of Materials | 3 hrs |
| EMA 3124 | Design and Selection of Materials | 3 hrs |
| EMA 4223 | Fundamentals of Mech. Behavior of Materials Approved Electives | 3 hrs 9 hrs |

4. Approved Technical 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.

5. Departmental Graduation Requirements (6 hrs)

| | | |
|--|-----------------------------|-------|
| EML 4501C | Engineering Design I | 3 hrs |
| or EGN 4412C | Interdisciplinary Design I | |
| EML 4502C | Engineering Design I | 3 hrs |
| or EGN 4413C | Interdisciplinary Design II | |
| <ul style="list-style-type: none"> CECS encourages all engineering students to take the Fundamentals Exam during their Senior year. | | |

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit.

Total Semester Hours Required (B.S.M.E.) 128 hrs

9. Shared B.S.M.E./M.S.M.E., M.S.M.S.E. or M.S.A.E. 12 hrs

Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

10. Areas of Study M.S.M.E., M.S.M.S.E., or M.S.A.E. 18 hrs

Students must complete all requirements within the masters program that they are admitted to. See the list below for possible options. Detailed information regarding course and graduation requirements can be located in the graduate catalog. Students have an end of program option of (1) Thesis or (2) non thesis (see graduate catalog for a detailed description of these options).

Computer-Aided Mechanical Engineering Track

Mechanical Systems Track

Miniature Engineering Systems Track

Professional Track

Space Systems Design and Engineering Track

Thermofluid Aerodynamic Systems Design and Engineering Track

Thermofluids Track

**Total Semester hours 146 hrs
(B.S.M.E./M.S.M.E., M.S.M.S.E., or M.S.A.E.)**

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 MSME, MSMSE, or MSAE 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
- Undergraduate students are not eligible to take 6000-level courses

Equipment Fee

- Full-time Student\$90 per term
- Part-time Student\$45 per term

MOLECULAR BIOLOGY AND MICROBIOLOGY - UCF/USF Accelerated Medical School Program (B.S.)

College of Medicine

Burnett School of Biomedical Sciences

HPA2 335, 407-823-5932

<http://www.biomed.ucf.edu>

Chair: P.E. Kolattukudy

Students seeking admission to University of South Florida College of Medicine [USFCOM] through the accelerated program will meet all USFCOM admission requirements and obtain a B.S. in Molecular Biology and Microbiology after completion of the first year of the medical school curriculum.

Admission Requirements

Students must apply for this program through the Burnett Honors College prior to attending UCF. Eligibility requirements include FL residency, unweighted high school GPA of 3.7 and SAT score of 1300 or ACT of 29. More information about the admission process can be found at <http://www.honors.ucf.edu> and in catalog: Burnett Honors College: UCF/USF Accelerated Medical School Program.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a departmental advisor and the Burnett Honors College advisor.
- Students who decelerate will not have grades below C⁻ (1.75) in the life science courses accepted.

1. UCF General Education Program (36+3 hrs)

(Note: Certain courses must be selected in the GEP for this major, bringing total GEP hours to more than 36.)

| | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| Select ENC 1101H Honors Fr Composition I | |
| Select ENC 1102H Honors Fr Composition II | |
| Prefer SPC1016 H Honors Fund. Tech Presentations | |
| B. Cultural Historical Foundations | 9 hrs |
| C. Mathematical Foundations | |
| Select MAC 2311 | 4 hrs |
| Select STA 2023 | 3 hrs |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | |
| Select BSC 2010C Biology I | 4 hrs |
| Select CHM 2045C Chemistry Fundamentals I | 4 hrs |

2. Common Program Prerequisites (16 hrs)

| | | |
|--------------------|---|------------|
| BSC 2010C | Biology I | GEP |
| BSC 2011C* | Biology II | 4 hrs |
| CHM 2045C**, 2046, | Chemistry Fundamentals I, II, + Lab 2046L | GEP, 4 hrs |
| CHM 2210, 2211, | Organic Chemistry I, II, + Lab 2211L | 8 hrs |
| MAC 2311 | Calculus with Analytical Geometry I | GEP |

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements* (36 hrs)

| | | |
|----------------|--------------------------------|-------|
| Life Sciences | | |
| MCB 3020C | General Microbiology | 5 hrs |
| MCB 4912 | Undergraduate Research | 3 hrs |
| MCB 4941 | Internship Clinical Experience | 1 hr |
| PCB 4239 | Molecular Immunology | 3 hrs |
| PCB 3233L | Immunology Lab | 1 hr |
| PCB 3522, 4524 | Molecular Biology I, II | 6 hrs |

Accelerated Undergraduate-Graduate Programs

| | | |
|-------------------------------------|--------------------------------------|-------|
| BSC 3403C | Quantitative Biological Methods | 4 hrs |
| SLS 2311C | Selected Medical Careers | 2 hrs |
| Chemistry | | |
| BCH 4053 | Biochemistry I | 3 hrs |
| Math Calculus and Statistics | | |
| MAC 2311 | Calculus with Analytical Geometry I | GEP |
| STA 2023 | Statistical Methods I | GEP |
| Physics | | |
| PHY 2053C, 2054C | College Physics I, II | 8 hrs |
| <i>or</i> | | |
| PHY 2048, PHY 2049 | Physics for Scientists and Engineers | |
| *May be substituted by BSC 3403C | | |
| **Or CHM 2040C, 2041C | | |

4. Upper Division Restricted Electives (8 hrs)**

Five restricted electives satisfied by first year medical school courses.

| | | |
|-----------|------------------|-------|
| PCB 3703C | Human Physiology | 4 hrs |
| ZOO 3733C | Human Anatomy | 4 hrs |

5. Additional USF/UCF Requirements (7 hrs)

| | | |
|---------------------|--|-------|
| IDH 1921H | Honors Symposium | 1 hr |
| ENC3241/ENC3241H | Writing for the Tech Professional | 3 hrs |
| PHI 4633H <i>or</i> | Honors Ethics and Biological Science | 3 hrs |
| PAF 3753H | Honors Ethical Issues in Health & Public Affairs | |

106 total hrs

*Students must select at least two honors sections of upper division core requirements or restricted electives, and a total of four lower division courses in honors.

**Students decelerating to the 4 year B.S. program must take the following additional courses:

| | | |
|---|----------------------|--------|
| MCB 4414 | Microbial Metabolism | 3 hrs |
| 4 additional Upper Division Restricted Electives listed under Molecular Biology and Microbiology B.S. (minimum) | | 11 hrs |

120 total hrs

6. Departmental Exit Requirements

To be eligible for a major in Molecular Biology and Microbiology:

- For decelerated program, the student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Core and Restricted Electives.
- For accelerated program the degree is awarded after successful completion of first year USF Medical School program.

7. Electives: none

8. Foreign Language Requirements (0-8 hrs)

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. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed at UCF and/or USF

Total Semester Hours Required 120 hrs

For accelerated program, 14 credit hours will be from completion of USF College of Medicine first year courses.

Related Programs: Biology, Interdisciplinary Studies

Related Minors: Biology, Chemistry

Transfer Notes:

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- BSC 2011C*: may be substituted by BSC 3403C
- CHM 2045C**: may be substituted by CHM 2040C, 2041C

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/aic/academic_learning_compacts.htm

Tentative Course Schedule for Entering Freshmen

| | | | |
|------------------------------|---------------|---------------|---------------|
| Freshman Year | | | |
| Fall | 15 hrs | Spring | 16 hrs |
| ENC 1101H | 3 | ENC 1102H | 3 |
| PSY 2012H <i>or</i> SYG 2000 | 3 | STA 2023 | 3 |
| <i>or</i> ANT 2000H | | CHM 2046 | 3 |
| CHM 2045C | 4 | CHM 2046L | 1 |
| BSC 2010C | 4 | MAC 2311 | 4 |
| IDH 1921 | 1 | SLS 2311C | 2 |
| Summer | 8 hrs | | |
| PCB 3703C | 4 | | |
| ZOO 3733C | 4 | | |

| | | | |
|------------------------------------|---------------|-------------------------------------|---------------|
| Sophomore Year | | | |
| Fall | 16 hrs | Spring | 16 hrs |
| CHM 2210 | 3 | CHM 2211 | 3 |
| MCB 3020C | 5 | CHM 2211L | 2 |
| PHI 4633H <i>or</i> PAF 3753H | 3 | PHY 2054C <i>or</i> PHY 2049, 2049L | 4 |
| PHY 2053C <i>or</i> PHY 2048, 248L | 4 | BSC 3403C | 4 |
| MCB 4941 | 1 | SPC 1016H | 3 |
| Summer | 0 hrs | | |
| MCAT | | | |
| Prep Exam | | | |

| | | | |
|---------------------|---------------|-----------------------------|---------------|
| Junior Year | | | |
| Fall | 16 hrs | Spring | 16 hrs |
| PCB 3522 | 3 | PCB 4524 | 3 |
| BCH 4053 | 3 | PCB 4239, 3233L | 4 |
| ENC 3241/ENC 3241H | 3 | Cultural/Historical | 3 |
| BSC 2011C** | 4 | ECO 2013 <i>or</i> POS 2041 | 3 |
| Cultural/Historical | 3 | Cultural/Historical | 3 |
| *Or equivalent | | | |
| Summer | 3 hrs | | |
| MCB 4912 | 3 | | |

NURSING ACCELERATED SECOND DEGREE C. BACHELOR OF SCIENCE IN NURSING (BSN) OPTION

(For individuals who are not Registered Nurses but who hold a baccalaureate or higher degree from a regionally accredited college or university)

College of Nursing
HPA 220, 407-823-2744
<http://www.nursing.ucf.edu>
E-mail: ucfnurse@mail.ucf.edu

Dean: Jean Leuner; Associate Dean Undergraduate: Linda Hennig; Undergraduate Coordinator: Patricia Leli

Admission Requirements Limited Access

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 January 15 of the year admission is sought.
- Application to the University must also be submitted by the program deadline.
- Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office. Students should complete the regular undergraduate admission application.
- 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.
- Three biological science prerequisite courses must be completed by the program application deadline. Five of the nine program prerequisites must be completed by the program application deadline.

Accelerated Undergraduate-Graduate Programs

- All applicants must have a minimum overall GPA of 3.0, and complete all program prerequisite courses with a grade of "C" (2.0) or better.
- All applicants must complete an accelerated second degree program interview in association with a mandatory information session.
- Graduates are eligible to apply to take the licensing examination for registered nurses (NCLEX-RN). The program is accredited by the National League for Nursing and the Commission of Collegiate Nursing Education and approved by the Florida State Board of Nursing.
- Nursing Accelerated Second Degree Program begins in Summer Semester.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students should consult with a College of Nursing advisor 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)
- Any variation from the stated prerequisite must be approved in writing by the School of Nursing. Petition forms are available in the College of Nursing office

1. UCF General Education Program

NA

2. Common Program Prerequisites

(31 hrs)

| | | |
|-------------------|------------------------------------|-------|
| PSY 2012 | General Psychology | 3 hrs |
| SYG 2000 | Sociology | 3 hrs |
| MCB 2004C | Health Microbiology (S****) | 4 hrs |
| CHM 1032/L | General Chemistry and lab* (S****) | 4 hrs |
| ZOO 3733C | Human Anatomy** (S****) | 4 hrs |
| PCB 3703C | Human Physiology** (S****) | 4 hrs |
| STA 2014C or 2023 | Principles of Statistics | 3 hrs |
| SOW 3104 | Assessing Human Development or | |
| DEP 2004 | Developmental Psychology | 3 hrs |
| HUN 3011 | Human Nutrition | 3 hrs |

*The first semester of a two semester general chemistry course does not meet requirement (ie CHM 1045, 2045, Chemistry I).

**May take Anatomy and Physiology sequence of six-eight total credits.

****S* indicates a biological science prerequisite.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements

(57-62 hrs)

| | | |
|---------------|---|---------|
| NUR 3065 | Health Assessment | 2 hrs |
| NUR 3065L | Health Assess Lab | 1 hr |
| NUR 3825 | Role of Professional Nurse | 2 hrs |
| NUR 3028 | Essentials of Nursing Practice | 2 hrs |
| NUR 3028L | Essentials of Nursing Practice Lab | 1 hr |
| NUR 3755L | Essentials of Nursing Practice Clinical | 2 hrs |
| NUR 3634 | Community Health Nursing | 3 hrs |
| NUR 3634L | Community Health Nursing Clinical | 2 hrs |
| NUR 3125 | Pathophysiology for Nurses | 3 hrs |
| NUR 3145 | Pharmacology for Nurses | 3 hrs |
| NUR 3225 | Nursing Care of the Adult I | 3 hrs |
| NUR 3225L | Nursing Care of the Adult I Clinical | 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 | 3 hrs |
| NUR 4932 ST: | Psychiatric Mental Health Nursing | 3 hrs |
| NUR 4932L ST: | Psychiatric Mental Health Nursing Clinical | 2 hrs |
| NUR 4829 | Transition to Professional Practice As a Leader | 3 hrs |
| NUR 4257 | Introduction to Critical Care Nursing | 3 hrs |
| NUR 4932 ST: | Public Health Nursing | 2 hrs |
| NUR 4932L ST: | Public Health Nursing Clinical | 1 hr |
| NUR 4945L | Nursing Practicum | 4 hrs |
| NUR 4XXX | Nursing Elective | 3 hrs** |

Any variation from the above must be approved by the College of Nursing.

*Students without a research course on transcript must take NUR 3165 (3 hrs)

**Students may petition to waive elective requirement.

4. Upper Division Restricted Electives

(3 hrs)

Nursing Elective: Students may petition the Undergraduate Admission, Progression and Graduation committee to substitute elective requirement

5. Department Continuation and 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

6. Electives

none

7. Foreign Language requirements

Admission:

none

Graduation:

none

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF

Total Semester Hours Required for 2nd Degree BSN 56 hrs

Related Programs

Health Services Administration, Social Work, all health programs

Related Minors

Aging Studies, Psychology, Health Sciences, Health Services Administration

Transfer Notes:

Examples of Community College Equivalent Courses for

Prerequisites

| | |
|---|-----|
| General Psychology (PSY X012) or any General Psychology course | 3 |
| General Sociology (SYG 2000) or any Intro to Sociology course | 3 |
| Statistics (STA 2014C or 2023) or any Statistics course | 3 |
| General Chemistry (CHM 1032 or any other comprehensive chemistry course w/lab)* (S**) | 4 |
| Human Anatomy and Physiology I & II w/lab (BSC 2093/2094) or (BSC X085/X086) (S**) | 6-8 |
| General Microbiology (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab (S**) | 4 |
| Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span course | 3 |
| Human Nutrition with Therapeutic Nutrition course | 3 |

*The first semester of a two semester general chemistry course does not meet requirement (ie CHM 1045, 2045, Chemistry I).

***S* indicates a biological science prerequisite.

Note: A grade of "C" (2.0) or better is required in all prerequisite courses.

Honors

University Honors and Honors in the Major Available

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$50 per term
- Part-time Student\$25 per term

Tentative Course Schedule

First Semester

| Summer | 15 hrs | Fall | 16 hrs |
|-----------|--------|-----------|--------|
| NUR 3825 | 2 | NUR 3125 | 3 |
| NUR 3065 | 2 | NUR 3145 | 3 |
| NUR 3065L | 1 | NUR 3225 | 3 |
| NUR 3028 | 2 | NUR 3225L | 2 |
| NUR 3028L | 1 | NUR 3445 | 3 |
| NUR 3755L | 2 | NUR 3445L | 2 |
| NUR 3634 | 3 | | |
| NUR 3634L | 2 | | |

| Spring | 13-15 hrs | Summer | 13-16 hrs |
|--------------|-----------|---------------------|-----------|
| NUR 4932 ST | 4 | NUR 4829 | 3 |
| NUR 4932L ST | 3 | NUR 4257 | 3 |
| NUR 4932 ST | 3 | NUR 4932 ST | 2 |
| NUR 4932L ST | 2 | NUR 4932L ST | 1 |
| NUR 3167 | 1 | NUR 4945L | 4 |
| or* NUR 3165 | 3 | **NUR 3XXX Elective | 3 |

Other

*Students without a research course on transcript must take NUR 3165

**Students may petition to waive elective requirements.

Accelerated Undergraduate-Graduate Programs

NURSING (B.S.N.) D. RN TO MSN OPTION

College of Nursing
HPA 220, 407-823-2744, E-mail: ucfnurse@mail.ucf.edu
<http://www.nursing.ucf.edu/>

An Accelerated program for students who hold an RN license and meet general education requirements, pre-requisites, required GPA and GRE score.

Available for all tracks in the graduate program. Nursing Leadership and Management, Family Nurse Practitioner, Adult Nurse Practitioner, Pediatric Nurse Practitioner, Clinical Nurse Leader, Nurse Educator, and Clinical Nurse Specialist. (See UCF *Graduate Catalog* for current offerings.) Nine (9) to twelve (12) graduate credit hours may be applied toward meeting requirements of both BSN and MSN programs.

Admission Requirements

Limited Access

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 for application materials. All applicants must meet the following criteria:

- Graduate of a state-approved or accredited associate degree or diploma nursing program
- Licensure as a Registered Nurse (RN)
- Completion of UCF general education requirements or an AA degree from a Florida community college, including CLAST (or exempt)
- Completion of prerequisites for the RN-BSN nursing program
- Minimum cumulative GPA of 3.0. (all prior college coursework) A minimum combined GRE score of 900 on the verbal/quantitative exams.
- Admitted to UCF undergraduate program
- Two professional references addressing qualifications and ability to succeed in graduate school
- Resume
- Letter of Intent/Goal statement

Interim Requirements:

Maintain a Nursing GPA of 3.0

Admission Requirements for Graduate Nursing Phase: (To be met one semester before the BSN is awarded)

- Application to and acceptance by the UCF Office of 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
- 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 a College of Nursing advisor for clarification of questions regarding prerequisite requirements
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College or other 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 (36+1 hrs)

- | | |
|------------------------------------|-------|
| A. Communication Foundations | |
| 1. ENC 1101 & ENC 1102 | |
| 2. Prefer SPC 1600C | 9 hrs |
| B. Cultural Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| 1. Prefer MAC 1105 | |
| 2. Select STA 2014C | |

- | | |
|---|-------|
| D. Social Foundations | 6 hrs |
| 1. Select SYG 2000 <i>or</i> PSY 2012* | |
| 2. Select one: ECO 2013, <i>or</i> ECO 2023, <i>or</i> POS 2041 | |
| E. Science Foundations**: | 7 hrs |
| Select BSC 2010C (4) | |
| Select CHM 1032 (3) | |

*One of these courses is required to meet General Education requirements, but both are required program prerequisites.

**Science Foundation is 6 credit hours for General Education Program; however the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

| | | |
|--|-----------------------------|-------|
| 2. Common Program Prerequisites | 21 hrs | |
| PSY 2012 | General Psychology** | 6 hrs |
| SYG 2000 | Sociology** | 3 hrs |
| MCB 2004C | Health Microbiology | 4 hrs |
| CHM 1032 | General Chemistry** | 6 hrs |
| CHM 1032L | General Chemistry Lab | 6 hrs |
| ZOO 3733C | Human Anatomy* | 4 hrs |
| PCB 3703C | Human Physiology | 4 hrs |
| STA 2014C <i>or</i> 2023 | Principles of Statistics** | 6 hrs |
| SOW3104 | Assessing Human Development | 3 hrs |
| <i>or</i> DEP 2004 | Developmental Psychology | |
| HUN 3011 | Human Nutrition | 3 hrs |

*May take Anatomy and Physiology sequence of six-eight total credits.

**Also meets General Education Requirements;

Applicants should see a UCF Nursing Advisor for possible course substitutions. See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements (30 hrs)

UCF Upper Division Requirements

| | | |
|-----------|--|-------|
| 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, & Econ | 3 hrs |
| NUR 4XXX | Public Health Nursing | 2 hrs |
| NUR 4604L | Practicum in Community and Public Health Nursing for RNs | 4 hrs |

Students in the Nurse Educator/Clinical Nurse Leader, and Nurse Practitioner tracks take the following (12 credits) (nine graduate credits also applied to MSN)

| | | |
|-----------|--|-------|
| NGR 5003 | | 2 hrs |
| NGR 5004L | | 1 hr |
| NGR 5638 | | 3 hrs |
| NGR 5141 | | 3 hrs |
| NUR 4XXX | Leadership, Management and Role Transition | 3 hrs |

Students in the Clinical Nurse Specialist Track take the following (12 credits) (twelve graduate credits also applied to MSN)

| | | |
|-----------|--|-------|
| NGR 5003 | | 2 hrs |
| NGR 5004L | | 1 hr |
| NGR 5720 | | 3 hrs |
| NGR 5141 | | 3 hrs |
| NGR 5800 | | 3 hrs |

Students in the Nursing Leadership & Management Track take the following (12 credits) (nine graduate credits also applied to MSN)

| | | |
|-----------|--|-------|
| NGR 5720 | | 3 hrs |
| NGR 5871 | | 3 hrs |
| NGR 5800 | | 3 hrs |
| NUR 3065 | | 2 hrs |
| NUR 3065L | | 1 hr |

Upper Division Credit*

| | | |
|-----------------|--|-------|
| (27 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 | 3 hrs |
| NUR 3225 | Nursing Care of the Adult I | 3 hrs |
| NUR 3225L | Nursing Care of the Adult I Clinical | 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 | 3 hrs |
| NUR XXXX | Psychiatric Mental Health Nursing | 3 hrs |
| NUR XXXXL | Psychiatric Mental Health Nursing Clinical | 2 hrs |

*May be met by validation

4. Upper Division Restricted Elective

none

Accelerated Undergraduate-Graduate Programs

5. 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

6. Electives

Variable to meet degree requirements.

7. Foreign Language Requirements

(0-8 hrs)

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. University Minimum Exit Requirements

(For students exiting after earning BSN.)

- A 2.0 UCF GPA and 2.5 Nursing Major GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed

- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required BSN

120 hrs

Related Programs: Health Services Administration, all health programs

Related Minors: Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

Equipment Fee

- Full-time Student\$90 per term
- Part-time Student\$45 per term



STATEWIDE ARTICULATED A.S. TO B.S. PROGRAMS

The University offers eight specialized degree programs for students who have graduated from a Florida Community College with an A.S. degree in one of the following eight programs: Applied Science, Criminal Justice Technology, Electronics Engineering Technology, Business Administration, Hospitality Management, Computer Engineering Technology - Network Specialization, Nursing, and Radiology

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 or Computer Engineering Technology) from a Florida public community college.
2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The new 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 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." designating their desire to participate in the articulation agreement.
5. UCF will allow students to complete the UCF required General Education courses at their community college while they are enrolled and working on their degree at UCF. However, students cannot be transient in their last 30 hours at UCF.

6. Students with Associate in Applied Science (AAS) degrees are not eligible for participation in these programs unless they also have the appropriate A.S. degree.

Applicants who qualify for this program are not guaranteed admission to the limited access programs in Nursing and Radiologic Sciences or programs that require specific grades in particular courses for admission.

Students should consult with their community 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 CLAST prior to graduation from UCF. Students may be required to complete all common program prerequisites for these majors prior to enrollment in upper division course work. The total hours required for the General Education Program (GEP) will be 36 hours, excluding any necessary remediation.

Students admitted into these programs must meet the requirements as stated in the programs listed below. Students who change majors out of these programs must adopt the requirements of the most current catalog for the selected major, including the required UCF General Education Program.

Questions concerning the requirements of these majors should be referred to the appropriate academic department or the Director of Transfer Services, (407) 823-2231.

APPLIED SCIENCE (B.A.S.)

A.S. to B.A.S.

(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

Office of Undergraduate Studies

Regional Campuses Administrative Offices

12201 Research Parkway, Suite 101

407-823-4547

<http://www.regionalcampuses.ucf.edu/>

Regional Campus Director of Advising: Helen Hill, 407-823-1509

The Bachelor of Applied Science, available at selected sites, provides baccalaureate educational opportunities with a curriculum designed to develop competencies in organizational skills, management, and communication. Emphasis will also be placed on the development of skills in critical thinking, problem solving, and ethical decision-making.

Students are allowed to take lower level, general education classes at the campus in Orlando if necessary. If students wish to take an upper division course at the Orlando campus they should see a Regional Campuses' academic advisor. This will be allowed only on a very limited basis and under highly extenuating circumstances. If you have any questions regarding this policy or procedure, please contact the Director of Regional Campuses Advising at 407-823-4547.

Admission Requirements

Completion of an A.S. degree from a Florida public community college which included at least 15 hours of transferable general education courses. Other applicants will be given individual review.

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Students should maintain contact with an academic advisor to guarantee timely completion of all requirements including CLAST, Gordon Rule, Foreign Language Admission and General Education.

1. UCF General Education Program (36 hrs)

Students will take General Education courses as needed to complete the university's 36 credit hour General Education requirement.

| | |
|--|-------|
| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 6 hrs |

2. Common Program Prerequisites none

3. Required Core (10-11 hrs)

| | | |
|----------|--|-------|
| BUL 3130 | Legal & Ethical Environment for Business | 4 hrs |
| or | | |
| PLA 3013 | Law and the Legal System | 3 hrs |
| MAN 3025 | Management of Organizations | 4 hrs |
| ENC 3241 | Writing for the Technical Professional | 3 hrs |
| or | | |
| ENC 3250 | Professional Writing | 3 hrs |

4. Area of Concentration (Choose one)

All tracks are not available at all locations.

A. Supervision and Administration Track: (20 hrs)

| | | |
|-----------|--|-------|
| INP 3004 | Industrial/Organizational Psychology | 3 hrs |
| ISM 3011C | Management Information Systems (PR: CGS 1060 or CGS 2100C) | 4 hrs |
| MAR 3023 | Marketing | 4 hrs |
| MAN 3302 | Essentials of Human Resource Management for Non-business majors | 3 hrs |
| MAN 3354 | Employee Training for Non-business Majors | 3 hrs |
| ACG 3082 | Accounting for Non-business majors | 3 hrs |

B. Industrial Operations Track: (21 hrs)

Students are strongly urged to complete STA 2023 within the general education program.

| | | |
|----------|--|-------|
| ETI 3116 | Applied Quality Assurance | 3 hrs |
| ETI 3671 | Technical Economics (PR: MAC 1105) | 3 hrs |
| ETI 4186 | Applied Reliability | 3 hrs |
| ETI 4635 | Technical Administration | 3 hrs |
| ETI 4640 | Operations Management for Technologists | 3 hrs |
| ETI 4448 | Applied Project Management | 3 hrs |
| CET 3010 | Introduction to Information Technology (PR: MAC 1105) | 3 hrs |

C. Criminal Justice Track: (18 hrs)

| | | |
|---|--------------------------------------|-------|
| CCJ 3024 | Criminal Justice System | 3 hrs |
| CCJ 3014 | Crime in America | 3 hrs |
| Choose two from the courses listed below: | | |
| CJL 3510 | Prosecution and Adjudication (3 hrs) | |
| CJC 3010 | The Corrections and Penology (3 hrs) | |
| CJE 4014 | Police and Society (3 hrs) | |
| Six additional semester hours of CCJ, CJC, CJE, CJL, or CJT courses: Selected with the aid of an academic advisor | | 6 hrs |

Statewide Articulated A.S. To B.S. Programs

D. Legal Studies Track:

| | | | |
|--|---|----------|--------|
| PLA 3013 | Law and the Legal System | (18 hrs) | 3 hrs |
| PLA 3104 | Legal Research | | 3 hrs |
| Choose four from the courses listed below: | | | 12 hrs |
| PLA 3155 | Legal Writing (3 hrs) | | |
| PLA 3201 | Civil Practice and Procedure (3 hrs) | | |
| PLA 3273 | Law of Torts (3 hrs) | | |
| PLA 3308 | Criminal Procedure (3 hrs) | | |
| PLA 4423 | The Law of Contracts (3 hrs) | | |
| PLA 4700 | Professional Ethics and Liability (3 hrs) | | |

E. Health Services Administration Track:

| | | | |
|--|---|----------|-------|
| HSA 3111 | U.S. Health Care Systems | (18 hrs) | 3 hrs |
| HSA 3111 is a prerequisite class for all of the following classes) | | | |
| HSC 4201 | Community Health Services | | 3 hrs |
| HSA 4180 | Organization and Management for Health Agencies | | 3 hrs |
| HSA 4191 | Health Care Automation (PR: CGS 2100C) | | 3 hrs |
| HSC 4500 | Epidemiology (PR: STA 2014C or STA 2023) | | 3 hrs |
| Choose One: | | | |
| HSC 4652 | Health Law and Ethics <i>or</i> | | |
| HSA 4109 | Managed Care <i>or</i> | | |
| HSA 4502 | Risk Management <i>or</i> | | |
| HIM 4506C | Quality Management <i>or</i> | | |
| HSA 4702 | Health Science Research Methods | | |

F. Information Technology Track:

Students are strongly urged to complete STA 2023 within the general education program.

| | | | |
|---------------------|--|----------|-------|
| CET 3010 | Introduction to Information Technology | (21 hrs) | 3 hrs |
| <i>PR: MAC 1105</i> | | | |
| CET 2364 | System Applications in C | | 3 hrs |
| <i>PR: MAC 1105</i> | | | |
| CET 3752 | Introduction to Telephony | | 3 hrs |
| CET 3383 | System Analysis 1 | | 3 hrs |
| CET 4427 | Applied Database 1 | | 3 hrs |
| CET 4505 | Applied Operating Systems 1 | | 3 hrs |
| ETI 4448 | Applied Project Management | | 3 hrs |

G. Early Childhood Education Track:

| | | | |
|---------------------|--|----------|-------|
| EEC 3700 | Social and Emotional Development of Young Children | (21 hrs) | 3 hrs |
| RED 3310 | Early Reading, Writing and Language Arts | | 3 hrs |
| EEC 4268 | Curriculum Activities in Early Childhood | | 3 hrs |
| EEC 4604 | Classroom Management and Guidance of Young Children | | 3 hrs |
| <i>PR: EEC 3700</i> | | | |
| EEX 4751 | Parent Involvement | | 3 hrs |
| TSL 4080 | Theory and Practice of Teaching ESOL Students in Schools | | 3 hrs |
| EEX 3450 | Young Children with Special Needs | | 3 hrs |

5. Modern Language Requirement

(0-8 hrs)

Admission Requirements

Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation:

none

University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 42 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of summer credit (if applicable)

Total Semester Hours Required

120 hrs

Transfer Notes

- UCF will allow students to complete required UCF General Education courses at the community college while they are enrolled and working on their degree at UCF; however, students cannot be transient in their last 30 hours at UCF.
- Courses taken at community colleges do not substitute for upper division courses.

- All students seeking a baccalaureate degree from a State of Florida Institution are required to satisfy the CLAST requirement. Transfer students with more than 60 semester hours who have not taken the CLAST or who have not met the CLAST requirement may be admitted, but they must take the CLAST exam during their first semester at UCF.
- 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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

CRIMINAL JUSTICE (B.S.)

A.S. to B.S. TRACK

(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

College of Health and Public Affairs

Department of Criminal Justice and Legal Studies

HPA 311, 407-823-2603

<http://www.cohpa.ucf.edu/crim.jus/>

E-mail: cjadvice@mail.ucf.edu

Undergraduate Program Director: Mary Ann Eastep

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 18 hours of transferable general education courses

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- The courses designated in section 1 below may be taken at a Florida Community College.
- Students must earn a minimum 2.0 GPA in the core requirements and the restricted electives.

1. UCF General Education Program

(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:

- Communication Foundations
- Cultural Historical Foundations
- Mathematical Foundations
- Social Foundations
- Science Foundations

2. Common Program Prerequisites

Completed as part of the approved A.S. program

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements

(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 |

4. Upper Division 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.

Statewide Articulated A.S. To B.S. Programs

5. Upper Division Unrestricted Electives **none**

6. Departmental Exit Requirements

Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice.

7. Foreign Language Requirements

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. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required **130 hrs**

Related Programs: Legal Studies

Related Minors: Legal Studies, Public Administration, Psychology

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

ELECTRICAL ENGINEERING TECHNOLOGY (BSEET) A.S. to B.S.E.E.T. CONCENTRATION

(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

College of Engineering and Computer Science

Engineering Technology (ENT) Department

ENGR 207, 407-823-4749; Fax: 407-823-4746

<http://www.ent.ucf.edu>

Coordinator: Alireza Rahrooh, E-mail: rahrooh@pegasus.cc.ucf.edu

Admission Requirements

Completion of a Statewide Articulated A.S. in Electrical Engineering Technology from a Florida public community college which is composed of 68 hours of course work, including at least 22 hours of transferable General Education courses.

Degree Requirements

- Students should check with their ENT advisor frequently to ensure that they are making proper progress toward the degree.
- A grade of "C" (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program **(14 hrs)**

- A. Communication Foundations 3 hrs
- B. Cultural and Historical Foundations 3 hrs
- C. Mathematical Foundations 4 hrs
 - 1. Select MAC 2311 or MAC 2253
- D. Social Foundations (0 hrs)
- E. Science Foundations 4 hrs
 - 1. Select PHY 2048 and PHY 2048L or PHY 2053C

Note: See PHY component under Section 2.

2. Common Program Prerequisites (CPP) **(4 hrs)**

- (C (2.0) or better grades are required in all courses)**
- MAC 2311 or MAC 2253 GEP
 - MAC 2312 or MAC 2254 or equivalent 4 hrs
 - PHY 2048 and PHY 2048L GEP
 - or PHY 2053C

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Engineering Technology Core Requirements **(22 hrs)**

- (C (2.0) or better grades are required in all courses.)**
- ETG 3541 Applied Mechanics 3 hrs
 - ETI 3671 Technical Economic Analysis 3 hrs
 - ETI 4448 Applied Project Management 3 hrs

| | | |
|-------------------------------------|-------------------------------|-------|
| ETI 3116 | Engineering Quality Assurance | 3 hrs |
| ENC 3241 | Technical Report Writing | 3 hrs |
| PHY 2049 and PHY 2049L or PHY 2054C | | 4 hrs |
| STA 2023 | Statistical Methods I | 3 hrs |

4. Upper Level Required Courses **(23 hrs)**

(C (2.0) or better grades are required in all courses)

| | | |
|-----------|-------------------------------|-------|
| CET 3198C | Digital Systems | 3 hrs |
| CET 3503 | Microcomputer Technology I | 3 hrs |
| CET 4134C | Microprocessor Electronics II | 3 hrs |
| EET 3716 | Network Analysis | 3 hrs |
| EET 4158C | Linear Integrated Circuits | 3 hrs |
| EET 4548C | Power Systems | 4 hrs |
| EET 4732C | Feedback Control Systems | 4 hrs |

5. Upper Level Technical Electives **(4 hrs)**

(C (2.0) or better grades are required in all courses)

Select four hours from the following:

| | | |
|-----------|-----------------------------------|-------|
| CET 3144C | Applied Microprocessor Technology | 3 hrs |
| CET 4138C | Digital Programmable Devices | 3 hrs |
| CET 4333 | Computer Organization & Design | 3 hrs |
| EET 4329C | Communication Systems | 3 hrs |
| EET 4359C | Digital Communications | 4 hrs |
| EST 3222 | Intro to Photonics | 3 hrs |

6. Departmental Exit Requirement **(3 hrs)**

| | | |
|-----------|-----------------------|-------|
| ETG 4950C | Senior Design Project | 3 hrs |
|-----------|-----------------------|-------|

- A grade of 2.0 or better is required in all prerequisites.

7. Foreign Language Requirements **(0-8 hrs)**

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. University Minimum Graduation Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits are permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: **134 hrs**

Related Programs: Electrical Engineering Technology (Electrical Systems Concentration).

Related Minors: **none**

Transfer Notes:

- Students transferring from any Florida public institution with an A.A. or with the General Education Program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- ENT Departmental Residency Requirements consist of at least 33 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.
- PHY 2048/L can substitute for PHY 2053C.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student \$58 per term
- Part-time Student \$29 per term

| Junior Year | | 13/14 hrs | Spring | 16 hrs |
|-------------|---------------------------------|-----------|--------------------------------|--------|
| Fall | | | | |
| | MAC 2253 Applied Calc I or | 3/4 | PHY 2054C/2049 w/ lab | 4 |
| | MAC 2311 Calc w/Anal Geom I | | ETG 3541 Applied Mechanics | 3 |
| | STA 2023 Statistical Methods I | | CET 3198C Digital Systems | 3 |
| | SPC 1600 Oral Communications | | ETI 4448 Applied Project Mngmt | 3 |
| | PHY 2053C/2048 Physics I | | EET 3716 Network Analysis | 3 |
| Summer | | 6 hrs | | |
| | ETI 3116 Appl Eng Quality Assur | | | 3 |
| | Cultural/Historical Foundation | | | 3 |

Statewide Articulated A.S. To B.S. Programs

Senior Year

| | | | |
|-----------------------------------|---------------|---------------------------------|---------------|
| Fall | 14 hrs | Spring | 13 hrs |
| EET 4548C Power Systems | 4 | EET 4732C Feedback Control Sys | 4 |
| EET 4158C Linear Int Cir | 3 | ETI 3671 Tech Economic Analysis | 3 |
| CET 3503 Microcomputer Tech I | 3 | ETG 4950C Snr Design Project | 3 |
| MAC 2312, 2254 <i>or</i> MAP 3401 | 4 | ENC 3241 Writing Tech Pros | 3 |
| Summer | 10 hrs | | |
| CET 4333 Comp Org & Design | 3 | | |
| Upper level elective | 4 | | |
| CET 4134C Microprocessor Elec II | 3 | | |

GENERAL BUSINESS (B.S.B.A.)

A.S. to B.S. TRACK

(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

College of Business Administration

BA2 101, 407-823-2184

<http://www.bus.ucf.edu>

Faculty Advisor: Undergraduate Student Service, BA2 101, 407-823-2184

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

1. UCF General Education Program (12 hrs)

Students will complete 12 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and may come from the following areas:

- A. Communication Foundations - Required SPC 1600
- B. Cultural and Historical Foundations
- C. Mathematical Foundations
- D. Social Foundations
- E. Science Foundation

2. Common Program Prerequisites (18-21 hrs)

Must be completed with a "C" (2.0) or better.

| | | |
|-----------|-------------------------------------|-------|
| ACG 2021 | Principles of Financial Accounting | 3 hrs |
| ACG 2071 | Principles of Managerial Accounting | 3 hrs |
| ECO 2013 | Macroeconomics | 3 hrs |
| ECO 2023 | Microeconomics | 3 hrs |
| *ECO 3401 | Quantitative Business Tools I | 3 hrs |
| CGS 2100C | Computer Fundamentals for Business | 3 hrs |

*At UCF, students who have completed MAC2233 and STA2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Classes (36 hrs)

First or subsequent semester in the College of Business Administration:

| | | |
|-----------|---|-------|
| GEB 3031 | Cornerstone (Required in 1st or 2nd semester) | 4 hrs |
| GEB 3375 | Introduction to International Business | 4 hrs |
| BUL 3130 | Legal & Ethical Environments of Business | 4 hrs |
| ECO 3411 | Quantitative Business Tools II | 4 hrs |
| FIN 3403 | Business Finance | 4 hrs |
| MAN 3025 | Management of Organizations | 4 hrs |
| ISM 3011C | Essentials of Management Information Systems | 4 hrs |
| MAR 3023 | Marketing | 4 hrs |

Last Semester:

| | | |
|----------|----------------------|-------|
| MAN 4720 | Strategic Management | 4 hrs |
|----------|----------------------|-------|

4. Special college and/or department requirements:

- Must complete all Gordon Rule requirements, prior to admission to this degree.
- Students who change degree programs and select another major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Students wanting to major in General Business must apply for admission to the major
- Final exams will be given during Exam Week.

- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the major and COB. Students majoring in General Business must earn a grade of "C" (2.0) or better in each course applied toward the major.

5. Second Level Core (5 courses):

Students must take one course from each of the following areas: Economics (must take ECP 4703), Finance, Management, Management Information Systems (MIS), and Marketing. These five courses are restricted to the courses listed below:

Finance

| | |
|----------|--------------------------------|
| FIN 3303 | Financial Markets |
| FIN 3414 | Intermediate Corporate Finance |
| FIN 3504 | Investment Analysis |

Management

| | |
|----------|-------------------------------------|
| MAN 3301 | Management of Human Resources |
| MAN 4240 | Organizations: Theory and Behavior |
| MAN 4441 | Conflict Resolution and Negotiation |
| GEB 3113 | How to Start a Business |

Management Information Systems

| | |
|----------|------------------------------------|
| ISM 3253 | MIS Techniques |
| ISM 4153 | Enterprise Information Systems |
| ISM 4154 | Enterprise Application Development |

Marketing

| | |
|----------|-------------------------------|
| MAR 3613 | Marketing Research & Analysis |
| MAR 3403 | Sales Force Management |
| MAR 4841 | Service Marketing |
| MAR 4156 | International Marketing |

Economics*

| | |
|----------|------------------------------|
| ECO 3223 | Money and Banking |
| ECP 3203 | Contemporary Labor Economics |
| ECP 4703 | Managerial Economics |

*ECP 4703 is required. ECP 3203 and ECO 3223 are restrictive electives only. With permission of Economic advisor, any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restrictive elective. This substitution must be petitioned and have written approval.

6. 4000 Level Requirement:

At least two of the second level courses must be at the 4000 level.

7. A.S. Transfer Classes

Twelve credit hours taken under the A.S. to B.S. agreement will be counted toward the degree.

8. Foreign Language Requirements (0-8 hrs)

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

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Military credit permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

10. Electives*** (variable)

Must be outside the College of Business

Total Semester Hours Required 132 hrs

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.

Statewide Articulated A.S. To B.S. Programs

- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF
- 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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student\$22 per term
- Part-time Student\$11 per term

HOSPITALITY MANAGEMENT (B.S.)

A.S. to B.S. TRACK

(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

Rosen College of Hospitality Management

9907 Universal Boulevard

Orlando, Florida 32819

407-903-8000

<http://www.hospitality.ucf.edu>

E-mail: hospitality@mail.ucf.edu

Dean: Abraham Pizam

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

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:

- Communication Foundations
- Cultural and Historical Foundations
- Mathematical Foundations
- Social Foundations
- Science Foundation

2. Common Program Prerequisites (3 hrs)

HFT 1000 Introduction to Hospitality Management 3 hrs

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Hospitality Management Core (27 hrs)

| | | |
|-------------|--|-------|
| CGS 2100C | Computer Fundamentals of Business | |
| or STA 2023 | Statistical Methods I | (GEP) |
| ECO 2013 | Macroeconomics | |
| or ECO 2023 | Microeconomics | (GEP) |
| MAC 1105 | College Algebra | (GEP) |
| HFT 3540 | Guest Services Management | 3 hrs |
| HFT 3431 | Hospitality Managerial Accounting | 3 hrs |
| HFT 4295 | Leadership and Strg Mgmt in Hospitality Industry | 3 hrs |
| HFT 4286 | Hospitality Communications | 3 hrs |
| HFT 4464 | Hospitality Industry Finance | 3 hrs |
| HFT 4941 | Internship II | 1 hr |
| HFT 4944 | Internship III | 1 hr |
| HFT 3933 | Distinguished Lectures in Hosp. Mgt. | 1 hr |

Select 3 of the following 5 courses to complete the core

| | | |
|----------|---|-------|
| HFT 3700 | Tourism Management | 3 hrs |
| HFT 3263 | Restaurant Management | 3 hrs |
| HFT 3273 | Principles of Resort Time Sharing | 3 hrs |
| HFT 4755 | Theme Park and Attraction Mgmt | 3 hrs |
| HFT 4277 | Yacht, Country and City Club Management | 3 hrs |

4. Special School 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.

5. Restricted Electives (15 hrs)

Generalist Track: Students must take 15 credit hours (five courses) of Hospitality Management courses in the Hospitality Management Specialized Tracks or the restrictive electives in other degree programs (see Restaurant and Food Service Management B.S. and/or Event Management B.S.) offered by the Rosen College. Please note: No more than 2 courses (6 credit hours) may be taken from any one track or degree program at the Rosen College of Hospitality Management to satisfy the restricted elective requirement.

OR

Specialized Tracks: Students must complete one of the six Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

SPECIALIZED TRACKS – Select one of the tracks below

A. Vacation Ownership Resort Management Track – 15 hrs (5 Courses)

| | | |
|----------|---|-------|
| HFT 4275 | Development of Vacation Ownership Resorts | 3 hrs |
| HFT 4274 | Vacation Ownership Resort Management | 3 hrs |
| HFT 4522 | Vacation Ownership Resort Sales Tactics and Strategies | 3 hrs |
| HFT 4442 | Vacation Ownership Resort Reservations/ Data Base Systems | 3 hrs |
| HFT 4343 | Hospitality Facilities Planning & Design | 3 hrs |

B. Theme Park and Attraction Mgmt Track – 15 hrs (Choose 5 Courses from the following list)

| | | |
|----------|--|-------|
| HFT 4786 | Managing the Guest Experience in Theme Parks and Attractions | 3 hrs |
| HFT 4759 | Product Development in Theme Parks and Attractions | 3 hrs |
| HFT 4758 | Contemporary Issues in the Theme Park and Attraction Industry | 3 hrs |
| HFT 4532 | Managing the Employee Experience in Theme Parks and Attractions 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 3784 | Amusement Technology | 3 hrs |
| HFT 4614 | Risk Management in Theme Parks | 3 hrs |

C. Tourism Management Track – 15 hrs (Choose 5 Courses from the following list)

| | | |
|----------|---|-------|
| HFT 4735 | Tourism Geography | 3 hrs |
| HFT 4722 | Travel Agency Management | 3 hrs |
| HFT 4762 | Current Practices in the Airline Industry | 3 hrs |
| HFT 4736 | Destination Management | 3 hrs |
| HFT 4561 | Destination Marketing | 3 hrs |
| HFT 3770 | Cruise Line Operations and Management | 3 hrs |

Statewide Articulated A.S. To B.S. Programs

D. Lodging Management Track – 15 hrs

| | | |
|--------------------|--|-------|
| (5 Courses) | | |
| HFT 3323 | Hospitality Physical Plant Management | 3 hrs |
| HFT 4343 | Hospitality Facilities Planning & Design | 3 hrs |
| HFT 4473 | Hotel Development Analysis | 3 hrs |
| HFT 4253 | Hotel Operations | 3 hrs |
| HFT 3515 | Reservations Sales & Marketing | 3 hrs |

E. Hospitality Financial Management and Technology – 15 hrs

| | | |
|--------------------|--|-------|
| (5 Courses) | | |
| HFT 4442 | Vacation Ownership Resort Reservations/ Data Base Systems | 3 hrs |
| HFT 4473 | Hotel Development Analysis | 3 hrs |
| HFT 4457 | Food, Beverage and Labor Cost Controls | 3 hrs |
| HFT 4432 | Hospitality Industry Auditing | 3 hrs |
| HFT 4413 | Technology Applications for Management Decision Making | 3 hrs |

F. Golf and Club Management Track – (Choose 5 Courses from the following list)

| | | |
|----------|--|-------|
| HFT 1350 | Career and Promotional Development in Golf | 3 hrs |
| HFT 3357 | Golf Event Operations | 3 hrs |
| HFT 1356 | Concepts and Practices of Golf Assoc. | 3 hrs |
| HFT 2359 | Design and Maintenance of Golf Equip | 3 hrs |
| HFT 3353 | Golf Planning and Operations I | 3 hrs |
| HFT 3355 | Golf Planning and Operations II | 3 hrs |
| HFT 3354 | Agronomy for Golf Course Mgmt | 3 hrs |
| HFT 4358 | Golf Course Facility Design | 3 hrs |
| HFT 3384 | Golf and Club Enterprises | 3 hrs |

6. Foreign Language Requirements (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.)

7. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 42 semester hours of upper division credit completed
- 30 of the last 36 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
- Completion of the General Education Program, the Gordon Rule, the CLAST, and 9 semester hours of Summer credit (if applicable)

Total Semester Hours Required 124 hrs Community College 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 Rosen College of Hospitality Management.
- ACG X001 and X011 will substitute for HFT 2401 at UCF.
- 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.
- 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.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

INFORMATION SYSTEMS TECHNOLOGY (B.S.)

A.S. to B.S. TRACK

(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

College of Engineering and Computer Science

Engineering Technology (ENT) Department

ENGR 207, 407-823-4748; Fax: 407-823-4746

<http://www.ent.ucf.edu>

Coordinator: Bahman Motlagh, E-mail: bmotlagh@mail.ucf.edu

Admission Requirements

Students will be admitted to the program with an **Associate in Science degree in Computer Engineering Technology Network Specialization**. Students admitted under this articulated agreement will be required to satisfy the General Education requirements either at UCF or the courses may be taken at a community college. When applying for admission students need to make sure they indicate on the application form AS-BS IST.

Degree Requirements

- Students should check with their ENT advisor frequently to ensure that they are making proper progress toward the degree.
- A grade of "C" (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (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.

| | |
|---|-------|
| A. Communication Foundations | 9 hrs |
| (nine hours completed in AS degree program) | |
| B. Cultural and Historical Foundations | 9 hrs |
| (3 hrs taken in AS degree program) | |
| C. Mathematical Foundations | 6 hrs |
| MAC 1105 College Algebra | |
| STA 2023 Statistical Methods I | |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 6 hrs |

2. Lower Level Required Courses (33 hrs)

| | |
|--|--------|
| MAD 2104 Foundations of Discrete Math. | 3 hrs |
| Lower level technical courses taken at Community College | 30 hrs |

3. Information Systems Technology Core Courses (C 2.0) or better grade required in all courses) (26 hrs)

| | |
|---|-------|
| CET 3529 Linux/Unix System Admin and Applications | 3 hrs |
| CET 3010 Intro to Info Technology | 3 hrs |
| STA 2023 Statistical Methods I | GEP |
| MAC 1105 College Algebra | GEP |
| MAC 1114 College Trigonometry | 3 hrs |
| ETI 4448 Applied Proj Mgmt | 3 hrs |
| ENC 3241 Writing for the Technical Professional | 3 hrs |
| EET 3085C Electricity & Electronics <i>or</i> | 4 hrs |
| EET 3086 Principles of Electrical Circuits | |
| CET 3323C Digital Technology | 4 hrs |
| CET 2364 Systems Applications in C | 3 hrs |

4. Required Technical Courses (C 2.0) or better grade required in all courses) (21 hrs)

| | |
|---|-------|
| CET 4427 Applied Database I | 3 hrs |
| CET 3383 Applied Systems Analysis I | 3 hrs |
| CET 4505 Applied Operating Systems I | 3 hrs |
| CET 3752 Intro to Telephony | 3 hrs |
| CET 4483 Intro to Local Area Network | 3 hrs |
| CET 4333 Computer Organization & Design | 3 hrs |
| CET 4748 Wide Area Networks I | 3 hrs |

5. Technical Electives (12 hrs)

(C 2.0) or better grade required in all courses)

| | | |
|---|--|-------|
| Choose four from the following: | | |
| CET 3198C Digital Systems | | 3 hrs |
| CET 4138C Digital Programmable Devices | | 3 hrs |
| CET 4931 Current Topics in Technology | | 3 hrs |
| CET 4749 Wide Area Network II | | 3 hrs |
| MAP 3401 Problem Analysis | | 3 hrs |
| CET 4523 Applied Systems Analysis II | | 3 hrs |
| CET 4429 Applied Database II | | 3 hrs |
| CET 4583 Web Base Systems I | | 3 hrs |
| CET 4584 Web Base Systems II | | 3 hrs |
| CET 4663 Computer & Networks Security | | 3 hrs |
| STA 5937 Data Mining I | | 3 hrs |
| CET 4668 Practice of Information Security | | 3 hrs |

Statewide Articulated A.S. To B.S. Programs

| | | |
|-----------|--|-------|
| CET 4882 | Network Defense Strategies | 3 hrs |
| CET 4884 | Security Methods and Practice | 3 hrs |
| CET 4885 | Investigative Digital Technology | 3 hrs |
| CET 4889 | Security Sensor Tech. and Biometrics | 3 hrs |
| ETG 4950C | Senior Design Project | 3 hrs |
| ISM 3011C | Essentials of Management Information Systems | 3 hrs |
| ISM 4153 | Enterprise Information Systems | 3 hrs |
| ISM 4431 | Business Process Analysis | 3 hrs |
| ISM 4154 | Enterprise Application Development | 3 hrs |
| ISM 5219 | Business Intelligence Systems | 3 hrs |

| | |
|-------------------------------|---------------|
| Summer | 9 hrs |
| CET 4333 Comp Org & Design | 3 |
| ENC 3241 Tech Rept Writing | 3 |
| ETI 4448 Applied Proj Mgmt | 3 |
| Senior Year | |
| Fall | 12 hrs |
| CET 4505 Appl Oper Sys I | 3 |
| CET 4427 Appl Database I | 3 |
| CET 3752 Intro to Telephony | 3 |
| CET 4748 Wide Area Networks I | 3 |

| | |
|---------------------------------|---------------|
| Spring | 12 hrs |
| Tech Elective | 3 |
| CET 3383 Applied Sys Analysis I | 3 |
| Tech Elective | 3 |
| Tech Elective | 3 |

6. Departmental Exit Requirements none

7. Foreign Language Requirements (0-8 hrs)

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. Approved Technical Electives

Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

9. University Minimum Graduation Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 128 hrs

Related Programs: none

Related Minors: Interdisciplinary Informatics Technology, Security Computing and Networks

Transfer Notes:

- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in this catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.

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

Tentative Course Schedule for Transferring Students

The tentative course schedule listed below is a guide for those students who plan on completing their upper division engineering technology degree requirements in two years. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

| | | | |
|-------------------------------|---------------|-------------------------------|---------------|
| Junior Year | | | |
| Fall | 13 hrs | Spring | 13 hrs |
| EET 3085C Elect & Electronics | 4 | CET 4483 Local Area Network | 3 |
| MAC 1114 College Trigonometry | 3 | CET 3529 Linux/Unix Sys Admin | 3 |
| CET 3010 Intro to Info Tech | 3 | Tech Elective | 3 |
| CET 2364 Systems Apps in C | 3 | CET 3323C Digital Tech | 4 |

NURSING (B.S.N.)

E. AS TO BSN TRACK

(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

College of Nursing
HPA 220, 407-823-2744

<http://www.nursing.ucf.edu>

E-mail: ucfnurse@mail.ucf.edu

RN-BSN Coordinator: Barbara Lange

This program is available online. Students must complete all University-wide graduation requirements (general education, foreign language, CLAST, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see <http://distributed.ucf.edu/home>.

Admission Requirements

Limited Access

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 GPA of 2.5
- Completion of a Statewide Articulated AS in Nursing from a Florida public community college which is composed of 72 hours of course work, including at least 18 hours of transferable General Education courses (graduation 12/00 or later). Individuals who received AS prior to 12/00 or attended school other than a Florida public Community College should follow section "B" – RN to BSN Program.
- Current RN License or license eligible

Degree Requirements

- Completion of all common program prerequisite courses with at least a grade of "C" (2.0) or better
- Students should consult with a College of Nursing advisor for questions regarding prerequisite requirements
- The courses designated in sections 1 and 2 below may be taken at a Florida community college or other universities and should usually be completed in the first 60 hours
- 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: 32 hours

1. UCF General Education Program (36+2 hrs)

Students will complete 18 hours of selected General Education courses as part of the articulated AS. The specific courses will be determined in coordination with 18 hours of General Education courses completed.

Student must complete remaining General Education courses, prerequisites, and foreign language admission requirements prior to NUR 3634 Community Health Nursing. Students completing the General Education requirements at a Florida community college must complete those courses prior to their last 30 hours at UCF.

General Education Program for articulated AS-BS (36-38 hrs)

| | |
|------------------------------------|-------|
| A. Communication Foundations | 9 hrs |
| 1. ENC 1101 & ENC 1102 | |
| 2. Prefer SPC 1600 | |
| B. Cultural Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| 1. Select MAC 1105 | |
| 2. Select STA 2014C | |

Statewide Articulated A.S. To B.S. Programs

| | |
|--|---------|
| D. Social Foundations | 6 hrs |
| 1. SYG 2000 | |
| 2. PSY 2012 | |
| E. Science Foundations* | 6-8 hrs |
| BSC 2010C – General Biology | |
| CHM 1032 & CHM1032L – General Chemistry & Lab | |
| or Anatomy & Physiology I & II | |
| or ZOO 3733C & PCB 3703C, Human Anatomy & Physiology | |

*Science Foundation is 6 credit hours for General Education Program. However the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab. BSC 2010C is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

| | | |
|--|--------------------------------|-------|
| 2. Common Program Prerequisites | (18 hrs) | |
| PSY 2012 | General Psychology** | GEP |
| SYG 2000 | Sociology** | GEP |
| MCB 2004C | Health Microbiology | 4 hrs |
| CHM 1032 | General Chemistry | GEP |
| CHM 1032L | General Chemistry Lab | GEP |
| ZOO 3733C | Human Anatomy* | 4 hrs |
| PCB 3703C | Human Physiology* | 4 hrs |
| STA 2014C | Principles of Statistics** | GEP |
| or 2023 | Statistical Methods I | |
| SOW 3104 | Assessing Human Development or | 3 hrs |
| or DEP 2004 | Developmental Psychology | |
| HUN 3011 | Human Nutrition | 3 hrs |

*May take Anatomy and Physiology sequence of six-eight total credits;

**Also meets General Education Requirements;

See a UCF Nursing advisor for possible course substitutions.

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements (50 hrs)

Graduation from an Articulated Associate Degree Nursing program

| | | |
|-----------|--|--------|
| NUR 3805 | Dimensions of Professional Nursing Practice | 3 hrs |
| NUR 3065 | Health Assessment | 2 hrs |
| NUR 3065L | Health Assessment Lab | 1 hr |
| NUR 3165 | Nursing Research | 3 hrs |
| NUR 3634 | Community Health Nursing | 3 hrs |
| NUR 4XXX | Leadership, Management and Role Development | 3 hrs |
| NUR 4837 | Health Care Issues, Policy, & Econ | 3 hrs |
| NUR 4XXX | Public Health Nursing | 2 hrs |
| NUR 4604L | Practicum in Community and Public Health Nursing for RNs | 4 hrs. |

Upper Division Credit* 27 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 3225 | Nursing Care of the Adult I | 3 hrs |
| NUR 3225L | Nursing Care of the Adult I Clinical | 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 | 3 hrs |
| NUR XXXX | Psychiatric Mental Health Nursing | 3 hrs |
| NUR XXXX L | Psychiatric Mental Health Nursing Clinical | 2 hrs |

*May be met by validation

4. Upper Division Restricted Elective (6 hrs)

NUR 3/4XXX Any two upper division Nursing Electives 6 hrs

5. 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
- School of Nursing GPA of 2.5 or above

6. Electives variable to meet degree requirements

7. Foreign Language Requirements (0-8 hrs)

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. University Minimum Exit Requirements

- A 2.0 UCF GPA and a 2.5 Nursing Major GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and the CLAST (or exemption)

Total Semester Hours Required 128 hrs
Related Programs: Health Services Administration, Social Work, all health programs

Related Minors: Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

Progression requirements:

Prior to NUR 3805: RN status or eligible to take NCLEX.

Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of "C" (2.0) or better.

Prior to NUR 3634 Community Health Nursing:

- Be admitted to the nursing program
- Complete general education requirements and prerequisites or A.A. from a Florida public community college or university (SUS)
- Complete CLAST (or exempt)
- Complete Foreign language admission requirement

Other

Selected courses may be offered at regional campuses of Daytona, Cocoa and Leesburg

The RN-BSN coursework is also offered via the Internet. Some on-campus labs and clinical practica may be required. For further information access <http://www.cohpa.ucf.edu/nursing/>

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student \$50 per term
- Part-time Student \$25 per term

RADIOLOGIC SCIENCES (B.S.)

A.S. to B.S. TRACK

(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

College of Health and Public Affairs

Department of Health Professions

HPA2 210, 407-823-2747

<http://www.cohpa.ucf.edu/health/pro/radtransfer.cfm>

Undergraduate Program Director: Susan Gosnell,

E-mail: sgosnell@mail.ucf.edu

Admission Requirements Limited Access

Acceptance to the university does not necessarily constitute admission to the upper division Radiologic Sciences Program. Separate application to the limited access program must be made directly to the program.

- Criminal history information (background check) must be submitted. For Florida residents the criminal history must be certified by the Florida Department of Law Enforcement (FDLE).
- A personal interview is also required.
- Student must complete a Statewide Articulated A.S. in Radiography program from a Florida public community college that is composed of a minimum of 62 hours of course work, including at least 15 hours of transferable General Education courses. Students certified in radiography and in good standing with the American Registry of Radiologic Technologists (ARRT) who have not completed a Statewide Articulated A.S. in Radiography program from a Florida Public Community College may apply for admission but are not eligible to transfer to UCF under the provisions of the statewide articulation agreement.
- 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).
- Students must be certified in radiography and be in good standing with the American Registry of Radiologic Technologists (ARRT).

Statewide Articulated A.S. To B.S. Programs

Degree Requirements

- Students who change to this segue program must adopt the most current catalog
- Students should consult with a departmental advisor
- Many of the courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Radiologic Sciences Program
- UCF residency requirement for Radiography: 33 hours

1. UCF General Education Program (21+1 hrs)

- | | |
|--|-------|
| A. Communication Foundations | 6 hrs |
| Select ENC 1102 and SPC 1600 or SPC 1016 | |
| B. Cultural Historical Foundations | 6 hrs |
| C. Mathematical Foundations | 0 hrs |
| MAC 1105 (Completed at CC) | |
| CGS 1060C (Completed at CC) | |
| D. Social Foundations | 3 hrs |
| Select ECO 2013 or ECO 2023 or POS 2041 | |
| E. Science Foundations | 7 hrs |
| Select PHY 2053C | |
| Select BSC 1005 or 1050 | |

2. Common Program Prerequisites (4 hrs)

| | | |
|-----------|----------------------------------|---------|
| CGS 1060C | Introduction to Computer Science | CC |
| PCB 3703C | Human Physiology* | CC |
| PHY 2053C | College Physics I | UCF GEP |
| PHY 2054C | College Physics II | 4 hrs |
| ZOO 3733C | Human Anatomy* | CC |
| MAC 1105 | College Algebra | CC |

CC courses completed as part of the approved A.S. program GEP and core courses with the exception of PHY 2053C and 2054C.

*See Transfer Notes

See "Common Prerequisites" in the Transfer and Transitions Services section (pg. 46) for more information.

3. Core Requirements (33 hrs)

A.S. transfer students will not be required to complete all of the core courses listed below. Specific core course requirements will be based on allowable course transfers and career goals.

Junior Level

| | | |
|-----------|--|-------|
| RTE 3000 | Introduction to Radiologic Sciences | 3 hrs |
| RTE 3111C | Introduction to Patient Care | 2 hrs |
| RTE 3503C | Radiographic Procedures I | 3 hrs |
| RTE 3116 | Advanced Patient Care | 3 hrs |
| RTE 3418C | Principles of Radiographic Exposure I | 3 hrs |
| RTE 3804L | ST: Clinical Education I | 2 hrs |
| RTE 3513C | Radiographic Procedures II | 3 hrs |
| RTE 3457C | Principles of Radiographic Exposure II | 3 hrs |
| RTE 3614 | Physics of Image Production | 2 hrs |
| RTE 3308 | Medical Physics | 3 hrs |
| STA 2023 | Statistical Methods I | 3 hrs |
| HSC 4555 | Pathophysiologic Mechanisms | 3 hrs |
| RTE 3814L | ST: Clinical Education II | 4 hrs |

Senior Level

| | | |
|-----------|-----------------------------------|-------|
| RTE 4563 | Special Radiographic Procedures | 2 hrs |
| RTE 4782 | Pathophysiology | 2 hrs |
| RTE 4824L | Clinical Education III | 5 hrs |
| RTE 4573 | Advanced Imaging Modalities | 3 hrs |
| RTE 4574 | Computed Tomography Protocols or | 1 hr |
| RTE 4579 | Mag Resonance Imaging Protocols | 1 hr |
| RTE 4834L | Clinical Education IV | 6 hrs |
| RTE 4385 | Radiobiology | 1 hr |
| RTE 4846L | Clinical Education V - A | 2 hrs |
| RTE 4844L | Clinical Education V - B | 4 hrs |
| RTE 4473 | Quality Improvement | 3 hrs |
| RTE 4762 | Anatomy for the Medical Imager | 3 hrs |
| RTE 4206 | Leadership in Radiologic Sciences | 3 hrs |
| RTE 4854L | Advanced Clinical Practicum | 4 hrs |

Core course requirements will include PHY 2054C. Additional core course requirements will be determined during advisement.

4. Program Exit Requirements (124 hrs)

A minimum overall GPA of 2.50 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Radiologic Sciences Program.

5. Electives none

6. Foreign Language Requirements (0-8 hrs)

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

7. University Minimum Exit Requirements

- An overall GPA of 2.5
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 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 CLAST and nine hours of Summer credit (if applicable)

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

COMMON COURSE NUMBERING SYSTEM

Classification of Courses

The University course numbering system is as follows:

- 0-0999.** Subcollegiate level and not counted in meeting degree requirements.
- 1000-2999.** Freshman and sophomore level courses and are designed primarily for these students.
- 3000-4999. Junior- and senior-level courses** (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and senior.
- 5000-5999. Beginning graduate and advanced undergraduate level courses.** These courses provide more advanced material than that found in undergraduate courses. They are designed primarily for beginning graduate students, but may be suitable for some advanced undergraduate seniors. They are open for registration to all graduate students and those seniors who receive approval of the appropriate Dean(s).
- 6000-6999. Advanced graduate level courses.** These courses are designed to build upon the beginning graduate level courses and to deliver more advanced content and experiences. They are open only to graduate students. (Seniors, within nine hours of graduation that have a minimum 3.0 GPA and do not register for more than twelve hours may request college permission to take a 6000-level class.) Students in 3+2 programs (combined bachelor's and master's programs) should check with their adviser before registering for 6000-level courses.
- 7000-7999. Doctoral-level courses.** These courses provide material at the most advanced graduate level. They are restricted to admitted doctoral students only.

Florida's Statewide Course Numbering System

Courses in this catalog are identified by prefixes and numbers that were assigned by Florida's Statewide Course Numbering System. This numbering system is used by all public postsecondary institutions in Florida and 33 participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions.

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 "course equivalency profiles."

General Rule for Course Equivalencies

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed below.)

For example, a survey course in social problems is offered by 35 different postsecondary institutions. Each institution uses "SYG_010" to identify its social problems 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, "SYG" means "Sociology, General," the century digit "0" represents "Entry-level General Sociology," the decade digit "1" represents "Survey Course," and the unit digit "0" represents "Social Problems."

In science and 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 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, SYG 1010 is offered at a community college. The same course is offered at a state university as SYG 2010. A student who has successfully complete SYG 1010 at the community college is guaranteed to receive transfer credit for SYG 2010 at the state university if the student transfers. The student cannot be required to take SYG 2010 again since SYG 1010 is equivalent to SYG 2010. 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.

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.

Exceptions to the General Rule for Equivalency

The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution

- Courses not offered by the receiving institution
- Courses with the last three digits ranging from 900-999 (e.g., ART 2905)
- College preparatory and vocational preparatory courses
- internship, practica, clinical experiences, and study abroad courses with numbers other than those ranging from 900-999
- Applied performance or studio courses in Art, Dance, Interior Design, Music and Theatre
- Skills courses in Criminal Justice
- Graduate courses
- For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course

Questions about the Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to Dr. Elliot Vittes, Associate Dean, Undergraduate Studies, Millican Hall 210, University of Central Florida, 4000 Central Florida Parkway, Orlando, FL 32816, 407-823-2691. Special reports and technical information may be requested by calling the Statewide Course Numbering System office at (850) 245-0427, SunCom 205-0427 or via the internet at <http://scns.fldoe.org>.

Common Course Numbering System

Example of Course Identifier

| Prefix | Level Code (first digit) | Century Digit (second digit) | Decade Digit (third digit) | Unit Digit (fourth digit) | Lab Code |
|-----------------------|---------------------------------------|-------------------------------------|-------------------------------|------------------------------|--|
| SYG | 1 | 0 | 1 | 0 | |
| Sociology, General | Freshman Level at this institution | Entry-level General Sociology | Survey Course | Social Problems | No Laboratory component in this course |

| | | |
|---|---|---|
| ABE Agricultural and Biological Engineering | BUL Business Law | DES Dental Support |
| ABT Arabic Culture in Translation or Translation Skills | CAP Computer Applications | DIE Dietetics |
| ABW Arabic Literature (Writings) | CAS Clinical Audiology and Speech Language Pathology (Disc 8/06) | DIG Digital Media |
| ACG Accounting: General | CAT Catalan Language | DIM Diesel Mechanics |
| ACO Accounting: Occupational/Technical Variable Paced | CBH Comparative Psychology and Animal Behavior | DSC Domestic Security |
| ACR HVACR: Heating/Ventilation/AC/Refrigeration: Tech/Trades | CCE Civil Construction Engineering | DTE Dental Laboratory Technology |
| ADE Adult Education | CCJ Criminology and Criminal Justice | DUT Dutch Language |
| ADV Advertising | CDA Computer Design/Architecture | EAB Experimental Analysis Of Behavior |
| AEB Agricultural Economics and Business | CEG Civil Geotechnical Engineering | EAP English As A Second Language for Academic Purposes |
| AEE Agriculture and Extension Education | CEN Computer Software Engineering | EAS Aerospace Engineering |
| AER Automotive Mechanics | CES Civil Engineering Structures | ECH Engineering: Chemical |
| AFA African-American Studies | CET Computer Engineering Technology | ECM Engineering: Computer Math |
| AFH African History | CGN Civil Engineering | ECO Economics |
| AFR Aerospace Studies | CGS Computer General Studies | ECP Economic Problems & Policy |
| AFS African Studies | CHD Home Economics: Child Development | ECS Economic Systems & Development |
| AGE Agricultural Engineering (Discontinued Effective 2005) | CHI Chinese | EDA Educational Administration |
| AGG Agriculture - General | CHM Chemistry | EDE Education: Elementary |
| AGR Agronomy | CHR Chiropractic | EDF Education: Foundations and Policy Studies |
| AHM Amharic Language | CHS Chemistry - Specialized | EDG Education: General |
| AHT Amharic Culture in Translation or Translation Skills | CHT Chinese Culture in Translation or Translation Skills | EDH Education: Higher |
| AHW Amharic Literature (Writings) | CHW Chinese Literature (Writings) | EDM Education: Middle School |
| AKA Akan Language | CIS Computer Science and Information Systems | EDP Educational Psychology |
| AKT Akan Culture in Translation or Translation Skills | CJB College Level Application in Criminal Justice | EDS Education Supervision |
| AKW Akan Literature (Writings) | CJC Corrections | EEC Education: Early Childhood |
| ALS Agriculture and Life Sciences | CJD Criminal Justice Development | EED Education: Emotional Disorders |
| AMH American History | CJE Law Enforcement | EEE Engineering: Electrical and Electronic |
| AML American Literature | CJJ Juvenile Justice | EEL Engineering: Electrical |
| AMS American Studies | CJK Criminal Justice Basic Training (A.A.S or Vocational) | EER Electrical/Electronics Repair |
| AMT Aviation Maintenance Technology | CJL Law & Process | EES Environmental Engineering Science |
| ANG Anthropology--Graduate | CJT Criminal Justice Technologies | EET Electronic Engineering Technology |
| ANS Animal Science | CLA Classical and Ancient Studies | EEV Electrical/Electronic: Vocational |
| ANT Anthropology | CLP Clinical Psychology | EEX Education: Exceptional Child - Core Competencies |
| AOM Agricultural Operations Management | CLT Classical Culture in Translation or Translation Skills | EGC Counselor Education |
| APA Applied Accounting | CMC Corporate Media Communication | EGI Education: Gifted |
| APK Applied Kinesiology | CMM Creek/Muskogee/Mikasuki | EGM Engineering Science |
| ARA Arabic Language | CNT Computer Networks | EGN Engineering: General |
| ARC Architecture | COA Home Economics: Consumer Affairs | EGS Engineering: Support |
| ARD Architectural Design | COE Cooperative Education | EHD Education: Hard Of Hearing & Deaf |
| ARE Art Education | COM Communication | EIA Education: Industrial Arts |
| ARH Art History | COP Computer Programming | EIN Industrial Engineering |
| ARR Autobody Repair and Refinishing | COS Cosmetology | EIV Education: Industrial/Vocational |
| ART Art | COT Computing Theory | ELD Education: Specific Learning Disabilities |
| ARV Art, Vocational | CPO Comparative Politics | ELR Prefix Discontinued. All Courses Reassigned |
| ASC Aviation Science: General | CPS Comparative Policy Studies (Multinational) | EMA Materials Engineering |
| ASG Animal Science: General | CPT Cardiopulmonary Technology | EMC Engineering: Mechanical & Chemical |
| ASH Asian History | CRW Creative Writing | EME Education: Technology and Media |
| ASN Asian Studies | CSP Cosmetology - Specialized | EML Engineering: Mechanical |
| AST Astronomy | CST Comparative Studies | EMR Education: Mental Retardation |
| ATE Animal Science Technology | CTE Home Economics: Clothing and Textiles | EMS Emergency Medical Services |
| ATF Aviation Technology: Flight | CTS Computer Technology and Skills | ENC English Composition |
| ATT Aviation Technology: Theory | CVT Cardiovascular Technology | ENG English - General |
| AVM Aviation Management | CWR Civil Water Resources | ENL English Literature |
| AVS Avionics | CYP Community Psychology | ENS English For Non-Native Speakers (College Lvl) Disc. Eff. 2005 |
| AYM Aymara Language | CZE Czech Language | ENU Engineering: Nuclear |
| BAN Commercial Banking (AIB Courses Only) | CZT Czech Culture in Translation or Translation Skills | ENV Engineering: Environmental |
| BCA Building Construction Apprenticeships | CZW Czech Literature (Writings) | ENY Entomology |
| BCC Basic Clinical Clerkships (Required) | DAA Dance, Emphasis On Activity | EOC Ocean Engineering |
| BCH Biochemistry (Biophysics) | DAE Dance Education | EPH Education: Physical & Multiple Handicapped |
| BCN Building Construction | DAN Dance | EPI Educator Preparation Institutes |
| BCT Building Construction Trades | DAS Dairy Science (Discontinued Effective 2005) | ESC Earth Science |
| BCV Building Construction: Vocational | DCP Design, Construction and Planning | ESE Education: Secondary |
| BME Biomedical Engineering | DEA Dental Assisting | ESI Industrial/Systems Engineering |
| BMS Basic Medical Sciences | DEC Marketing and Distributive Education | ESL College-Prep English For Non-Native Speakers (Disc. Eff. 2005) |
| BOT Botany | DEH Dental Hygiene | EST Electronic Speciality Technology |
| BRC Banking Related Courses (Not AIB or IFE) | DEM Demography | ETC Engineering Technology: Civil |
| BSC Biological Sciences | DEN Dentistry | ETD Engineering Technology: Drafting |
| BTE Business Teacher Education | DEP Developmental Psychology | |

Common Course Numbering System

| | | | | | |
|-----|---|-----|--|-----|---|
| ETG | Engineering Technology: General | HNW | Hungarian Literature (Writings) | MKA | Marketing Applications |
| ETI | Engineering Technology: Industrial | HOE | Home Economics: General | MLS | Medical Laboratory Science |
| ETM | Engineering Technology: Mechanical | HOS | Horticultural Sciences | MLT | Medical Laboratory Technology |
| ETN | Electroencephalography | HRD | Human Resources Development (Discontinued Effective 2005) | MMC | Mass Media Communication |
| EUH | European History | HSA | Health Services Administration | MNA | Management: Applied |
| EUS | European Studies | HSC | Health Sciences | MOB | Molecular Biophysics |
| EVI | Education: Visually Impaired-Blind | HUM | Humanities | MOM | Motorcycle Mechanics |
| EVR | Environmental Studies | HUN | Human Nutrition | MRE | Medical Records (Discontinued Effective 2003) |
| EVS | Environmental Science | HUS | Human Services | MSL | Military Science and Leadership |
| EVT | Education: Vocational/Technical | ICM | International Construction Management | MSS | Massage |
| EXP | Experimental Psychology | ICW | Icelandic Literature | MTB | Mathematics - Technical and Business |
| FAD | Home Economics: Family Development | IDH | Interdisciplinary Honors | MTE | Marine Technology and Nautical Science |
| FAM | Fashion Modeling | IDN | Indonesian Language | MTG | Mathematics - Topology and Geometry |
| FAS | Fishery & Aquacultural Science | IDS | Interdisciplinary Studies | MTS | Medical Transcription Science |
| FES | Fire and Emergency Services | IDT | Indonesian Culture in Translation or Translation Skills | MUC | Music: Composition |
| FFP | Fire Fighting & Protection | IDW | Indonesian Literature (Writings) | MUE | Music Education |
| FIL | Film | IEA | Industrial Education Applied | MUG | Music: Conducting |
| FIN | Finance | IHS | Interdisciplinary Health Sciences | MUH | Music: History/Musicology |
| FLE | Foreign Language Education | IND | Interior Design | MUL | Music Literature |
| FNR | Forestry & Natural Resources | INP | Industrial and Applied Psychology | MUM | Music: Commercial/Management/Administration |
| FOL | Foreign Languages | INR | International Relations | MUN | Music Ensembles |
| FOR | Forestry | INS | International Studies | MUO | Music: Opera/Musical Theatre |
| FOS | Food Science | IPM | Integrated Pest Management | MUR | Music: Church |
| FOT | Foreign Languages (In Translation) | ISC | Interdisciplinary Sciences | MUS | Music |
| FOW | Foreign Languages, Comparative Literature (Writings) | ISM | Information Systems Management | MUT | Music: Theory |
| FRC | Fruit Crops | ISS | Interdisciplinary Social Sciences | MUY | Music: Therapy |
| FRE | French Language | ITA | Italian Language | MVB | Applied Music: Brasses |
| FRT | French Culture in Translation or Translation Skills | ITT | Italian Culture in Translation or Translation Skills | MVH | Historical Instruments |
| FRW | French Literature (Writings) | ITW | Italian Literature (Writings) | MVJ | Applied Music: Jazz |
| FSE | Funeral Services | JOU | Journalism | MVK | Applied Music: Keyboard |
| FSS | Food Service Systems | JPN | Japanese | MVO | Applied Music: Other |
| FYC | Family, Youth and Community | JPT | Japanese Culture in Translation or Translation Skills | MVP | Applied Music: Percussion |
| GCO | Golf Course Operations | JPW | Japanese Literature (Writings) | MVS | Applied Music: Strings |
| GEA | Geography: Regional Areas | JST | Jewish/Judaic Studies | MVV | Applied Music: Voice |
| GEB | General Business | KOR | Korean Language | MVW | Applied Music: Woodwinds |
| GEO | Geography: Systematic | KOT | Korean Culture in Translation or Translation Skills | NEM | Nematology |
| GER | German | KOW | Korean Literature (Writings) | NGR | Nursing, Graduate |
| GET | German Culture in Translation or Translation Skills | LAA | Landscape Architecture | NMT | Nuclear Medicine Technology |
| GEW | German Literature (Writings) | LAE | Language Arts and English Education | NSC | Naval Science |
| GEY | Gerontology | LAH | Latin American History | NUR | Nursing, Generic Undergraduate |
| GFD | Geophysical Fluid Dynamics | LAS | Latin American Studies | OCA | Office Computer Applications |
| GIS | Geography: Information Science | LAT | Latin (Language Study) | OCB | Biological Oceanography |
| GLS | Graduate Liberal Studies | LAW | Law | OCC | Chemical Oceanography |
| GLY | Geology | LBS | Labor Studies | OCE | General Oceanography |
| GMS | Graduate Medical Sciences | LDE | Landscape Design | OCG | Geological Oceanography |
| GMT | Modern Greek Culture in Translation or Translation Skills | LEI | Leisure | OCP | Physical Oceanography |
| GMW | Modern Greek Literature (Writings) | LGL | Lingala Language | OFT | Occupational Office Technology (Discontinued Effective 2005) |
| GRA | Graphic Arts | LGT | Lingalan Culture in Translation or Translation Skills | OPT | Ophthalmic Technology/Vision Care |
| GRE | Classical Greek (Language Study) | LGW | Lingalan Literature (Writings) | ORH | Ornamental Horticulture |
| GRG | Graphic Arts - Graduate-Level | LIN | Linguistics | ORI | Oral Interpretation |
| GRK | Modern Greek Language | LIS | Library and Information Studies | ORV | Ornamental Horticulture (Variable Paced) |
| GRW | Classical Greek Literature (Writings) | LIT | Literature | OSE | Optical Science and Engineering |
| HAI | Haitian Creole Language | LNW | Latin Literature (Writings) | OST | Office Systems Technology |
| HAT | Haitian Culture in Translation or Translation Skills | MAA | Mathematics - Analysis | OTA | Office Technology Applications |
| HBR | Modern Hebrew Language | MAC | Mathematics - Calculus and Precalculus | OTH | Occupational Therapy |
| HBT | Modern Hebrew Culture in Translation or Translation Skills | MAD | Mathematics - Discrete | PAD | Public Administration |
| HCP | Health-Care Providers (Assistants) | MAE | Mathematics Education | PAF | Public Affairs |
| HEB | Ancient Hebrew (Discontinued Effective 2005) | MAG | Mechanized Agriculture (Discontinued Effective 2005) | PAS | Physician Assistant |
| HEC | Home Economics/Community | MAN | Management | PAX | Peace Studies |
| HEE | Home Economics Education | MAP | Mathematics Applied | PAZ | Parks and Zoos |
| HEV | Home Economics - Vocational | MAR | Marketing | PCB | Process Biology (Cell/Molecular/Ecology/Genetics/Physiology) |
| HFT | Hospitality Management | MAS | Mathematics - Algebraic Structures | PCO | Psychology For Counseling |
| HHH | Housing & Home Design | MAT | Mathematics | PEL | Phys. Edu. Acts - (Gen.)-Object Centrd, Land |
| HIM | Health Information Management | MCB | Microbiology | PEM | Phys. Edu. Acts. (Gen.)-Perfomr. Centrd., Land (Revised) |
| HIN | Hindi Language | MCC | Special Topics in Mass Communication | PEN | Physical Edu. Activities (Gen.)-Water, Snow, Ice |
| HIS | General History and Historiography | MDW | Midwifery | PEO | Phys. Edu. Acts. (Profl.)-Object Centrd., Land |
| HIT | Hindi Culture in Translation or Translation Skills | MEA | Medical Assisting Technology | PEP | Phys. Edu. Acts. (Profl.)-Perfmr. Centrd., Land |
| HIW | Hindi Literature (Writings) | MEL | Medical Science Electives | PEQ | Phys. Edu. Acts. (Profl.)-Water, Snow, Ice |
| HLP | Health/Leisure/Physical Education | MEM | Medieval and Early Modern Studies | PET | Physical Education Theory |
| HME | Home Economics: Home Management and Equipment | MET | Meteorology | PGY | Photography |
| HMV | Hospitality Management, Vocational | MGF | Mathematics - General and Finite | PHA | Pharmacy |
| HMW | Modern Hebrew Literature (Writings) | MHF | Mathematics - History and Foundations | PHC | Public Health Concentration |
| HNG | Hungarian Language | MHS | Mental Health Services | PHH | Philosophy, History Of |
| HNT | Hungarian Culture in Translation or Translation Skills | MIS | Military Science | PHI | Philosophy |
| | | | | PHM | Philosophy Of Man and Society |
| | | | | PHP | Philosophers and Schools |
| | | | | PHT | Physical Therapy |

Common Course Numbering System

| | | | |
|-----|---|------|---|
| PHY | Physics | SPT | Spanish Culture in Translation or Translation Skills |
| PHZ | Physics (Continued) | SPW | Spanish Literature (Writings) |
| PKG | Packaging Sciences | SRK | Sanskrit Language |
| PLA | Paralegal/Legal Assistant/Legal Administration | SRT | Sanskrit Culture in Translation or Translation Skills |
| PLP | Plant Pathology | SRW | Sanskrit Literature (Writings) |
| PLS | Plant Science | SSA | Sub-Sahara African Languages |
| PLT | Polish Culture in Translation or Translation Skills | SSE | Social Studies Education |
| PLW | Polish Literature | SST | Sub-Sahara African Culture in Translation or Translation Skills |
| PMA | Pest Management | STA | Statistics |
| PMT | Precision Metals Technology | STS | Surgical Technology Studies |
| POL | Polish Language | SUR | Surveying & Related Areas |
| POR | Portuguese Language | SVL | Savings and Loan (IFE Courses Only) |
| POS | Political Science | SWA | Swahili Language |
| POT | Political Theory | SWT | Swahili Culture in Translation or Translation Skills |
| POW | Portuguese Literature (Writings) | SWWW | Swahili Literature (Writings) |
| PPE | Personality | SYA | Sociological Analysis |
| PRN | Practical Nursing | SYD | Sociology Of Demography/Area Studies/Sociological Minorities |
| PRO | Prosthetics/Orthotics | SYG | Sociology, General |
| PRT | Portuguese Culture in Translation or Translation Skills | SYO | Social Organization |
| PSB | Psychobiology | SYP | Social Processes |
| PSC | Physical Sciences | TAR | Technical Architecture |
| PSE | Poultry Science (Discontinued Effective 2005) | TAX | Taxation |
| PSG | Polysomnography | TCN | Telecommunications |
| PSY | Psychology | TDR | Technical Drafting |
| PTA | Precision Technology Apprenticeships | THE | Theatre Studies and General Resources |
| PTN | Pharmacy Technician | TPA | Theatre Production and Administration |
| PUP | Public Policy | TPP | Theatre Performance and Performance Training |
| PUR | Public Relations | TRA | Transportation and Logistics |
| OMB | Quantitative Methods in Business | TRA | Transportation and Logistics |
| RAT | Radiation Therapy | TSL | Teaching English As A Second Language |
| RCS | Rehabilitation Counseling Services | TTE | Transportation Engineering |
| REA | Reading | TUR | Turkish Language |
| RED | Reading Education | TUT | Turkish Culture in Translation or Translation Skills |
| REE | Real Estate | TUW | Turkish Literature (Writings) |
| REL | Religion | URP | Urban and Regional Planning |
| RET | Respiratory Care | URS | Urban and Regional Studies |
| RHT | Radiation Health/Radiation Protection Technology | VAR | Variable-Paced Architecture |
| RMI | Risk Management & Insurance | VEC | Vegetable Crops |
| ROT | Reactor Operator Technology | VEM | Veterinary Medicine Professional |
| RSD | Rehabilitation Science Doctorate | VIC | Visual Communication |
| RTE | Radiologic Technology | VME | Veterinary Medicine Graduate |
| RTT | Radio/Television Technology | VPI | Vocational Preparatory Instruction |
| RTV | Radio-Television | VTN | Vietnamese Language |
| RUS | Russian Language | VTT | Vietnamese Culture in Translation or Translation Skills |
| RUT | Russian Culture in Translation or Translation Skills | VTW | Vietnamese Literature (Writings) |
| RUW | Russian Literature (Writings) | WCL | Ward Clerk |
| SAL | South Asian Languages | WDS | Weed Science |
| SBM | Small Business Mgmt: Occupational/Technical Variable Paced | WIS | Wildlife Science |
| SCA | Scandinavian Languages | WOH | World History |
| SCC | Security | WOL | Wolof Language |
| SCE | Science Education | WOT | Wolof Culture in Translation or Translation Skills |
| SCT | Scandinavian Culture in Translation or Translation Skills | WOW | Wolof Literature (Writings) |
| SCW | Serbo-Croatian Literature (Writings) | WST | Women's Studies |
| SCY | Security | XHO | Xhosa Language |
| SDS | Student Development Services | XHT | Xhosa Culture in Translation or Translation Skills |
| SEC | Serbo-Croatian Language | XHW | Xhosa Literature (Writings) |
| SED | Speech Education | YOR | Yoruba Language |
| SER | Small Engine Mechanics | YOT | Yoruba Culture in Translation or Translation Skills |
| SHO | Shona Language | YRW | Yoruba Literature (Writings) |
| SHT | Shona Culture in Translation or Translation Skills | ZOO | Zoology |
| SLA | Second Language Acquisition/Instructional Technology | | |
| SLL | Slavic Languages | | |
| SLS | Student Life Skills (Learning) | | |
| SLT | Slavic Culture in Translation or Translation Skills | | |
| SLW | Slavic Literature (Writings) | | |
| SNW | Scandinavian Literature | | |
| SON | Sonography | | |
| SOP | Social Psychology | | |
| SOS | Soil Science | | |
| SOW | Social Work | | |
| SPA | Speech Pathology and Audiology | | |
| SPB | Sports Business | | |
| SPC | Speech Communication (4/97) | | |
| SPM | Sports Management | | |
| SPN | Spanish Language | | |
| SPS | School Psychology | | |

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 ¹ |
|---------------------------------------|------------------------------|
| 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, Practicum, Clinical Prac | 3940, 4941, 5944 |
| Cooperative Education ² | 1949, 2949, 3949, 4949, 5949 |
| Honors Undergraduate Thesis | 3970H, 4970H |
| Honors Directed Reading ¹ | 4903H |
| Honors Directed Reading ² | 4904H |
| Study Abroad | 4955, 5957 |

*These courses may be assigned variable credit. Some may be repeated upon approval.

¹The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.

²Enrollment is limited to those students who are fully admitted to the Graduate Program.

³Enrollment is limited to those students who are admitted into the Co-op program.

Dual Usage of Credit Hours

With the exception of 3 + 2 programs, courses used to meet the requirements of an undergraduate degree cannot typically also be used to meet the requirements of a graduate program. Students should contact their advisor or college for specific program requirements or additional information.

UCF Course Description Legend

PR: (Prerequisite) A course in which credit must be earned prior to enrollment in the listed course.

CR: (Corequisite) A course that must be taken concurrently with, or prior to, the listed course.

CI: (Consent of the Instructor)

Hours Code

Each course listed is followed by a code that shows hours of credit and contact hours.

Example:

ART 2500C CAH-ART 3(2,4)
ART 2500C is offered by the College of Arts and Humanities (CAH), in the Department of Art (ART), carries 3 hours of credit but requires 6 contact hours which consist of 2 hours in class and 4 hours laboratory or field work.

Common Course Numbering System

College/School/Department Indicator

Following the course number for each course listed is an indicator denoting the college, school, and department responsible for the course. The college designators are BA = Business Administration, BHC = Burnett Honors College, CAH = Arts & Humanities, COM = Medicine, CON = Nursing, COS = Sciences, ECS = Engineering and Computer Science, ED = Education, HM = Hospitality Management, HPA = Health and Public Affairs, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

| College/School | Department | Abbreviation |
|----------------|-------------------------------|--------------|
| BA | Accounting | ACCT |
| BA | Business | BUS |
| BA | Economics | ECON |
| BA | Finance | FIN |
| BA | Management | MAN |
| BA | Management Information System | MIS |
| BA | Marketing | MAR |
| CAH | African American Studies | AAS |

| | | | | | |
|-----|----------------------------------|--------|------|----------------------------------|-----------|
| CAH | Art | ART | ECS | Civil & Environmental | CEE |
| CAH | Arts & Humanities | CAH | ECS | Electrical Eng & Computer Sci | EECS |
| CAH | Digital Media | DIG | ECS | Engineering | ENGR |
| CAH | English | ENG | ECS | Engineering Technology | ENT |
| CAH | Film | FILM | ECS | Industrial & Management | IEMS |
| CAH | Foreign Languages | LANG | ECS | Mechanical/Materials/Aerospace | MMAE |
| CAH | History | HIST | ECS | Military Science-Army ROTC | AROTC |
| CAH | Judaic Studies | JUD | ED | Child, Family & Comm Services | CFCS |
| CAH | Music | MUSIC | ED | Education | EDU |
| CAH | Philosophy | PHIL | ED | Ed Research, Tech & Lead | ERTL |
| CAH | Theatre | THEA | ED | Educational Foundations | EDF |
| CAH | Women's Studies | WOM | ED | Educational Studies | ES |
| COM | Molecular Biology & Microbiology | M&M | ED | Human Services/Wellness | HSW |
| CON | Nursing | NURS | ED | Instructional Programs | IP |
| COS | Biology | BIOL | ED | Teaching & Learning Principles | TLP |
| COS | Chemistry | CHEM | HM | Hospitality Management | HOSP |
| COS | Communication | COMM | HPA | Communicative Disorders | COMD |
| COS | Mathematics | MATH | HPA | Criminal Justice & Legal Studies | CJLS |
| COS | Physics | PHYS | HPA | Health & Public Affairs | HPA |
| COS | Political Science | POLS | HPA | Health Information Management | HIM |
| COS | Psychology | PSYCH | HPA | Health Professions | HP |
| COS | Radio/TV | R/TV | HPA | Public Administration | PUB |
| COS | Sociology & Anthropology | SOC/AN | HPA | Social Work | SOW |
| COS | Statistics | STAT | UGST | Undergrad/Interdisc Studies | INTERDISC |
| ECS | Air Force ROTC-Aerospace | AFROTC | | | |



UCF Courses and Descriptions

Finding a Course in this List: The UCF courses in this section are listed alphabetically by prefix. Consult the "Common Course Numbering System" section of the *Undergraduate Catalog* for additional information.

Availability of Courses: The University does not offer all of the courses listed in this *Undergraduate Catalog* each academic year, academic semester, or term. Consult the online Class Schedule at <https://my.ucf.edu> for those courses offered each semester/term. At the end of each course description is information on the planned scheduling of the course, (Fall, Spring or Occasional-department scheduled, Odd-Even based on year of term), and any applicable Material and Supply (M&S) Fee.

| | | |
|---|--|---|
| ACG 2021 BA-ACCT 3(3,0) Principles of Financial Accounting: PR: Sophomore standing and MAC 1105 or equivalent. Nature of accounting, financial statements, the accounting cycle, assets, current liabilities, long-term debt, and owner's equity; accounting for proprietorships and corporations. <i>Fall, Spring.</i> | ACG 4651 BA-ACCT 3(3,0) Auditing: PR: Accounting major or minor, ACG 3141 and ACG 4401C with a grade of "C" or better. The standards, practices, and procedures followed in the audit function. <i>Fall, Spring.</i> | 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. <i>Fall, Spring.</i> |
| ACG 2021H BA-ACCT 3(3,0) Honors Principles of Financial Accounting: PR: MAC 1105 and consent of Honors. Same as ACG 2021 with honors level content. <i>Occasional.</i> | ACG 4671 BA-ACCT 3(3,0) Internal Auditing: PR: Accounting major or minor, ACG 3131 or ACG 3361. Theory and practice of internal auditing and the use of internal auditing in organizational control. <i>Fall, Spring.</i> | 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. <i>Occasional.</i> |
| ACG 2071 BA-ACCT 3(3,0) Principles of Managerial Accounting: PR: ACG 2021 and MAC 1105 or equivalent. The purpose of this class is to thoroughly familiarize the student with the various uses of accounting information for planning and control. <i>Fall, Spring.</i> | ACG 4803 BA-ACCT 3(3,0) Contemporary Issues in Accounting: PR: ACG 3141, ACG 3361, ACG 4401C, TAX 4001. A study of accounting that integrates knowledge gained in previous accounting coursework through critical analysis, practical research assignments, and capstone cases. <i>Fall, Spring.</i> | AFA 2300 CAH-AAS 3(3,0) African American Music: Comprehensive look at music written and made popular by African Americans. <i>Occasional.</i> |
| ACG 3082 BA-ACCT 3(3,0) Accounting For Non-Business Majors: PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. <i>Occasional.</i> | ACG 5206 BA-ACCT 3(3,0) Seminar in Financial Reporting: PR: Acceptance for graduate study and all accounting foundation courses. An in-depth study of advanced financial reports. <i>Occasional.</i> | 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. <i>Fall, Spring.</i> |
| ACG 3131 BA-ACCT 3(3,0) Financial Accounting Concepts and Analysis: PR: Junior Standing, Accounting major or minor, and ACG 2021, ACG 2071 with a grade of "C" (2.0) or better. Technical knowledge about accounting measurement, and disclosure plus the study of how accounting reports are analyzed, and interpreted by external users. <i>Fall, Spring.</i> | ACG 5346 BA-ACCT 3(3,0) Advanced Managerial Accounting: PR: Acceptance in the graduate program, or Accounting major or minor in term of graduation, and ACG 3361 with a grade of "C" or better and ECO 3411. Advanced and current techniques for generation and use of accounting information in managerial decision-making. <i>Fall, Spring.</i> | AFA 3104 CAH-AAS 3(3,0) The Black Intellectual Experience: PR: AFA 3102. Interdisciplinary examination of major texts, theories, practices and philosophic foundations in Black intellectual and cultural history. <i>Occasional.</i> |
| ACG 3141 BA-ACCT 3(3,0) Intermediate Financial Accounting: PR: Accounting major or minor, ACG 3131 with a grade of "C" (2.0) or better. Accounting theory and practice related to preparation, and interpretation of external financial statements. <i>Fall, Spring.</i> | ACG 5405 BA-ACCT 3(3,0) Advanced Accounting Information Systems: PR: Acceptance in the graduate program, or Accounting major or minor in term of graduation, and ACG 4401C. Design, analysis and evaluation of accounting information systems. <i>Fall, Spring.</i> | AFA 3428 CAH-AAS 3(3,0) Malcolm X, Black Nationalism, and Internationalism: PR: AMH 2020. Comprehensive analysis of the social/political thought of Malcolm X and its impact on African political struggles. <i>Fall.</i> |
| ACG 3361 BA-ACCT 3(3,0) Cost Accounting I: PR: Junior standing, Accounting major or minor, and MAC 1105, ECO 2013, ECO 2023, and ACG 2071 with a grade of "C". Theory and practice of using accounting information for managerial planning, and control as well as in costing, and pricing decisions. <i>Fall, Spring.</i> | ACG 5517 BA-ACCT 3(3,0) Financial Accounting and Auditing for Governmental and Nonprofit Organizations: PR: Acceptance in the graduate program, or Accounting major or minor in term of graduation, and ACG 3501 or consent of Graduate Program Advisor. Financial accounting and reporting for funds and activities of governments and nonprofit organizations; financial audit of government and nonprofit organizations. <i>Occasional.</i> | AFA 3955 CAH-AAS 6(6,0) Study Abroad in Eastern Caribbean: PR: LAS 4023 or Junior standing. Interdisciplinary study abroad program focuses on the arts and humanities of African diasporic cultures in the Eastern Caribbean. <i>Occasional.</i> |
| ACG 3501 BA-ACCT 3(3,0) Financial Accounting for Governmental and Nonprofit Organizations: PR: Accounting major or minor, and a grade of "C" or better in ACG 2071. Application of the application of financial and managerial accounting, and auditing for governmental, and nonprofit organizations. <i>Fall, Spring.</i> | ACG 5625 BA-ACCT 3(3,0) Auditing and EDP: PR: Acceptance for graduate study, ACG 4401C, and ACG 4651. An examination of auditing procedures followed when a company uses a computer to process financial records. <i>Occasional.</i> | AFA 4105 CAH-AAS 3(3,0) Documenting African American Heritage and Life: PR: AFA 3104 or Junior standing. Community-based exploration of tools, methods, and techniques of documenting African American life and heritage, focusing on Central Florida black communities. <i>Occasional.</i> |
| ACG 4252 BA-ACCT 3(3,0) International Financial and Managerial Accounting: PR: Accounting major or minor, ACG 2021, ACG 2071. An examination of environmental factors affecting international accounting standards and multinational corporate operations. Not open to accounting majors. <i>Occasional.</i> | ADE 4382 ED-TLP 3(3,0) Teaching Adult Learners in Technical Programs: PR: EVT 3365 or CI. Planning for and teaching of adult learners in formal & informal technical settings. <i>Fall.</i> | AFA 5930 CAH-AAS 3(3,0) Topics in African American Studies: PR: graduate status 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. <i>Occasional.</i> |
| ACG 4284 BA-ACCT 3(3,0) Financial Reporting for Consolidated Entities: PR: ACG 3141. Financial reporting practices and issues related to consolidated entities including translation of foreign financial statements. <i>Occasional.</i> | ADV 3008 COS-COMM 3(3,0) Principles of Advertising: PR: SPC 1600. Overview of the field of advertising: purposes, techniques, the role of agencies, advertisers and the media. <i>Fall, Spring.</i> | AFH 3100 CAH-HIST 3(3,0) African History to 1870: PR: C.I. Sub-Saharan African institutions and peoples from the earliest time until 1870. <i>Occasional.</i> |
| ACG 4401C BA-ACCT 3(3,1) Accounting Information Systems: PR: Accounting major or minor, ACG 3131 and CGS 2100C, with a grade of "C" or better. Manual and computer-based accounting information systems. <i>Fall, Spring.</i> | ADV 4101 COS-COMM 3(3,0) Advertising Copywriting: PR: AD/PR majors only and ADV 3008. Advertising copywriting teaches the development of creative strategies for advertising and emphasizes writing for various ad media. <i>Fall, Spring.</i> | AFH 3200 CAH-HIST 3(3,0) African History Since 1870: PR: C.I. Sub-Saharan African history from 1870 to the present. <i>Occasional.</i> |
| | | AFH 5806 CAH-HIST 3(3,0) The Historiography of Slavery in Africa: PR: graduate status or senior standing or C.I. Course covers the central issues and controversies in the historiography of slavery in Africa. <i>Occasional.</i> |

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| AFR 1101C | ECS-AFROTC | 1(1,2) | AMH 3403 | CAH-HIST | 3(3,0) | AMH 3610 | CAH-HIST | 3(3,0) |
| 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. <i>Fall.</i> | | | History of the South Since 1865: PR: AMH 2010 and AMH 2020, or C.I. Reconstruction, the "solid South" and the racial dilemma, progressivism for whites only, southern literature, 20th-century economic, political and social changes, and the new Reconstruction. <i>Occasional.</i> | | | Sport in America to 1945: PR: AMH 2010, AMH 2020 or C.I. History of sport emphasizing development of professional and collegiate sport to 1945. <i>Occasional.</i> | | |
| AFR 1111C | ECS-AFROTC | 1(1,2) | AMH 3422 | CAH-HIST | 3(3,0) | AMH 3611 | CAH-HIST | 3(3,0) |
| The Air Force Today II: A brief review of the Army, Navy, and Marine forces. An introduction to special operations and counterinsurgency. <i>Spring.</i> | | | Frontier Florida: PR: AMH 2010 and AMH 2020 or C.I. History of Florida from U.S. territory until post-war industrialization. <i>Occasional.</i> | | | Sport in America Since 1945: PR: AMH 2010, AMH 2020 or C.I. American sport emphasizing the development of professional and collegiate sport since 1945. <i>Odd Spring.</i> | | |
| AFR 2130C | ECS-AFROTC | 1(1,2) | AMH 3425 | CAH-HIST | 3(3,0) | AMH 3800 | CAH-HIST | 3(3,0) |
| 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. <i>Fall.</i> | | | Sunbelt Florida: PR: AMH 2010 and AMH 2020 or C.I. History of Florida from post-war industrialization to the present. <i>Occasional.</i> | | | Canadian History: Canada since Colonial times and the present, but with emphasis on the period since the British North America Act, 1867. <i>Occasional.</i> | | |
| AFR 2131C | ECS-AFROTC | 1(1,2) | AMH 3441 | CAH-HIST | 3(3,0) | AMH 4110 | CAH-HIST | 3(3,0) |
| 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. <i>Spring.</i> | | | History of the Frontier: Eastern America: PR: AMH 2010 and AMH 2020 or C.I. The progression of the westward movement from the colonial settlements to the Mississippi, considered as an interpretive approach to American history. <i>Occasional.</i> | | | Colonial America, 1607-1763: PR: AMH 2010 and AMH 2020, or C.I. The voyages of discovery, the origins of the thirteen colonies, and their political, economic, social, and religious life in the 17th and 18th centuries. <i>Occasional.</i> | | |
| AFR 3220C | ECS-AFROTC | 3(3,2) | AMH 3442 | CAH-HIST | 3(3,0) | AMH 4112 | CAH-HIST | 3(3,0) |
| Air Force Leadership and Management I: An introductory study of Air Force management fundamentals, communications skills, and basic leadership styles. Hands on training. <i>Fall.</i> | | | History of the Frontier: Western America: PR: AMH 2010 and AMH 2020, or C.I. The development of the trans-Mississippi West and its impact upon American history. <i>Occasional.</i> | | | The Atlantic World: PR: C.I. The impact and transforming effect of the Atlantic System on the peoples of Western Europe, Western Africa, the Caribbean and the Americas. <i>Occasional.</i> | | |
| AFR 3230C | ECS-AFROTC | 3(3,2) | AMH 3541 | CAH-HIST | 3(3,0) | AMH 4130 | CAH-HIST | 3(3,0) |
| Air Force Evaluation and Management II: PR: AFR 3220C or C.I. A concluding study of Air Force management fundamentals, including performance evaluation skills. <i>Spring.</i> | | | U. S. Military History To 1900: PR: AMH 2010 and AMH 2020. U.S. military history from the colonial period to 1900 focusing on the creation of American military institutions, conduct of war, and influence on society. <i>Occasional.</i> | | | The Age of the American Revolution, 1763-1789: PR: AMH 2010 and AMH 2020, or C.I. The American Revolution - its origins, course, and impact upon American society - the Articles of Confederation, the Philadelphia Convention and its work. <i>Occasional.</i> | | |
| AFR 4201C | ECS-AFROTC | 3(3,2) | AMH 3547 | CAH-HIST | 3(3,0) | AMH 4140 | CAH-HIST | 3(3,0) |
| National Security Affairs and Prep for Active Duty I: PR: AFR 3220C. Examination of the military and its role in American society. A study of the framework and formation of defense strategy. Hands on training. <i>Fall.</i> | | | U.S. Military History Since 1900: PR: AMH 2010 and AMH 2020, or C.I. U. S. military history since 1900 emphasizing civil-military relations, warfare, and military developments. <i>Occasional.</i> | | | Jeffersonian America: PR: AMH 2010 and AMH 2020, or C.I. The Confederation era, the Federalists, Jeffersonian Democracy, and the War of 1812. <i>Occasional.</i> | | |
| AFR 4210C | ECS-AFROTC | 3(3,2) | AMH 3558 | CAH-HIST | 3(3,0) | AMH 4160 | CAH-HIST | 3(3,0) |
| National Security Affairs and Prep for Active Duty II: An examination of defense implementation and its impact on the decision-making process. A study of the military justice system and its protection of individual rights. <i>Spring.</i> | | | History of American Law: PR: AMH 2010 and AMH 2020, or EUH 2000 and EUH 2001. The social, political, and economic significance of the law as a historic process in America. <i>Occasional.</i> | | | Jacksonian America: PR: AMH 2010 and AMH 2020, or C.I. The risk of American nationalism, Jacksonian Democracy, the Mexican War, and sectional conflict. <i>Occasional.</i> | | |
| AMH 2010 | CAH-HIST | 3(3,0) | AMH 3561 | CAH-HIST | 3(3,0) | AMH 4170 | CAH-HIST | 3(3,0) |
| U.S. History: 1492-1877: Survey of U.S. History from 1492-1877. <i>Fall, Spring.</i> | | | Women in American History I: PR: AMH 2010, AMH 2020. Examines women in indigenous, colonial, African-American slave and free societies, Republican Motherhood, impact of industrialization on women's roles, and emergence of women's rights movement. <i>Occasional.</i> | | | Civil War and Reconstruction: PR: AMH 2010 and AMH 2020, or C.I. Reconstruction, and impact of industrialism. <i>Occasional.</i> | | |
| AMH 2010H | CAH-HIST | 3(3,0) | AMH 3562 | CAH-HIST | 3(3,0) | AMH 4201 | CAH-HIST | 3(3,0) |
| Honors U.S. History: 1492-1877: PR: Consent of Honors. Survey of U.S. History from 1492-1877. <i>Fall, Spring.</i> | | | Women in American History II: PR: AMH 2010, AMH 2020 or C.I. Examines industrialization, entry of women into higher education and professions, winning of suffrage, changing profile of female wage earner, and rise of modern feminist movement. <i>Occasional.</i> | | | The Gilded Age and Progressivism: PR: AMH 2010 and AMH 2020, or C.I. The Rise of Industrialized and Urbanized America, The emergence of the New South and the New West, the Populist Movement, overseas expansion, Progressivism. <i>Occasional.</i> | | |
| AMH 2020 | CAH-HIST | 3(3,0) | AMH 3571 | CAH-HIST | 3(3,0) | AMH 4231 | CAH-HIST | 3(3,0) |
| U.S. History: 1877-Present: Survey of U.S. History from 1877 to the present. May be taken before AMH 2010. <i>Fall, Spring.</i> | | | Black American History I: PR: AMH 2010, AMH 2020 or C.I. History of Black Americans from Africa, to slavery, to freedom and its limits in pre-World War I America. <i>Occasional.</i> | | | United States History: 1914-1939: PR: AMH 2010 and AMH 2020, or C.I. The progressive reforms of Woodrow Wilson, World War I, post-war prosperity, the Depression, the New Deal, and the coming of World War II. <i>Occasional.</i> | | |
| AMH 2020H | CAH-HIST | 3(3,0) | AMH 3572 | CAH-HIST | 3(3,0) | AMH 4270 | CAH-HIST | 3(3,0) |
| Honors U.S. History: 1877-Present: PR: Permission of Honors and AMH 2010 or C.I. Survey of U.S. History from 1877 to the present. May be taken before AMH 2010. Honors-level content. <i>Fall, Spring.</i> | | | Black American History II: PR: AMH 2010, AMH 2020 or C.I. A history of Black America in the Twentieth century and the continuing struggle for equality in America. <i>Occasional.</i> | | | United States History: 1939-1960: PR: AMH 2010 and AMH 2020, or C.I. World War II, the Cold War and America in the fifties. <i>Occasional.</i> | | |
| AMH 3370 | CAH-HIST | 3(3,0) | AMH 3586 | CAH-HIST | 3(3,0) | AMH 4273 | CAH-HIST | 3(3,0) |
| American Economic History: PR: AMH 2010 and AMH 2020, or C.I. An introduction to the economic development of the U.S., with emphasis on agriculture, labor, industrialization, transportation, and banking. <i>Occasional.</i> | | | History of the Hispanic Minorities in the U.S.: Course begins with 16th century through the modern period. Special emphasis on Chicanos, Puerto Ricans, and Cubans. <i>Occasional.</i> | | | U. S. History Since 1960: PR: AMH 2010 and AMH 2020 or C. I. Civil rights and Women's Liberation Movements, Vietnam War, Watergate, the decline of liberalism and the rise of conservatism, end of the Cold War. <i>Occasional.</i> | | |
| AMH 3402 | CAH-HIST | 3(3,0) | AMH 4311 | CAH-HIST | 3(3,0) | AMH 4311 | CAH-HIST | 3(3,0) |
| History of the South to 1865: PR: AMH 2010 or AMH 2020 or C.I. Development of the southern colonies, beginning sectionalism, the cotton economy, and slavery, Calhoun's constitutional theories, secession, Civil War and its aftermath. <i>Occasional.</i> | | | American Culture I: PR: AMH 2010 and AMH 2020, or C.I. The European Backgrounds: Puritanism: Enlightenment: the Great Awakening; Revolutionary Thought: Romanticism; the Southern Mind and the Yankee Response; Popular Culture and the rise of recreation. <i>Occasional.</i> | | | | | |

UCF Courses and Descriptions

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| AMH 4313 | CAH-HIST | 3(3,0) | AMH 5296 | CAH-HIST | 3(3,0) | AML 3615 | CAH-ENG | 3(3,0) |
| American Culture II: PR: AMH 2010 and AMH 2020, or C.I. The Darwinian Revolution; revolt of the intellectuals; the media explosion; mass entertainment in mass culture; the loss of community, the nuclear age, and presentism. <i>Occasional.</i> | | | Colloquium in 20th Century U.S.: PR: graduate status or senior standing or C.I. Reading and class discussion on selected topics in 20th-century U.S. May be used in the degree program a maximum of 4 times only when course content is different. <i>Occasional.</i> | | | Harlem, Haiti, and Havana: PR: Grade of C (2.0) or better required in ENC 1102. A comparative approach to African American and Caribbean writers, focusing on literary styles, historical contexts, and themes such as nationalism, popular music, and folk religion. <i>Occasional.</i> | | |
| AMH 4376 | CAH-HIST | 3(3,0) | AMH 5391 | CAH-HIST | 3(3,0) | AML 3640 | CAH-ENG | 3(3,0) |
| U.S. Space History: PR: AMH 2010 and AMH 2020, or C.I. Post World War II US rocketry and space travel with focus on the role of Cape Canaveral/Kennedy Space Center. <i>Occasional.</i> | | | Colloquium in U.S. Cultural History: PR: graduate status or senior standing or C.I. Students will read and discuss a common or diverse body of the significant literature in the field. <i>Occasional.</i> | | | Native American Literature: PR: Grade of C (2.0) or better required in ENC 1101 and ENC 1102. Native American genres, including traditional oral narratives, ritual and contemporary poetry, autobiography, and the novel. <i>Occasional.</i> | | |
| AMH 4510 | CAH-HIST | 3(3,0) | AMH 5406 | CAH-HIST | 3(3,0) | AML 3643 | CAH-ENG | 3(3,0) |
| Rise of the United States to World Power, 1776-1914: PR: AMH 2010 and AMH 2020, or C.I. The evolution of basic American policies. American expansion. America's major wars, and the emergence of America as a world power. <i>Occasional.</i> | | | Colloquium in American South: PR: graduate status or senior standing or C.I. Intensive reading and class discussion on selected topics of Southern history from colonial origins to the present. <i>Occasional.</i> | | | Contemporary Native American Prose and Poetry: PR: ENC 1101, ENC 1102. Native American prose fiction and poetry since Momaday's <i>House Made of Dawn</i> (1968) and American Indian prose and poetry since that time. <i>Occasional.</i> | | |
| AMH 4512 | CAH-HIST | 3(3,0) | AMH 5446 | CAH-HIST | 3(3,0) | AML 3682 | CAH-ENG | 3(3,0) |
| US Diplomatic History: 1914-1945: PR: AMH 2010 and AMH 2020, or C.I. U.S. diplomacy from World War I through World War II. <i>Occasional.</i> | | | Colloquium in U.S. Frontier: PR: graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics of frontier history. <i>Occasional.</i> | | | Ethnic Literature in America: PR: ENC 1102. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States. <i>Occasional.</i> | | |
| AMH 4513 | CAH-HIST | 3(3,0) | AMH 5515 | CAH-HIST | 3(3,0) | AML 3682H | CAH-ENG | 3(3,0) |
| United States as a Great Power: 1945-Present: PR: AMH 2020 or C.I. U.S. diplomacy from World War II to the present. <i>Occasional.</i> | | | Colloquium in U.S. Diplomatic History: PR: graduate status or senior standing or C.I. A survey of the historical literature of American foreign policy. May be repeated for credit only when course content is different. <i>Occasional.</i> | | | Honors Ethnic Literature in America: PR: Permission of Honors and ENC 1102H or equivalent credit. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States. Honors content. <i>Occasional.</i> | | |
| AMH 4573 | CAH-HIST | 3(3,0) | AMH 5566 | CAH-HIST | 3(3,0) | AML 4101 | CAH-ENG | 3(3,0) |
| Black Militancy in the 20th Century: PR: AMH 2010 and AMH 2020 or C.I. The rise and development of black militant organizations and how these groups have been influenced by hostile foreign entities. <i>Occasional.</i> | | | Colloquium: Women in American History: PR: graduate status 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. <i>Occasional.</i> | | | American Novel: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. Analysis of major American novelists. <i>Occasional.</i> | | |
| AMH 4644 | CAH-HIST | 3(3,0) | AMH 5937 | CAH-HIST | 3(3,0) | AML 4153 | CAH-ENG | 3(3,0) |
| Viewing American History in the Twentieth Century: PR: AMH 2010 and AMH 2020 or C.I. Examination of television, film, comics, and other popular media as primary sources in the study of U.S. History in the 20th Century. <i>Spring.</i> | | | AP American History: PR: graduate status or senior standing or C.I. Participants will enhance their knowledge of weighing evidence and interpretations presented in historical scholarship with respect to the social, cultural, intellectual, economic, and political-diplomatic history of the U.S. <i>Occasional.</i> | | | American Poetry at Mid-Century: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. Study of major figures from the "Middle Generation": Berryman, Bishop, Jarrell, Lowell, Plath, Rich, Roethke, and others. <i>Occasional.</i> | | |
| AMH 4650 | CAH-HIST | 3(3,0) | AML 3031 | CAH-ENG | 3(3,0) | AML 4155 | CAH-ENG | 3(3,0) |
| History of U.S. Aviation: PR: AMH 2010 or AMH 2020. Aviation development in the United States and its role in American culture. <i>Even Fall.</i> | | | American Literature I: PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from beginning through Whitman. <i>Fall, Spring.</i> | | | Modern American Poetry: PR: Grade of C (2.0) or better required in ENC 3014. Major American poets of the modern (1900-1950) period. <i>Occasional.</i> | | |
| AMH 5116 | CAH-HIST | 3(3,0) | AML 3041 | CAH-ENG | 3(3,0) | AML 4261 | CAH-ENG | 3(3,0) |
| Colloquium in U.S. Colonial History: PR: graduate status or senior standing or C.I. Reading and discussion of the literature on selected topics in colonial American history. <i>Occasional.</i> | | | American Literature II: PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from Twain to present. <i>Fall, Spring.</i> | | | Literature of the South: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014 or C.I. Development of Southern literature from its beginnings in the "Old South" through the post-Civil War and the Southern-Renaissance to the present. Emphasizes reading from Poe, Ransom, Tate, Faulkner, Porter, Warren, O'Connor, Percy, and Styron. <i>Occasional.</i> | | |
| AMH 5137 | CAH-HIST | 3(3,0) | AML 3283 | CAH-ENG | 3(3,0) | AML 4265 | CAH-ENG | 3(3,0) |
| Colloquium in U.S. Revolutionary Period: PR: graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in the Revolutionary Era, 1763-1789. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Florida Writers: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. This course will examine writers who have lived in and written about Florida, such as Hemingway, Rawlings, Hurston, and Stevens. <i>Occasional.</i> | | |
| AMH 5149 | CAH-HIST | 3(3,0) | AML 3286 | CAH-ENG | 3(3,0) | AML 4300 | CAH-ENG | 3(3,0) |
| Colloquium in Early U.S. History, 1789-1815: PR: graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics of the early national period. <i>Occasional.</i> | | | Early American Women's Words: PR: ENC 1102. Women's writings in the Americas from the 17th century through the mid-19th century. <i>Occasional.</i> | | | Major American Authors: PR: Grade of C (2.0) or better required in ENG 3014. A comprehensive study of selected major American literary figures. May be repeated for credit only when course content is different. <i>Fall, Spring.</i> | | |
| AMH 5169 | CAH-HIST | 3(3,0) | AML 3613 | CAH-ENG | 3(3,0) | AML 4304 | CAH-ENG | 3(3,0) |
| Colloquium in Age of Jackson: PR: graduate status or senior standing or C.I. Intensive reading and class discussion on selected topics of the Jacksonian age. <i>Occasional.</i> | | | Narratives of Slavery: PR: Grade of C (2.0) or better required in ENC 1102. Literary representations of New World slavery in the past and the present. <i>Occasional.</i> | | | Whitman and His Heirs: PR: Grade of C (2.0) or better required in ENG 3014. The work of American poet, Walt Whitman (1819-1892), and his influence on modern American poetry. <i>Occasional.</i> | | |
| AMH 5176 | CAH-HIST | 3(3,0) | AML 3614 | CAH-ENG | 3(3,0) | AML 4321 | CAH-ENG | 3(3,0) |
| Colloquium in Civil War and Reconstruction: PR: graduate status or senior standing or C.I. Intensive reading and class discussion on selected topics of the Civil War and Reconstruction era. <i>Occasional.</i> | | | Topics in African-American Literature: PR: Grade of C (2.0) or better required in ENC 1102. Literature by and about African-American culture in the United States. May be repeated for credit. <i>Occasional.</i> | | | Modern American Literature: PR: Grade of C (2.0) or better required in ENG 3014. Major writers of modern American literature. <i>Occasional.</i> | | |
| AMH 5219 | CAH-HIST | 3(3,0) | | | | | | |
| Colloquium in Late 19th Century U.S.: PR: graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics of late 19th-century U.S. <i>Occasional.</i> | | | | | | | | |

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|--|------------|--------|---|------------|--------|---|------------|--------|
| AML 4630 | CAH-ENG | 3(3,0) | ANG 5467 | COS-ANTHRO | 3(3,0) | ANT 3142 | COS-ANTHRO | 3(3,0) |
| Latino/Latina Literature: PR: Grade of C (2.0) or better required in ENG 3014. U.S. literature by writers from Latino and Latina backgrounds. <i>Occasional.</i> | | | Nutritional Anthropology: PR: One course in Social Sciences (min-2000-level) and one course in Biological Sciences (min 2000-level) or Consent of Instructor. Graduate status or senior standing or C.I. The biological, social, cultural, psychological, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, evolutionary, ecological. <i>Occasional.</i> | | | Old World Prehistory: A comparative study of social evolution in Africa, Europe, and Asia from the earliest humans to the beginnings of recorded history. <i>Occasional.</i> | | |
| AML 5076 | CAH-ENG | 3(3,0) | ANG 5620 | COS-ANTHRO | 3(3,0) | ANT 3145 | COS-ANTHRO | 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 America Literature, this course surveys texts produced in America from the colonial period to the present. <i>Occasional.</i> | | | 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. <i>Spring.</i> | | | Archaeology of Complex Societies: Theoretical perspectives on ancient hierarchies of power. <i>Fall.</i> | | |
| AML 5156 | CAH-ENG | 3(3,0) | ANG 5622 | COS-ANTHRO | 3(3,0) | ANT 3158 | COS-ANTHRO | 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. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Florida Archaeology: PR: ANT 2000 or ANT 2100 or C.I. Florida prehistory from Paleo-Indian to European contact including archaeological periods, cultural areas, sites, and artifacts. <i>Occasional.</i> | | |
| ANG 5100 | COS-ANTHRO | 3(3,0) | ANG 5738 | COS-ANTHRO | 3(3,0) | ANT 3160 | COS-ANTHRO | 3(3,0) |
| Archeological Sciences: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Field and laboratory methods routinely used in archeology and forensic archeology, including instrumentation. <i>Occasional.</i> | | | Advanced Medical Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Advanced topics in ethnography of medical traditions and anthropological approaches to the study of health and disease. <i>Odd Fall.</i> | | | Pre-Contact Americas: 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. <i>Occasional.</i> | | |
| ANG 5165 | COS-ANTHRO | 3(3,0) | ANG 5741 | COS-ANTHRO | 3(3,0) | ANT 3161 | 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 in-field research in the Maya area. <i>Spring.</i> | | | 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. <i>Occasional.</i> | | | Archaeology of Mexico: PR: ANT 2000 or C.I. Achievements of civilizations in Mexico (Olmec, Zapotec, Aztec) as well as lesser known archaeological cultures. <i>Occasional.</i> | | |
| ANG 5166 | COS-ANTHRO | 3(3,0) | ANG 5742 | COS-ANTHRO | 3(3,0) | ANT 3163 | 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. <i>Occasional.</i> | | | Problems in Forensic Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Current issues and topics in forensic anthropology. <i>Occasional.</i> | | | Mesoamerican Archaeology: An introduction to the prehistory of Mexico. Guatemala and upper Central America from earliest times through the Spanish conquest. <i>Occasional.</i> | | |
| ANG 5167 | COS-ANTHRO | 3(3,0) | ANT 2000 | COS-ANTHRO | 3(3,0) | ANT 3164 | COS-ANTHRO | 3(3,0) |
| Maya Hieroglyphs: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The study of Maya writing, the translation of Maya hieroglyphs, and the significance of translations to reconstructions of ancient Maya culture. <i>Occasional.</i> | | | General Anthropology: An introductory survey of the four major subfields of anthropology: Social Anthropology, Physical Anthropology, Linguistics, and Archaeology. <i>Fall, Spring.</i> | | | Ancient Incas: PR: ANT 2000 or SYG 2000 or ANT 2100 or C.I. The ancient Inca civilization, including examination of pre-Inca cultures and modern Andeans. Uses archaeological, ethnohistorical, historical, and contemporary anthropological sources. <i>Occasional.</i> | | |
| ANG 5228 | COS-ANTHRO | 3(3,0) | ANT 2000H | COS-ANTHRO | 3(3,0) | ANT 3165 | COS-ANTHRO | 3(3,0) |
| Maya Iconography: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Study and interpretation of ancient Maya iconography as reflected in art, artifacts, and constructed features. <i>Odd Spring.</i> | | | General Anthropology Honors: PR: Permission of Honors. Extensive honors work in the field of anthropology. Expectations, requirements, and standards are greater than for standard General Anthropology. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| ANG 5272 | COS-ANTHRO | 3(3,0) | ANT 2100 | COS-ANTHRO | 3(3,0) | ANT 3168 | COS-ANTHRO | 3(3,0) |
| Culture, Power and Development: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Origins and contemporary ramifications of underdevelopment and disempowerment in the world system from an anthropological perspective. <i>Occasional.</i> | | | Archaeology and the Rise of Human Culture: The evolution of human society from foraging and hunting groups to the earliest cities and states. <i>Fall.</i> | | | Maya Archaeology: An examination of the Prehistoric Maya culture focusing on both the archaeology and current issues in the field. <i>Occasional.</i> | | |
| ANG 5307 | COS-ANTHRO | 3(3,0) | ANT 2410 | COS-ANTHRO | 3(3,0) | ANT 3173 | 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. <i>Occasional.</i> | | | Cultural Anthropology (Anthropology II): An introduction to human diversity as exemplified among various cultures and ethnic groups. <i>Even Spring.</i> | | | Archaeology of Sex: PR: ANT 2000 or C.I. Cross-cultural concepts of sex, sexuality, and sexual intercourse throughout human history from an archaeological perspective. <i>Occasional.</i> | | |
| ANG 5341 | COS-ANTHRO | 3(3,0) | ANT 2511 | COS-ANTHRO | 3(3,0) | ANT 3177 | 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. <i>Occasional.</i> | | | The Human Species: Human biological variation in an evolutionary perspective. <i>Fall, Spring.</i> | | | Archaeology of Caribbean Piracy: PR: ANT 2000 or C.I. The profession of piracy in the context of Caribbean prehistory and archaeology. <i>Occasional.</i> | | |
| ANG 5437 | COS-ANTHRO | 3(3,0) | ANT 2511H | COS-ANTHRO | 3(3,0) | ANT 3212 | 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. <i>Occasional.</i> | | | Honors The Human Species: PR: Permission of Honors. Human biological variation in an evolutionary perspective. <i>Occasional.</i> | | | Peoples of the World: A comparative study of religion, family, politics, philosophy, and other elements of socio-cultural organization of pre-literate societies. <i>Fall, Spring.</i> | | |
| | | | ANT 3106 | COS-ANTHRO | 3(3,0) | ANT 3241 | 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. <i>Occasional.</i> | | | Magic, Ritual, and Belief: Patterns in religious behavior in various societies, with primary emphasis on myth, rite, taboo, and festival social phenomena. <i>Fall, Spring.</i> | | |
| | | | ANT 3115 | COS-ANTHRO | 3(3,0) | ANT 3245 | COS-ANTHRO | 3(3,0) |
| | | | Archaeological Method and Theory: A survey of archaeological field and laboratory techniques, including the interpretation of written archaeological reports. <i>Even Fall.</i> | | | Native American Religions: PR: ANT 2000 or ANT 2410 or C.I. The religious beliefs of native New World peoples. <i>Occasional.</i> | | |
| | | | | | | ANT 3262 | COS-ANTHRO | 3(3,0) |
| | | | | | | Rural Society: An introduction to rural society in the U.S. and abroad. Problems of third world development in the rural sector. <i>Occasional.</i> | | |

UCF Courses and Descriptions

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|---|------------|--------|---|------------|--------|---|------------|--------|
| ANT 3273 | COS-ANTHRO | 3(3,0) | ANT 3363 | COS-ANTHRO | 3(3,0) | ANT 4308 | COS-ANTHRO | 3(3,0) |
| Law and Culture: An introduction to law as an organizing force in society, including a study of primitive forms of law and social control. <i>Occasional.</i> | | | Anthropology of Japan: An examination of Japanese culture and its contemporary behavioral and organizational patterns by drawing upon archaeology, cultural history, linguistics, cultural anthropology, and social organization. <i>Occasional.</i> | | | Gender Issues in Latin America: PR: Completion of a lower-level social science course or its equivalent. Issues of gender in Latin America through an anthropological approach, both theoretical and practical, with special attention to women's lives. <i>Occasional.</i> | | |
| ANT 3302 | COS-ANTHRO | 3(3,0) | ANT 3450 | COS-ANTHRO | 3(3,0) | ANT 4332 | COS-ANTHRO | 3(3,0) |
| Sex, Gender and Culture: The traditional and changing roles of women and men viewed in a cross-cultural perspective. <i>Fall, Spring.</i> | | | Living in the USA: Anthropological Perspectives: PR: ANT 2000 or SYG 2000 or PSY 2012 or C.I. Ethnographic study of diverse experiences of life in the United States. Special focus on class, race, gender, citizenship, generation, and religion. <i>Occasional.</i> | | | People and Cultures of Latin America: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. History and society of the peoples of Latin America, emphasizing patterns of subsistence and social organization. <i>Odd Fall, Spring.</i> | | |
| ANT 3311 | COS-ANTHRO | 3(3,0) | ANT 3541 | COS-ANTHRO | 3(3,0) | ANT 4340 | COS-ANTHRO | 3(3,0) |
| Indians of the Southeastern United States: A study of the social and cultural history of the Indians of the Southeast. <i>Occasional.</i> | | | Biobehavioral Anthropology: An introduction to the study of human behavior in terms of mutual interaction between human biology and cultural environments. <i>Spring.</i> | | | Caribbean Cultures: PR: ANT 2000, ANT 2410, SYG 2000, PSY 2012, or C.I. Comparative study of peoples and cultures of the Anglophone, Francophone, Hispanophone, and Caribbean. <i>Occasional.</i> | | |
| ANT 3312 | COS-ANTHRO | 3(3,0) | ANT 3550 | COS-ANTHRO | 3(3,0) | ANT 4352 | COS-ANTHRO | 3(3,0) |
| Ethnology of North American Indians: A survey of the aboriginal cultures of North America, with emphasis on the pre-contact cultural condition. <i>Even Spring.</i> | | | Primateology: PR: ANT 2511 or C.I. Study of species from the Order Primates, including their morphology, ecology, behavior, and geographic distribution. <i>Occasional.</i> | | | African Societies and Cultures: PR: ANT 2000 or SYG 2000 or C.I. Anthropological survey of Africa examining the social, cultural, and economic diversity of the continent over time. <i>Occasional.</i> | | |
| ANT 3313 | COS-ANTHRO | 3(3,0) | ANT 3640 | COS-ANTHRO | 3(3,0) | ANT 4354 | COS-ANTHRO | 3(3,0) |
| Indians of North America High Plains: A study of the social and cultural history of the Indians of the North American High Plains. <i>Occasional.</i> | | | Language and Culture: PR: Sophomore standing. The study of language in a non-western setting; language and behavior; language and perception. <i>Spring.</i> | | | Postcolonial Africa: PR: ANT 2000 or SYG 2000 or C.I. Cultural change and continuity in contemporary Africa, ethnography of postcolonial social and cultural issues including globalization, health, economics, peace and stability. <i>Occasional.</i> | | |
| ANT 3314 | COS-ANTHRO | 3(3,0) | ANT 3701 | COS-ANTHRO | 3(3,0) | ANT 4438 | COS-ANTHRO | 3(3,0) |
| Indians of the Northeast Woodlands: PR: ANT 2000 or ANT 2410 or other lower-level social science course. The prehistory, history and culture of Native Americans of the North American Northeast. <i>Occasional.</i> | | | Applied Anthropology: PR: ANT 2000 or C.I. Application of anthropological methods to current human problems such as the environment, migration, globalization and health. <i>Occasional.</i> | | | Anthropology of Tourism: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. Social theory of tourism; anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. <i>Occasional.</i> | | |
| ANT 3316 | COS-ANTHRO | 3(3,0) | ANT 3949 | COS-ANTHRO | 0(0,8) | ANT 4462 | COS-ANTHRO | 3(3,0) |
| Black/Seminole Relations: PR: 2000 level GEP Social Science course or C.I. Relationships forged between peoples of African origin and descent and the Seminole Indians. <i>Occasional.</i> | | | Cooperative Education in Anthropology: PR: Departmental permission required before registering. Cooperative education experience in anthropology. Graded S/U. May be repeated. <i>Occasional.</i> | | | Medical Anthropology: PR: ANT 2000 or ANT 2511 or C.I. The field of medical anthropology. Topics will include theories, methods, and applications. <i>Occasional.</i> | | |
| ANT 3318 | COS-ANTHRO | 3(3,0) | ANT 4034 | COS-ANTHRO | 3(3,0) | ANT 4467 | 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. <i>Occasional.</i> | | | History of Anthropological Thought: The exploration of the intellectual foundations of modern anthropology. <i>Spring.</i> | | | Nutritional Anthropology: PR: One 2000 level course in social sciences and one 2000 level course in biological sciences or C.I. Psychological, biological, social, cultural, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, ecological and evolutionary. <i>Occasional.</i> | | |
| ANT 3319 | COS-ANTHRO | 3(3,0) | ANT 4101 | COS-ANTHRO | 3(3,0) | ANT 4516 | COS-ANTHRO | 3(3,0) |
| Anthropology of Diaspora: PR: ANT 2000 or ANT 2410 or C.I. Comparative study of sociocultural constructions of race and the processes of acculturation and resistance in African Diasporas of the New and Old Worlds. <i>Occasional.</i> | | | Archaeological Sciences: PR: ANT 2511, or ANT 2100, or C.I. Methods and instrumentation routinely used in archaeology and forensic archaeology. <i>Spring.</i> | | | Human Biological Diversity: PR: ANT 2511 or BSC 2010C or C.I. Human biological variation and adaptation. <i>Occasional.</i> | | |
| ANT 3320 | COS-ANTHRO | 3(3,0) | ANT 4144 | COS-ANTHRO | 3(3,0) | ANT 4521C | COS-ANTHRO | 3(3,0) |
| Indians of the Southwest: PR: ANT 2000. Native American culture types of the southwest: Navajo, Pueblo (Zuni, Hopi, Tewa), Apache (Lipan, Mescalero), and Desert Tradition (Pima, Papago, Havasupi). <i>Occasional.</i> | | | Prehistory of North America: PR: Any lower level course in the social sciences. The rise of North American Native culture from the earliest evidence of human occupation in the New World; e.g., the Folsom, Clovis, Sandia, etc., to the time of contact with European cultures. <i>Occasional.</i> | | | Forensic Anthropology: PR: ANT 2511 or C.I. The study of human skeletal remains in relation to a legal context. <i>Occasional.</i> | | |
| ANT 3330 | COS-ANTHRO | 3(3,0) | ANT 4153 | COS-ANTHRO | 3(3,0) | ANT 4525C | COS-ANTHRO | 4(3,1) |
| 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. <i>Occasional.</i> | | | North American Archaeology: PR: any lower level social science course. The cultural development of Native North Americans from prehistoric times to the period of the first European contact. <i>Occasional.</i> | | | Human Osteology: PR: ANT 2511. The scientific study of the human skeleton and the methodology and techniques involved in the anthropological assessment of skeletal remains. <i>Fall.</i> | | |
| ANT 3344 | COS-ANTHRO | 3(3,0) | ANT 4180C | COS-ANTHRO | 3(1,4) | ANT 4528C | COS-ANTHRO | 5(3,3) |
| Puerto Rican Culture: PR: ANT 2000, or SYG 2000, or PSY 2012, or C.I. Ethnographic study of Puerto Rican culture in Puerto Rico and the U.S. Emphasis on race, class, and gender in twentieth-century Puerto Rican experiences. <i>Occasional.</i> | | | Seminar in Laboratory Analysis: The processing of archaeological finds from excavation through publication. May be repeated for credit. <i>Spring.</i> | | | Advanced Forensic Anthropology: PR: ANT 4521C. Advanced laboratory methods in forensic anthropology, including skeletal analysis and the application of archaeological techniques to the recovery of human remains. <i>Even Spring.</i> | | |
| ANT 3358 | COS-ANTHRO | 3(3,0) | ANT 4184 | COS-ANTHRO | 3(3,0) | ANT 4586 | 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 citizens and royalty in Ancient Egypt (3200 BCE-AD 600). <i>Occasional.</i> | | | Mortuary Archaeology: PR: ANT 2000, or ANT 2100, or ANT 2511 or C.I. Archaeological interpretations of death: basic data collection, skeletal analysis, and comparative study of mortuary ritual - both ancient and modern. <i>Occasional.</i> | | | Human Origins: PR: ANT 2511. The fossil evidence for human evolution from Miocene hominoids through the australopithecines and the earliest members of the genus Homo. <i>Spring.</i> | | |
| ANT 3362 | COS-ANTHRO | 3(3,0) | ANT 4266 | COS-ANTHRO | 3(3,0) | | | |
| Peoples of Southeast Asia: PR: ANT 2000 or C.I. A survey of the peoples of Vietnam, Cambodia, Laos and Thailand from the anthropological perspective. <i>Occasional.</i> | | | Economic Anthropology: Production, Consumption, and Exchange: PR: ANT 2000, ECO 2013, PSY 2012, or SYG 2000. Issues, methods, and concepts of economic anthropology. <i>Occasional.</i> | | | | | |

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| ANT 4702 | COS-ANTHRO | 3(3,0) | ARE 4313 | ED-TLP | 1(1,0) | ARH 2050H | CAH-ART | 3(3,0) |
| Culture, Power and Development: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. Anthropological perspective on origins and contemporary ramifications of underdevelopment and disempowerment in the world system. <i>Occasional.</i> | | | Art in the Elementary School: PR: EDF 2005; 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. <i>Fall, Spring.</i> M&S fee: \$5.00 | | | Honors History of Western Art I: PR: Permission of Honors. Painting, sculpture and architecture from the Prehistoric Era through the Renaissance, with honors content. <i>Occasional.</i> | | |
| ANT 4802 | COS-ANTHRO | 3(3,0) | ARE 4351 | ED-TLP | 3(2,1) | ARH 2051 | CAH-ART | 3(3,0) |
| Ethnographic Field Methods: PR: ANT 2000, ANT 2410, SYG 2000, PSY 2012, or C.I. Procedures and principles of ethnographic research methods. <i>Occasional.</i> | | | 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. <i>Fall, M&S fee: \$5.00</i> | | | History of Western Art II: Painting, sculpture and architecture from the Baroque through the 20th century. <i>Fall, Spring.</i> | | |
| ANT 4824 | COS-ANTHRO | 9(9,0) | ARE 4352 | ED-TLP | 3(2,1) | ARH 2051H | CAH-ART | 3(3,0) |
| Advanced Archaeological Fieldwork: PR: Students admitted only with permission of instructor. Supervised archaeological fieldwork. <i>Spring.</i> | | | Teaching Art in the Secondary School: PR: EDF 4214, and EDG 4323. 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. <i>Spring.</i> M&S fee: \$5.00 | | | 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. <i>Occasional.</i> | | |
| APA 3471 | BA-ACCT | 3(3,0) | ARE 4356 | ED-TLP | 3(3,1) | ARH 2500 | CAH-ART | 3(3,0) |
| Accounting for Engineers: PR: Not open to business majors. General Accounting principles and practice, cost accounting, budgeting, and control techniques. Not usable for BSBA degree credit. <i>Occasional.</i> | | | Teaching Art Appreciation & Criticism in the Classroom: PR: ARH 2050 and ARH 2051. 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. <i>Fall.</i> M&S fee: \$5.00 | | | History of Non-Western Art: Major visual arts in various non-Western cultures. <i>Fall, Spring.</i> | | |
| ARA 1120C | CAH-LANG | 4(3,1) | ARE 4453 | ED-TLP | 3(3,0) | ARH 3454 | CAH-ART | 3(3,0) |
| Elementary Arabic Language and Civilization I: Introduces the student to Arabic language skills. Open only to students with no experience in the language. <i>Fall.</i> | | | Studio Experiences in Art Education: PR: Completion of all Art Education Program Prerequisites or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. <i>Spring.</i> M&S fee: \$5.00 | | | 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. <i>Occasional.</i> | | |
| ARA 1120H | CAH-LANG | 4(4,1) | ARE 4945 | CAH-ART | 12(0,12) | ARH 3471 | CAH-ART | 3(3,0) |
| Honors Elementary Arabic Language and Civilization I: PR: Permission of Honors. Introduction to Arabic language skills. Open only to students with no experience in the language. Honors level content. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| ARA 1121C | CAH-LANG | 4(3,1) | ARE 5251 | ED-TLP | 3(2,1) | ARH 3520 | CAH-ART | 3(3,0) |
| Elementary Arabic Language and Civilization II: PR: ARA 1120C or C.I. Continuation of ARA 1120C. <i>Spring.</i> | | | Art for Exceptionalities: Concepts, principles, and methods of integrating art processes into the education of the physically, emotionally, and mentally handicapped. <i>Occasional.</i> | | | African Art: PR: Junior status, ARH 2050, or C.I. Art objects produced in Africa and African sites; with some consideration of arts of the African Diaspora. <i>Occasional.</i> | | |
| ARA 1121H | CAH-LANG | 4(4,1) | ARE 5255 | ED-TLP | 3(2,1) | ARH 3570 | CAH-ART | 3(3,0) |
| Honors Elementary Arabic Language and Civilization II: PR: Permission of Honors. Continuation of ARA 1120H. Honors level content. <i>Occasional.</i> | | | Arts in Recreation: Art activities and experiences appropriate for use in playground, leisure services, occupational orientation and other recreational areas. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| ARA 2200 | CAH-LANG | 3(3,1) | ARE 5359 | ED-TLP | 4(4,0) | ARH 3610 | CAH-ART | 3(3,0) |
| Intermediate Arabic Language and Civilization I: PR: ARA 1121C or C.I. Development of language skills and cultural knowledge at the intermediate level. <i>Occasional.</i> | | | Teaching Art K-12: PR: Admission to M.A. 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. <i>Occasional.</i> M&S fee: \$5.00 | | | 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. <i>Occasional.</i> | | |
| ARA 2201 | CAH-LANG | 3(3,0) | ARE 5454 | ED-TLP | 3(3,0) | ARH 3631 | CAH-AAS | 3(3,0) |
| Intermediate Arabic II: PR: ARA 2200 (Intermediate Arabic I) or equivalent or C.I. Continuation of ARA 2200 with emphasis on Arabic cultures. <i>Fall, Spring.</i> | | | 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. <i>Spring.</i> M&S fee: \$5.00 | | | African-American Art: PR: ENC 1102 or C.I. Historical survey of art produced by working artists of African heritage and representations of African-American life by these and other artists. <i>Occasional.</i> | | |
| ARE 2011 | ED-CFCS | 3(3,0) | ARE 5648 | ED-TLP | 3(3,0) | ARH 3632H | CAH-ART | 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. <i>Occasional.</i> M&S fee: \$5.00 | | | Contemporary Visual Arts Education: PR: ARE 4443 or C.I. Continued study of current programs and innovations in public school Visual Arts Programs. <i>Occasional.</i> | | | Honors: African American Arts Seminar: PR: Permission of Honors. An exploration of traditional, academic, and contemporary urban African American visual arts. <i>Occasional.</i> | | |
| ARE 3944 | CAH-ART | 3(2,3) | ARH 2050 | CAH-ART | 3(3,0) | ARH 3670 | CAH-ART | 3(3,0) |
| Community Arts Practicum: PR: C.I. A supervised experience for students to facilitate art programming in a variety of community settings. <i>Occasional.</i> | | | History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| ARE 4250 | ED-TLP | 3(3,0) | ARE 4262 | CAH-ART | 3(3,0) | ARH 3673 | CAH-ART | 3(3,0) |
| Art for Exceptionalities: PR: EDG 4323 and at least junior standing or C.I. Concepts, principles, and methods of integrating art processes into the education of students with physical, emotional, and mental disabilities. <i>Occasional.</i> | | | Methods in Art Administration: PR: ARH 3820. Theories and methodologies for designing, implementing and administering art programs for a variety of populations. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| ARE 4262 | CAH-ART | 3(3,0) | ARH 2050 | CAH-ART | 3(3,0) | ARH 3674 | CAH-ART | 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. <i>Occasional.</i> | | | History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance. <i>Occasional.</i> | | | Latin American Popular Visual Culture: PR: ANT 4332 or C.I. Latin American popular culture beyond "fine art," produced in Latin America, the United States, and the Caribbean. <i>Odd Spring.</i> | | |

UCF Courses and Descriptions

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| ARH 3683 | CAH-ART | 3(3,0) | ARH 4892 | CAH-ART | 3(3,0) | ART 2701C | CAH-ART | 3(2,4) |
| 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. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Sculpture: PR: Three semester hours in three-dimensional work, ART 2201C, ART 2203C, ART 2300C, ART 2301C. <i>Odd Fall.</i> M&S fee: \$20.00 | | |
| ARH 3710 | CAH-ART | 3(3,0) | ARH 5897 | CAH-ART | 3(3,0) | ART 2754C | CAH-ART | 3(2,4) |
| 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. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Beginning Ceramics: PR: ART 2201C or C.I. Basic concepts of ceramic design, experience in processes of forming, decorating, glazing, and firing pottery. <i>Fall, Odd Spring.</i> M&S fee: \$35.00 | | |
| ARH 3711 | CAH-ART | 3(3,0) | ART 2130C | CAH-ART | 3(3,0) | ART 2820 | CAH-ART | 3(3,0) |
| History of Photography II: PR: Junior Standing or C.I. History of still photography from the early 20th century to the present. The content of this course is designed for art majors. <i>Occasional.</i> | | | Fibers & Fabrics: Design and production training in surface design, floor loom weaving and fiber sculpture. <i>Occasional.</i> M&S fee: \$5.00 | | | Art as Interface: An overview of art department specializations, and selected historical and theoretical information influencing the art curriculum. Examination of aesthetic characteristics shared by the various disciplines and how knowledge of these data is used by the profession to share information with the community. <i>Fall, Spring.</i> | | |
| ARH 3720 | CAH-ART | 3(3,0) | ART 2160C | ED-TLP | 3(2,3) | ART 2820H | CAH-ART | 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.". <i>Occasional.</i> | | | Metals, Woods, Leathers and Stones: Processes and techniques of production. <i>Occasional.</i> | | | Honors Art as Interface: PR: Consent of Honors. An overview of Art department specializations, and selected historical and theoretical information influencing the art curriculum. Aesthetic characteristics shared among the disciplines and their use by the profession. With Honors content. <i>Occasional.</i> | | |
| ARH 3820 | CAH-ART | 3(3,0) | ART 2201C | CAH-ART | 3(2,4) | ART 3161 | CAH-ART | 3(3,0) |
| Visual Arts Administration Vitas: PR: Junior Standing or C.I. Grant applications; Personnel; copyright laws; museum practices, etc. <i>Occasional.</i> | | | Design Fundamentals-Two Dimensional: PR: ART 2820. Priority given to students whose major requires this course. Materials, processes, form. Emphasis on two-dimensional design problems, including problems in black and white and basic color theory. <i>Fall, Spring.</i> M&S fee: \$15.00 | | | Mixed Media: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Concepts and techniques involving the creation of art objects by integrating painting, sculpture, drawing, design, and art history. <i>Occasional.</i> | | |
| ARH 4170 | CAH-ART | 3(3,0) | ART 2201H | CAH-ART | 3(2,4) | ART 3170C | CAH-ART | 3(2,4) |
| Greek & Roman Art: PR: ARH 2050 or HUM 3431 and ENC 1102 or C.I. A study of the art and architecture of the ancient civilizations of the Mediterranean, comprising Greece, Etruria, and Rome. <i>Occasional.</i> | | | Honors Design Fundamentals-Two Dimensional: PR: ART 2820. Priority given to students whose major requires this course. Permission of Honors. Materials, processes, form. Emphasis on two-dimensional design problems, including problems in black and white and basic color theory with Honors content. <i>Occasional.</i> | | | Book Binding: PR: ART 2201C, ART 2203C, and ART 2820. Basic book binding techniques, methods, structures, and production of books. <i>Occasional.</i> | | |
| ARH 4200 | CAH-ART | 3(3,0) | ART 2203C | CAH-ART | 3(2,4) | ART 3171C | CAH-ART | 3(2,4) |
| Medieval Art: PR: ARH 2050 and ARH 2051. Medieval Art from the 6th through 14th centuries, including painting, architecture, sculpture and illuminated manuscripts. <i>Occasional.</i> | | | Design Fundamentals-Three Dimensional: PR: ART 2820 or C.I. Priority given to students whose major requires this course. Basic three-dimensional design using the various sculptural media. <i>Fall, Spring.</i> M&S fee: \$15.00 | | | Materials for Artist Books: PR: ART 2201C, ART 2203C, and ART 3170C. Production of materials used for an artist in the creation of books. <i>Occasional.</i> | | |
| ARH 4310 | CAH-ART | 3(3,0) | ART 2300C | CAH-ART | 3(2,4) | ART 3175C | CAH-ART | 3(2,4) |
| Italian Renaissance Art: PR: ARH 2050 and ARH 2051 or C.I. Italian Art and architecture from 1300 to 1600. <i>Occasional.</i> | | | Drawing Fundamentals I: PR: ART 2820 or C.I. Priority given to students whose major requires this course. Drawing as a means of formal organization. Introduction to problems in drawing methods and media. Emphasis on description techniques. <i>Fall, Spring.</i> M&S fee: \$10.00 | | | Advanced Issues in Contemporary Book Arts: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and ART 3170C. Drawing, printmaking, and painting combined with guided research at the Orlando Museum of Arts culminating in a handbound Visual Book. <i>Occasional.</i> | | |
| ARH 4350 | CAH-ART | 3(3,0) | ART 2300H | CAH-ART | 3(2,4) | ART 3176C | CAH-ART | 3(2,4) |
| Baroque Art: PR: ARH 2050 and ARH 2051 or C.I. A study of European Art in the 17th and 18th centuries. <i>Occasional.</i> | | | Honors Drawing Fundamentals I: PR: ART 2820 and Consent of Honors. Priority given to students whose major requires this course. Drawing as a means of formal organization. Introduction to problems in drawing methods and media. Emphasis on description techniques. With Honors content. <i>Occasional.</i> M&S fee: \$10.00 | | | The Illuminated Book: PR: ART 2201C, ART 2300C, 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. <i>Occasional.</i> | | |
| ARH 4430 | CAH-ART | 3(3,0) | ART 2301C | CAH-ART | 3(2,4) | ART 3332C | CAH-ART | 3(2,4) |
| 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. <i>Occasional.</i> | | | Drawing Fundamentals II: PR: ART 2300C and ART 2820 or C.I. Priority given to students whose major requires this course. Continuation of ART 2300C. <i>Fall, Spring.</i> M&S fee: \$10.00 | | | Intermediate Drawing: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Intermediate problems in drawing, with emphasis on the human form. <i>Fall, Spring.</i> | | |
| ARH 4450 | CAH-ART | 3(3,0) | ART 2394 | CAH-ART | 3(3,0) | ART 3433C | CAH-ART | 3(2,4) |
| 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. <i>Occasional.</i> | | | Drawing: Computer as a Medium: Object drawing, using the computer and drawing stylus as a medium. <i>Occasional.</i> | | | Screenprinting: PR: ART 2201C, ART 2300C, ART 2400C. Techniques of waterbase screenprinting, including digital/photo processes and practical applications of screenprinting as a means for image making. <i>Occasional.</i> | | |
| ARH 4545 | CAH-ART | 3(3,0) | ART 2400C | CAH-ART | 3(2,4) | ART 3504C | CAH-ART | 3(2,4) |
| Art of India: PR: Junior Standing or C.I. Art and architecture of India from prehistoric times through the Gupta, Rajput, and Muslim periods. <i>Occasional.</i> | | | Beginning Printmaking: Basic elements and techniques of printmaking covered. Relief, intaglio, and lithography. Assignments include practical application of printmaking as drawing tool. <i>Occasional.</i> | | | Intermediate Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Reinforces and extends methods and materials content of ART 2500C, and deals with issues of figurative painting. <i>Fall, Even Spring.</i> M&S fee: \$15.00 | | |
| ARH 4655 | CAH-ART | 3(3,0) | ART 2500C | CAH-ART | 3(2,4) | ART 3616C | CAH-ART | 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. <i>Occasional.</i> | | | Beginning Painting: PR: ART 2300C, ART 2201C, or C.I. Methods and materials of the painter. Introduction to the problems in painting. <i>Occasional.</i> M&S fee: \$15.00 | | | 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. <i>Occasional.</i> M&S fee: \$15.00 | | |
| ARH 4800 | CAH-ART | 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. <i>Occasional.</i> | | | | | | | | |

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| ART 3618C CAH-ART 3(3,0) Post-Production Design: PR: Accepted into Animation program. Special effects and compositing for computer animation and film. Focus on the use of After Effects, Premier and Photoshop software. <i>Occasional.</i> | ART 4226C CAH-ART 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. <i>Occasional.</i> | ART 4954 CAH-ART 3(3,0) Scotland Study Abroad: PR: ART 2820, ART 2201C, ART 2301C or C.I. Study abroad in Edinburgh, Scotland. May be repeated for credit. <i>Occasional.</i> |
| ART 3643C CAH-ART 3(2,4) Digital Effects & Compositing: PR: Animation major and FIL 3720C. Special effects and compositing for computer animation and film, focusing on the use of After Effects, Premier and Photoshop or comparable software. <i>Fall, Spring.</i> M&S fee: \$45.00 | ART 4320C CAH-ART 3(2,4) Advanced Drawing: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3332C. May be repeated for credit. <i>Fall, Spring.</i> | ART 4971 CAH-ART 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. <i>Occasional.</i> M&S fee: \$45.00 |
| ART 3737C CAH-ART 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. <i>Occasional.</i> | ART 4402C CAH-ART 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. <i>Even Fall, Spring.</i> M&S fee: \$30.00 | ART 5109C CAH-ART 3(2,4) Multi-Cultural Crafts Design: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, graduate status or senior standing, or C.I. The content of this course will include an appreciation for and the production of Western and Non-Western art forms. <i>Occasional.</i> |
| ART 3760C CAH-ART 3(2,4) Intermediate Ceramics: PR: ART 2201C, ART 2203C, ART 2300C and ART 2301C. Continuation of ceramic processes. <i>Fall, Spring.</i> M&S fee: \$35.00 | ART 4505C CAH-ART 3(2,4) Advanced Painting: 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. <i>Fall, Spring.</i> M&S fee: \$15.00 | ART 5280C CAH-ART 3(3,3) Serial Content & 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. <i>Fall.</i> |
| ART 3764C CAH-ART 3(2,4) Ceramic Handbuilding I: PR: Junior standing. Application of a variety of ceramic handbuilding procedures, including design, glaze application and firing process. <i>Occasional.</i> M&S fee: \$35.00 | ART 4634C CAH-ART 3(3,1) Web Art: PR: ART 2820 or C.I. The Web as a medium for art. <i>Occasional.</i> | ART 5284 CAH-ART 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. <i>Fall.</i> |
| ART 3833C CAH-ART 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. <i>Occasional.</i> | ART 4644C CAH-ART 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. <i>Occasional.</i> | ART 5670C CAH-ART 3(2,4) Digital Illustration: CR: ART 6683C. Methods and media effects usually associated with traditional illustration in a digital platform. <i>Spring.</i> |
| ART 3833C CAH-ART 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. <i>Occasional.</i> | ART 4710C CAH-ART 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. <i>Fall, Spring.</i> M&S fee: \$30.00 | ART 5694 CAH-ART 3(3,0) Crosscultural Electronic Art & 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 "ars electronica" into the present. <i>Spring.</i> |
| ART 3950 CAH-ART 0(0,0) Portfolio Review: PR: C.I. Review of relevant artistic works in a student's portfolio. Graded S/U. <i>Fall, Spring.</i> | ART 4765C CAH-ART 3(2,4) Ceramic Handbuilding II: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2754C, and a satisfactory portfolio review or C.I. Technical skills in manipulating form, function, volume, color and surface texture. <i>Occasional.</i> M&S fee: \$35.00 | ART 5695 CAH-ART 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 Web sites. Projects will be determined at the outset of each semester. <i>Spring.</i> |
| ART 4132C CAH-ART 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. <i>Occasional.</i> M&S fee: \$5.00 | ART 4780C CAH-ART 3(2,4) Kiln Design and Building: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3760C, 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. <i>Occasional.</i> M&S fee: \$35.00 | ART 5696 CAH-ART 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. <i>Spring.</i> |
| ART 4172C CAH-ART 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. <i>Occasional.</i> | ART 4783C CAH-ART 3(2,4) Advanced Ceramics: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3760C, and a satisfactory portfolio review or C.I. Advanced problems in the ceramic process. May be repeated for credit. <i>Fall, Spring.</i> M&S fee: \$34.99 | ART 5698 CAH-ART 3(3,0) Concourse I: PR: ART 5910 and ART 5280C and ART 5694, or C.I. Digital reproduction of studio works. <i>Fall.</i> M&S fee: \$45.00 |
| ART 4173C CAH-ART 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. <i>Occasional.</i> M&S fee: \$25.00 | ART 4786C CAH-ART 3(2,4) Ceramic Raw Material: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3760C, and a satisfactory portfolio review or C.I. An in-depth understanding of the singular and diverse properties of clay and glaze materials. <i>Occasional.</i> M&S fee: \$35.00 | ART 5745 CAH-ART 3(3,0) Physical and Virtual Sculpture: PR: Acceptance to MFA in Studio Art and the Computer or C.I. A course exploring historical (tactile) and contemporary (virtual) approaches to the creation of 3D sculptural objects. <i>Occasional.</i> |
| ART 4174C CAH-ART 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. <i>Occasional.</i> | ART 4935 CAH-ART 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. <i>Spring.</i> M&S fee: \$15.00 | ART 5811C CAH-ART 3(3,1) The Professional Practice of Art: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C- (no graduate level prerequisite), graduate status or senior standing, or C.I. Seminar class on political information pertaining to professional practices in the art world. Overview of inventory processing, accounting, and the marketing of art. <i>Fall.</i> M&S fee: \$15.00 |
| ART 4177C CAH-ART 3(2,4) Commercial Book Design and Publishing: PR: ART 2820 and Junior standing or C.I. Analysis of art and design elements and their interpretation from a historical perspective. <i>Occasional.</i> | ART 4945 CAH-ART 6(0,6) C.R.E.A.T. Project: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, FIL 4735C, and a satisfactory portfolio review or C.I. A practicum in which specialists from Art, Film, Computer Science and other humanities design and develop a project in partnership with industry. <i>Occasional.</i> | ART 5910 CAH-ART 3(3,0) Studio Concentration I: PR: Admission to MFA. Course is the primary for production of work in studio. Students will meet periodically with faculty to discuss progress. Professor will meet with the whole class periodically in order to facilitate a group critique of work completed. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> M&S fee: \$45.00 |

UCF Courses and Descriptions

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| ART 5934 | CAH-ART | 3(3,0) | ASL 4161C | HPA-COM SC&DIS | 4(3,1) | AST 4142 | COS-PHYS | 3(3,0) |
| Concepts of Contemporary Art: PR: Graduate standing or C.I. Current issues in contemporary international art. Graded S/U. <i>Occasional.</i> | | | American Sign Language III: PR: ASL 2150. Conversation. Emphasis on refining fluency receptively and expressively. Practicum with the deaf community. <i>Occasional.</i> | | | Asteroids, Comets, and Meteorites: PR: AST 2002 or AST 3211. Asteroids, comets, and meteorites and their role in the origin and evolution of our solar system. <i>Occasional.</i> | | |
| ART 5941 | CAH-ART | 1(1,0) | ASL 4201 | HPA-COM SC&DIS | 4(4,0) | AST 4501 | COS-PHYS | 3(3,0) |
| 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. <i>Occasional.</i> | | | American Sign Language IV: PR: ASL 4161C or consent of instructor. Advanced study in complex grammar, facial expression, metaphorical and idiomatic vocabulary, emphasizing production of non-voiced, conversational, spontaneous signed sentences, "reading" signed phrases and sentences. <i>Occasional.</i> | | | Celestial Mechanics: PR: PHY 2048, AST 2002. The orbital motions of celestial bodies, including orbit calculation, perturbation theory, and Hohmann transfer orbits. <i>Occasional.</i> | | |
| ASH 3222 | CAH-HIST | 3(3,0) | ASL 4301 | HPA-COM SC&DIS | 3(3,0) | AST 4762 | COS-PHYS | 3(3,0) |
| Islam and Its Empires: PR: Junior standing or C.I. History of the Middle East and North Africa from the birth of Islam to the 16th century. <i>Occasional.</i> | | | Structure of American Sign Language: PR: ASL 2140 and ASL 2150 or C.I. Study of phonologic, syntactic, semantic, and discourse structure of ASL, including an emphasis on the biological basis of language and communication. <i>Occasional.</i> | | | Astronomical Data Analysis: PR: MAC 2313, and an upper level course in astronomy or planetary science, or C.I. Astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. <i>Odd Fall.</i> | | |
| ASH 3223 | CAH-HIST | 3(3,0) | ASL 4435 | HPA-COM SC&DIS | 3(3,0) | AST 5165 | COS-PHYS | 3(3,0) |
| The Modern Middle East: PR: Junior standing or C.I. History of the Middle East and North Africa from the 16th century to the present. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Planetary Atmospheres: PR: Mechanics PHY 3220 and Modern Physics 3101, graduate status or senior standing, or C.I. This course will examine the physical and chemical processes that govern the behavior of the atmosphere of Earth and the other planets. <i>Occasional.</i> | | |
| ASH 4304 | CAH-HIST | 3(3,0) | ASL 4700 | HPA-COM SC&DIS | 3(3,0) | AST 5765 | COS-PHYS | 3(3,0) |
| Women in China: PR: AMH 2010 and AMH 2020, or EUH 2000 and EUH 2001, or WOH 2012 and WOH 2022. Historical changes and continuities in experiences of Chinese women during the traditional period, the modern era and contemporary times. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Advanced Astronomical Data Analysis: PR: MAC 2313, a 3000-level or higher course in astronomy or planetary science, or C.I. Advanced astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. <i>Occasional.</i> | | |
| ASH 4402 | CAH-HIST | 3(3,0) | AST 2002 | COS-PHYS | 3(3,0) | BCH 4053 | COS-CHEM | 3(3,0) |
| History of Chinese Civilization: PR: EUH 2000 and EUH 2001, or WOH 2012 and WOH 2022. Chinese history from its pre-historical genesis until the 18th century. <i>Occasional.</i> | | | Astronomy: PR: High school algebra or MAC 1105. Descriptive survey of solar system, galaxies and universe; physical properties of stars, H-R diagram, stellar evolution, black holes, neutron stars. <i>Fall, Spring.</i> | | | Biochemistry I: PR: CHM 2211. A consideration of proteins, carbohydrates, nucleic acids, enzymes and their effect on biochemical systems, and inter-relationship of intermediary metabolism. <i>Fall, Spring.</i> | | |
| ASH 4404 | CAH-HIST | 3(3,0) | AST 2002H | COS-PHYS | 3(3,0) | BCH 4053H | COS-CHEM | 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. <i>Occasional.</i> | | | Honors Astronomy: PR: Permission of Honors. Descriptive survey of solar system, galaxies and universe; physical properties of stars, H-R diagram, stellar evolution, black holes, neutron stars. Honors level content. <i>Occasional.</i> | | | Honors Biochemistry I: PR: CHM 2211 and consent of Honors. Proteins, carbohydrates, nucleic acids, enzymes and their effect on biochemical systems, and inter-relationship of intermediary metabolism. With Honors content. <i>Occasional.</i> | | |
| ASH 4442 | CAH-HIST | 3(3,0) | AST 2002L | COS-PHYS | 1(0,3) | BCH 4054 | COS-CHEM | 3(3,0) |
| Modern Japan, 19th and 20th Centuries: PR: EUH 2000 and 2001 or C.I. A survey of the Tokugawa Shogunate; Western contact in the 19th century; World War I; Japanese militarism; World War II; and U.S. occupation. <i>Occasional.</i> | | | Astronomy Lab: CR: AST 2002. Laboratory experiments covering selected topics in astronomy related to AST 2002. <i>Occasional.</i> M&S fee: \$9.00 | | | Biochemistry II: PR: BCH 4053. Continuation of BCH 4053. <i>Spring.</i> | | |
| ASH 5227 | CAH-HIST | 3(3,0) | AST 2720L | COS-PHYS | 1(0,2) | BCH 4103L | COS-CHEM | 2(0,6) |
| The Arab-Israeli Conflict: PR: Graduate status or senior standing or C.I. This course examines the history of the Arab-Israeli conflict, placing particular emphasis on its origins in 19th century imperialism and Zionism. <i>Occasional.</i> | | | Astronomy Techniques: PR: AST 2002. Introduction to basic astronomical equipment, observing/recording techniques, safety issues, and security practices needed during Public Viewing Nights at the Robinson Observatory. <i>Fall, Spring.</i> | | | Biochemical Methods: PR: BCH 4053. A laboratory course stressing the application of the chemical arts to the separation, identification, and quantification of materials of biological significance. <i>Spring.</i> M&S fee: \$45.00 | | |
| ASH 5408 | CAH-HIST | 3(3,0) | AST 3110 | COS-PHYS | 3(3,0) | BME 5572 | ECS-ECE | 3(3,0) |
| Colloquium in Modern China: PR: Graduate status or senior standing or C.I. Course explores works of scholarship in modern China including the rise of Communism, Chinese women and Sino-American relations. <i>Occasional.</i> | | | Solar System Astronomy: PR: AST 2002, PHY 2053C. Interdisciplinary approach to the dynamics of the Solar System through application of Physics, Atmospheric Science, Chemistry and Geology. <i>Even Fall.</i> | | | Biomedical Nanotechnology: PR: EEE 3350 or C.I. Human Physiology, Bioelectric Phenomena and Neurons, Nanoelectronics for fabrication of biochips for human biomedical applications, self-assembly, bioelectronics, moral and ethical issues. <i>Occasional.</i> | | |
| ASL 2140 | HPA-COM SC&DIS | 4(4,0) | AST 3211 | COS-PHYS | 3(3,0) | BOT 3018C | COS-BIOL | 3(1,2) |
| Introduction to American Sign Language: Development of ASL vocabulary and grammar. Deaf culture, literature, research examined. <i>Fall, Spring.</i> | | | Stellar Astrophysics: PR: AST 2002, PHY 2053C. The physics and dynamics of stars, including star formation and stellar evolution. <i>Occasional.</i> | | | Culinary Botany Across the Cultures: PR: BOT 3800, Junior standing, or C.I. Cultural food traditions and the connections between plants, people and health; examines the preparation methods that enhance the nutritional values. <i>Occasional.</i> M&S fee: \$9.50 | | |
| ASL 2150 | HPA-COM SC&DIS | 4(4,0) | AST 3402 | COS-PHYS | 3(3,0) | BOT 3152C | COS-BIOL | 3(1,4) |
| Intermediate American Sign Language: PR: ASL 2140. Expansion of ASL vocabulary with increased development of knowledge concerning Deaf culture. <i>Fall, Spring.</i> | | | Galaxies and Cosmology: PR: AST 2002, PHY 2053C. Study of the different types of galaxies, their evolution, their relationship to active galaxies and quasars, and the evolution of the universe. <i>Odd Fall.</i> | | | Local Flora: PR: BSC 2010C and BSC 2011C, or C.I. Recognition and identification of Florida higher plants, especially those common to central Florida, stressing environmental and ethnobotanical significance. Weekend field trips may be required. <i>Occasional.</i> | | |
| ASL 2510 | HPA-COM SC&DIS | 3(3,0) | AST 3722C | COS-PHYS | 3(3,0) | | | |
| Issues of Deafness: PR: C.I. The impact of deafness on individual, family and social problems in the deaf community and culture, including historical and changing attitudes toward persons and disabilities. <i>Occasional.</i> | | | Techniques of Observational Astronomy: PR: AST 2002, PHY 2048. Fundamental principles and techniques used in planning, reducing, and analyzing modern astronomical observations. Numerical treatment of photometry, spectroscopy, and CCD images. <i>Even Spring.</i> | | | | | |
| ASL 3444 | HPA-COM SC&DIS | 3(3,0) | | | | | | |
| Introduction to Signed English and Culture of the Deaf: Vocabulary and grammar through introductory level. Conceptual basis of ASL discussed. <i>Occasional.</i> | | | | | | | | |

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| BOT 3800 | COS-BIOL | 3(3,0) | BSC 1050H | COS-BIOL | 3(1,4) | BSC 4312C | COS-BIOL | 4(3,3) |
| Ethnobotany: PR: BSC 2011C or C.I. Historical and modern uses of plants economically important in various cultures. <i>Spring.</i> | | | Biology and Environment-Honors: PR: Permission of Honors. Biological implications of the interaction among human society, population, and technology in relation to the environment and natural systems. Field trips required. Designed for Honors non-majors. <i>Occasional.</i> | | | Marine Biology: PR: PCB 3044 and STA 2023. The biological, ecological, physical and chemical aspects of the world's oceans. <i>Even Spring.</i> M&S fee: \$45.00 | | |
| BOT 3820C | COS-BIOL | 3(2,1) | BSC 1050L | COS-BIOL | 1(0,2) | BSC 4422L | COS-BIOL | 1-4(0,3-12) |
| Plants and the Urban Environment: PR: Junior standing or C.I. The selection, placement, propagation and care of ornamental plants in residential and industrial areas. For non-majors only. <i>Occasional.</i> M&S fee: \$15.00 | | | Biology and Environment Laboratory: CR: BSC 1050. The laboratory to accompany BSC 1050. <i>Occasional.</i> M&S fee: \$15.00 | | | 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. May be repeated for credit, up to a maximum of 4 credits total. Graded S/U. <i>Occasional.</i> | | |
| BOT 4156C | COS-BIOL | 4(2,6) | BSC 2010C | COS-BIOL | 4(3,2) | BSC 4454 | COS-BIOL | 2(0,2) |
| Florida Wildflowers: PR: BSC 2010C, BSC 2011C, BOT 4303C, or C.I. The biology of wildflowers of Florida, their identification, taxonomy, distribution, flowering times, and roles played in the environment and welfare of man. <i>Occasional.</i> M&S fee: \$15.00 | | | Biology I: 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. <i>Fall, Spring.</i> M&S fee: \$15.00 | | | Research in Animal Physiology: PR: PCB 4723. Development of research skills in animal physiology through hands-on experimental design, data collection, use of data analysis software, and communication of results. <i>Occasional.</i> | | |
| BOT 4223C | COS-BIOL | 4(3,3) | BSC 2010H | COS-BIOL | 4(3,3) | BSC 4937 | COS-BIOL | 2(0,2) |
| Plant Anatomy: PR: BSC 2010C and BSC 2011C, or C.I. A study of development, structure and function of the principal organs and tissue of vascular plants. <i>Occasional.</i> M&S fee: \$15.00 | | | General Biology Honors: PR: Permission of Honors. Priority given to students whose major requires this course. Basic principles and unifying concepts of modern biology. Introduction to quantitative experimentation using intensive, open-ended labs. <i>Fall, Spring.</i> M&S fee: \$24.00 | | | Instructional Experiences in Undergraduate Biology: PR: PCB 3063, Biology major with 80 semester hours and 3.0 gpa. Preparation of undergraduate students to more effectively learn biological concepts by facilitating learning in variety of university biology labs. May be repeated for credit. Graded S/U. <i>Fall, Spring.</i> | | |
| BOT 4303C | COS-BIOL | 5(3,6) | BSC 2011C | COS-BIOL | 4(3,3) | BSC 5258L | COS-BIOL | 3(0,3) |
| Plant Kingdom: PR: BSC 2010C and BSC 2011C, or C.I. A survey of the plant kingdom utilizing comparative morphology, structure and functions to demonstrate relationships among extant and extinct forms. <i>Occasional.</i> M&S fee: \$40.00 | | | Biology II: PR: BSC 2010C or C.I. Open only to students whose major requires this specific 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. <i>Fall, Spring.</i> M&S fee: \$20.00 | | | Tropical Biology Research and Conservation: PR: Graduate standing 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. <i>Occasional.</i> | | |
| BOT 4503 | COS-BIOL | 3(3,0) | BSC 2011H | COS-BIOL | 4(2,6) | BSC 5408L | COS-BIOL | 3(0,9) |
| Plant Physiology: PR: PCB 3023 or C.I. A Study of mechanisms used by plants to cope with the environment. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | 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. <i>Occasional.</i> M&S fee: \$15.00 | | |
| BOT 4503L | COS-BIOL | 1(0,3) | BSC 2420 | COM-M&M | 3(3,0) | BSC 5418 | COM-M&M | 3(3,0) |
| Plant Physiology laboratory: CR: BOT 4503. The laboratory to accompany BOT 4503. <i>Occasional.</i> M&S fee: \$15.00 | | | Principles of Biotechnology: Principles, applications, laws, ethics and impact on society of biotechnology in agriculture, medicine, forestry, environment, computers/industrial/chemical engineering and business management. <i>Occasional.</i> | | | 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 - bio-material interactions. <i>Occasional.</i> | | |
| BOT 4686C | COS-BIOL | 4(3,3) | BSC 3403C | COM-M&M | 4(3,4) | BSC 5817 | COS-BIOL | 3(3,0) |
| 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. <i>Occasional.</i> | | | Quantitative Biological Methods: PR: BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents modern methods and instrumentation used in quantitative biological experimentation. <i>Fall, Spring.</i> M&S fee: \$25.00 | | | Biology for AP Teachers: PR: Graduate status or senior standing or C.I. Participants will perform and evaluate the 12 required labs, analyze the design and grading of the Exam, and develop a representative program. <i>Occasional.</i> | | |
| BOT 4713C | COS-BIOL | 5(3,6) | BSC 3404H | COM-M&M | 4(3,4) | BSC 5821 | COS-BIOL | 4(4,0) |
| Plant Taxonomy: PR: BSC 2010C and BSC 2011C, or C.I. Systematic classification and identification of vascular plants, with emphasis on the flora of peninsular Florida. <i>Occasional.</i> M&S fee: \$45.00 | | | 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. <i>Fall.</i> | | | Biogeography: PR: Graduate standing or C.I. Study of geographic variation in nature, ranging from past to present and from genes to ecosystems. <i>Occasional.</i> M&S fee: \$15.00 | | |
| BOT 5485C | COS-BIOL | 3(2,3) | BSC 3424 | COM-M&M | 3(3,0) | BTE 4410 | ED-TLP | 3(3,0) |
| Terrestrial Cryptogams: PR: BOT 4303C, graduate status or senior standing, or C.I. A lecture-laboratory survey course on the biodiversity and classification of terrestrial-cryptogams (bryophytes, ferns, and fern allies) with special emphasis on those found in Florida. <i>Occasional.</i> M&S fee: \$15.00 | | | Nanobiotechnology: PR: MCB 1310, and either CHM 2046 or PHY 2054C. Biological processes in nano scale interactions with elements of physics & engineering. <i>Occasional.</i> | | | Course Construction in Business Education: PR: EVT 3365 or C.I. An overview and examination of business curriculum and methodology integrated into the vocational frameworks. Planning and preparation of materials, managing the laboratory and involvement in vocational student organizations. <i>Occasional.</i> | | |
| BSC 1005 | COS-BIOL | 3(3,0) | BSC 3949 | COS-BIOL | 0(0,8) | BUL 3130 | BA-ACCT | 4(4,0) |
| Biological Principles: A study of various biological factors which affect the health and survival of man in modern society. Designed for non-majors. <i>Fall, Spring.</i> | | | Cooperative Education in Biology: PR: Departmental permission required before registering. Cooperative education experience in biology. Graded S/U. May be repeated for credit. <i>Occasional.</i> | | | Legal and Ethical Environment of Business: PR: Junior standing and business major or minor. Analysis of the law as a dynamic social and political institution in the business environment, including contract law, torts, and ethical consideration. <i>Fall, Spring.</i> | | |
| BSC 1005H | COS-BIOL | 3(3,0) | BSC 4101 | COS-BIOL | 3(3,0) | BUL 3130H | BA-ACCT | 4(4,0) |
| Biological Principles-Honors: PR: Permission of Honors. Biological factors that affect dependence on the environment: the role of human population preserving ecological integrity. <i>Occasional.</i> | | | History of Biology: PR: BSC 2010C, BSC 2011C and 8 hours in biology or C.I. People and events involved in the development of major biological concepts and disciplines. Suitable for majors and non-majors. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| BSC 1005L | COS-BIOL | 1(0,2) | | | | | | |
| Biological Principles Laboratory: CR: BSC 1005. The laboratory to accompany BSC 1005. <i>Fall, Spring.</i> 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. <i>Occasional.</i> | | | | | | | | |

UCF Courses and Descriptions

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|---|---------|--------|---|-----------|--------|---|-----------|--------|
| BUL 4540 | BA-MAN | 3(3,0) | CAP 5510 | ECS-CS | 3(3,0) | CCE 5036 | ECS-CEE | 3(3,0) |
| Employment Law: PR: Management major or minor, MAN 3025, CR: MAN 3301. An examination of current employment law and issues/trends in the legal environment impacting human resource management system design, HRM policy and employee relations. <i>Fall, Spring.</i> | | | Bioinformatics: PR: Background in programming language or molecular biology. This course introduces problems, concepts, algorithms, and applications in Bioinformatics. It covers essential topics such as sequence alignment and prediction of gene and protein structure. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| BUL 5332 | BA-ACCT | 3(3,0) | CAP 5512 | ECS-CS | 3(3,0) | CCE 5205 | ECS-CEE | 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. <i>Fall, Spring.</i> | | | Evolutionary Computation: This course covers the field of evolutionary computation, focusing on the theory and application of genetic algorithms. <i>Spring.</i> | | | Construction Methods: PR: post-bas status or C.I. This class covers construction project evaluation principles along with construction methods for civil and structural systems. <i>Occasional.</i> | | |
| BUL 5810 | BA-ACCT | 3(3,0) | CAP 5610 | ECS-CS | 3(3,0) | CCE 5406 | ECS-CEE | 3(3,0) |
| Legal and Social Environment of Business: PR: Admission to graduate program. Analysis of the legal and ethical environment of business, the effects of legislation and regulation on business activity, and the role of law and ethics in the decision-making process. <i>Occasional.</i> | | | Machine Learning: PR: CAP 4630 or C.I. Origin/evaluation of machine intelligence; machine learning concepts and their applications in problem solving, planning and "expert systems;" symbolic role of human and computers. <i>Occasional.</i> | | | Construction Equipment and Productivity: PR: C.I. Selection of appropriate equipment based on operational parameters. Principles of construction productivity measurement and analysis Discrete event simulation. <i>Occasional.</i> | | |
| CAP 4053 | ECS-CS | 3(3,0) | CAP 5636 | ECS-CS | 3(3,0) | CCE 5815 | ECS-CEE | 4(4,0) |
| AI for Game Programming: PR: CS Foundation Exam or EEL 4851C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. <i>Spring.</i> | | | Advanced Artificial Intelligence: PR: CAP 4630. AI theory of knowledge representation, "expert systems," memory organization, problem solving, learning, planning, vision, and natural language. <i>Fall.</i> | | | Mechanical and Electrical Systems for Buildings: PR: C.I. This course covers the design and construction of mechanical and electrical systems for buildings Research paper required. <i>Occasional.</i> | | |
| CAP 4104 | ECS-CS | 3(3,0) | CAP 5725 | ECS-CS | 3(3,0) | CCJ 3014 | HPA-CJ/LS | 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. <i>Fall.</i> | | | Computer Graphics I: Architecture of graphics processors; display hardware; principles of programming and display software; problems and applications of graphic systems. <i>Spring.</i> | | | Crime in America: A survey of crime and criminality in the United States, with emphasis on crime data, its weaknesses, and types of criminal behavior. <i>Fall, Spring.</i> | | |
| CAP 4453 | ECS-CS | 3(3,0) | CBH 3003 | COS-PSYCH | 3(3,0) | CCJ 3024 | HPA-CJ/LS | 3(3,0) |
| Robot Vision: PR: COP 3503C and MAC 2312, or C.I. Perspective and orthographic projections; the processing of edges, regions, motion, shading, texture, object detection, recognition, and machine learning. <i>Fall, Spring.</i> | | | Comparative Psychology: PR: PSY 2012. A study of comparative behaviors of lower animals. <i>Occasional.</i> | | | Criminal Justice System: An examination of the components and of their interdependence in light of their traditional autonomy. <i>Fall, Spring.</i> | | |
| CAP 4630 | ECS-CS | 3(3,0) | CCE 4003 | ECS-CEE | 3(3,0) | CCJ 3058 | HPA-CJ/LS | 3(3,0) |
| Artificial Intelligence: PR: COP 3503C and COT 3960. Current methods in AI: knowledge-based systems, representation, inference, planning, natural language. Programming in Lisp or Prolog required. <i>Fall.</i> | | | Introduction to the Construction Industry: PR: EGN 3613, ENV 3001, EGN 3310 with a grade of "C" or better. Project delivery systems, construction contracts: estimating and scheduling; ethics and labor issues. Multi-disciplinary experience in engineering. <i>Fall.</i> | | | Origins of Criminal Justice: PR: CCJ 3024. Study of criminal justice system evolution . Focus on developments contributing to the institutions and practices of the American criminal justice system. <i>Occasional.</i> | | |
| CAP 4720 | ECS-CS | 3(3,0) | CCE 4004 | ECS-CEE | 3(3,0) | CCJ 3450 | HPA-CJ/LS | 3(3,0) |
| Computer Graphics: PR: COP 3503C and COT 3960 and MAC 2147 or equivalent. Math for computer graphics, visibility and shading, graphics and data structure, curves and surfaces, commodity graphics hardware, and graphics API. <i>Occasional.</i> | | | Construction Methods: PR: CES 4100C. Construction methods for civil and structural systems, design of temporary structures, safety, and building codes. <i>Spring.</i> | | | The Criminal Justice Manager: PR: CCJ 3024 or C.I. Elements of first-line supervision and executive development. Administrative leadership: its nature; methods, and traits. Recent theories and research in leadership. <i>Occasional.</i> | | |
| CAP 5015 | ECS-CS | 3(3,0) | CCE 4034 | ECS-CEE | 3(3,0) | CCJ 3451 | HPA-CJ/LS | 3(3,0) |
| Multimedia Compression on the Internet: PR: seniors and graduate students with interest in internet technology. Multimedia data: internet technology; entropy; compression methods; lossy compression; vector quantization; transform coding; wavelet video compression; model based compression. <i>Occasional.</i> | | | Construction Estimating and Scheduling: PR: CCE 4003. Construction project estimating and bidding and the preparation of construction schedules, followed by in-depth coverage of time and cost control, and risk management. <i>Fall.</i> | | | 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. <i>Occasional.</i> | | |
| CAP 5055 | ECS-CS | 3(3,0) | CCE 4402 | ECS-CEE | 3(3,0) | CCJ 3483 | HPA-CJ/LS | 4(4,0) |
| AI for Game Programming: PR: CS Foundation Exam or EEL 4851C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. <i>Spring.</i> | | | Construction Equipment and Productivity: PR: CCE 4003, CWR 3201. Selection of appropriate equipment based on operational parameters, principles of construction productivity measurement and analysis, process design, and discrete event simulation. <i>Spring.</i> | | | 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. <i>Occasional.</i> | | |
| CAP 5415 | ECS-CS | 3(3,0) | CCE 4810C | ECS-CEE | 3(2,2) | CCJ 3520H | HPA-CJ/LS | 3(3,0) |
| Computer Vision: PR: COP 3503C, MAC 2312 and COT 3960. Image formation, binary vision, region growing and edge detection, shape representation, dynamic scene analysis, texture, stereo and range images, and knowledge representation. <i>Fall.</i> | | | Construction Design Project: PR: Senior Standing, CCE 4034, and CCE 4004. The preparation and development of a proposal and plan for a construction project, including construction engineering systems, site facilities, construction methods, coordination, leadership, and control. <i>Spring.</i> | | | Honors Juvenile Offenders: An Integrative Perspective: PR: Permission of Honors. To provide students with an integrative understanding of the social, psychological, and legal dynamics evident in processing juvenile offenders. <i>Occasional.</i> | | |
| CAP 5419 | ECS-CS | 3(3,0) | CCE 4813 | ECS-CEE | 4(4,0) | CCJ 3667 | HPA-CJ/LS | 3(3,0) |
| 3D Computer Vision: PR: C.I. 2D/3D Projective Geometry, Projective Transformation Estimation, Camera Calibration, Single View Modeling, Bi-focal Modeling, Fundamental Matrix, Stratified Structure, Homography, Tri-focal Tensor, Auto-Calibration, Cheirality. <i>Occasional.</i> | | | Mechanical and Electrical Systems for Buildings: PR: CCE 4003, PHY 2049/L, CWR 3201. Design and construction of mechanical and electrical systems for buildings. <i>Fall.</i> | | | Victims and the CJ System: PR: CCJ 3024. Course examines Victims as they affect the Criminal Justice system, the dimensions of criminal victimization, and victim offender programs. <i>Occasional.</i> | | |
| | | | CCE 5006 | ECS-CEE | 3(3,0) | CCJ 4035 | HPA-CJ/LS | 3(3,0) |
| | | | Introduction to Construction Industry: PR: post-bac status or C.I. This course introduces students to the construction industry. Topics include project evaluation, project phases, project delivery systems, contracts, estimating and schedule drawing and specifications. Research paper required. <i>Occasional.</i> | | | 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. <i>Fall, Spring.</i> | | |

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| <p>CCJ 4076 HPA-CJ/LS 3(3,0) Crime Analysis II: PR: CJE 4654, CJE 4663. Designed to provide advanced data analysis skills that will enable a crime analysis sophisticated methodologies to crime analysis. <i>Occasional.</i></p> | <p>CCJ 4661 HPA-CJ/LS 3(3,0) Terrorism: PR: CCJ 3024 and CJE 4014 or C.I. An examination of competing ideologies of a variety of social and political conflicts (both international and domestic) that give rise to terrorism and of the implications for the criminal justice system. <i>Occasional.</i></p> | <p>CCJ 5617 HPA-CJ/LS 3(3,0) Mental Disorder, Crime, and Criminal Justice: PR: CCJ 5456, CCJ 5015, or C.I. An overview of the relationship between mental disorder, crime, and the criminal justice system. <i>Occasional.</i></p> |
| <p>CCJ 4195 HPA-CJ/LS 3(3,0) Interviews & Interrogations in CJ: PR: CCJ 3024 (Criminal Justice System) and CJ Major or C.I. The criminal justice interview process including history of criminal justice interviews, the use of Miranda, non-verbal listening, and the rules of testimonial evidence. <i>Fall, Spring.</i></p> | <p>CCJ 4670 HPA-CJ/LS 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. <i>Occasional.</i></p> | <p>CCJ 5675 HPA-CJ/LS 3(3,0) Human Rights & Criminal Justice: PR: Senior scholar or graduate standing or C.I. Provides in-depth analysis of the human rights movement and its potential impact upon criminal law as well as the juvenile and criminal justice systems. <i>Occasional.</i></p> |
| <p>CCJ 4296 HPA-CJ/LS 3(3,0) Famous Crimes & Trials: PR: CCJ 3014 or CCJ 3024 or consent of instructor. A detailed examination of selected famous American crimes and trials since 1900. <i>Occasional.</i></p> | <p>CCJ 4681 HPA-CJ/LS 3(3,0) Domestic Violence and the Justice System: PR: CCJ 3024. Study of the nature and causes of forms of domestic violence, pertaining to laws, prevention strategies, and justice system response. <i>Occasional.</i></p> | <p>CCJ 5931 HPA-CJ/LS 3(3,0) Contemporary Criminal Justice Strategies: PR: Graduate standing or C.I. Graduate level analysis of contemporary crime issues and the reactions of the criminal justice system to combat those crimes at both the national and international levels. May be used in the degree program a maximum of 3 times. <i>Occasional.</i></p> |
| <p>CCJ 4361 HPA-CJ/LS 3(3,0) Death Penalty: PR: CCJ 3024. This course provides students an opportunity to analyze and discuss complex issues surrounding the death penalty and the criminal justice system. <i>Occasional.</i></p> | <p>CCJ 4690 HPA-CJ/LS 3(3,0) Sex Offenders and the Criminal Justice System: PR: CCJ 3024 or C.I. Provides students a better understanding of how the criminal justice system deals with sex offenders and their offenses. <i>Fall, Spring.</i></p> | <p>CCJ 5934 HPA-CJ/LS 1(1,0) Criminal Justice Investigative Process: PR: Graduate standing or C.I. Advanced seminar providing students with a broad view of how criminal justice investigative processes operate. Focuses on the roles and responsibilities of agents as investigators. May be used in the degree program a maximum of 4 times. <i>Occasional.</i></p> |
| <p>CCJ 4454 HPA-CJ/LS 3(3,0) Policy Development in Law Enforcement: PR: CJE 4014. The course is designed to deal with policy development in law enforcement. Major issues of organization, administration, personnel practices and police operations will be addressed. <i>Occasional.</i></p> | <p>CCJ 4701 HPA-CJ/LS 3(3,0) Research Methods in Criminal Justice: Overview of the social science research methodology used in criminal justice, covers the major forms of research designs used by social science and evaluates their strengths and weaknesses. <i>Fall, Spring.</i></p> | <p>CDA 3103 ECS-CS 3(3,0) Computer Organization: PR: COP 3223. Logic design, computer arithmetic, Instruction Set Architecture (MIPS, SPIM simulator), performance, data path, control unit, memory hierarchy, I/O interface. <i>Fall, Spring.</i></p> |
| <p>CCJ 4459 HPA-CJ/LS 3(3,0) Justice Agency Operations: PR: CCJ 3024 and CCJ 3450 or C.I. Elements, functions, and processes essential to the continuing management of various criminal justice agencies, institutions and court systems. <i>Occasional.</i></p> | <p>CCJ 4934 HPA-CJ/LS 1-3(1-3,0) Emergent Criminal Justice Issues: PR: CCJ 3014, CCJ 3024 or C.I. Developing trends and issues in criminal justice facing administrators, practitioners, and researchers. May be repeated for credit. <i>Occasional.</i></p> | <p>CDA 4150C ECS-CS 4(3,1) Computer Architecture: PR: COP 3402 and CDA 3103C. Basic processor design, hardwired and microprogrammed control, ALU, memory organization, pipelining, I/O and computer arithmetic. <i>Fall, Spring.</i></p> |
| <p>CCJ 4463 HPA-CJ/LS 3(3,0) Cultural Diversity in Criminal Justice: PR: CCJ 3024. This course focuses on the problems and issues associated with race, ethnic and gender relations in the administration of justice in a democratic society. <i>Occasional.</i></p> | <p>CCJ 5015 HPA-CJ/LS 3(3,0) The Nature of Crime: PR: Admission to Criminal Justice Master's Program or C.I. This course provides an overview of major dimensions of crime in the U.S.; epidemiology of crime, costs of crime, and typologies of crime and criminals. <i>Occasional.</i></p> | <p>CDA 4150H ECS-CS 4(3,1) Honors Computer Architecture: PR: Consent of Honors and COP 3402 and CDA 3103C. Basic processor design, hardwired and microprogrammed control, ALU, memory organization, pipelining, I/O and computer arithmetic. With Honors level content. <i>Occasional.</i></p> |
| <p>CCJ 4484 HPA-CJ/LS 3(3,0) Liability Issues in Criminal Justice: PR: CCJ 3024. Student of fundamental concepts found in civil law with an emphasis on civil liability regarding criminal justice practices. <i>Occasional.</i></p> | <p>CCJ 5040 HPA-CJ/LS 6(6,0) International Perspectives on Law and Justice: PR: C.I. or graduate standing. Examination of the legal and criminal justice systems of other nations and territories through lecture, seminar, research and field visits. <i>Occasional.</i></p> | <p>CDA 5106 ECS-CS 3(3,0) Advanced Computer Architecture I: PR: CDA 4150C. Instruction set architectures, processor implementation, memory hierarchy, pipelining, computer arithmetic, vector processing, and I/O. <i>Fall, Spring.</i></p> |
| <p>CCJ 4486 HPA-CJ/LS 3(3,0) Criminal Justice Ethics: Focuses on the ethical issues and problems commonly encountered in the criminal justice system (policy courts and corrections). <i>Occasional.</i></p> | <p>CCJ 5073 HPA-CJ/LS 3(3,0) Data Management Systems for Crime Analysis: PR: graduate standing or C.I. This course is designed to provide the conceptual basis, understanding, and skills necessary for complex crime data manipulation. <i>Fall.</i></p> | <p>CDA 5110 ECS-CS 3(3,0) Parallel Architecture and Algorithms: PR: COT 4210, CDA 5106. General-purpose vs. special-purpose parallel computers; arrays, message-passing; shared-memory; Taxonomy; parallelization techniques; communication synchronization and granularity; parallel data structures; automatic program restructuring. <i>Occasional.</i></p> |
| <p>CCJ 4616 HPA-CJ/LS 3(3,0) Criminal Profiling in Criminal Justice: PR: CCJ 3014 or C.I. Examines criminal profiling undertaken by law enforcement and prosecution authorities which consists of gathering, reviewing and analyzing evidence pertaining to violent crimes. <i>Occasional.</i></p> | <p>CCJ 5105 HPA-CJ/LS 3(3,0) Foundations of Law Enforcement: PR: C.I. Examines police role in modern society and law enforcement policy. <i>Occasional.</i></p> | <p>CDA 5215 ECS-CS 3(3,0) Architecture and Design of VLSI: PR: CDA 4150C or equivalent. Overview of VLSI technology. Logical design of basic subsystems; integrated system design tools; design of a VLSI computer system. <i>Occasional.</i></p> |
| <p>CCJ 4641 HPA-CJ/LS 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. <i>Occasional.</i></p> | <p>CCJ 5406 HPA-CJ/LS 3(3,0) Research and Technology Implementation: Changing roles of social and physical sciences as related to the objectives and administration of public safety agencies. <i>Occasional.</i></p> | <p>CDA 5530 ECS-CS 3(3,0) Performance Models of Computers and Networks: PR: senior standing or beginning graduate student. Performance Models of Computer Systems and Networks using probability models and discrete event simulations. Queuing Theory and modeling tools. <i>Occasional.</i></p> |
| <p>CCJ 4644 HPA-CJ/LS 3(3,0) White Collar Crime: PR: CCJ 3014 and CCJ 3024. Classic definitions and statements on white collar crime concepts, concepts and criminal activities, types of fraud, investigations, environmental crime, and corporate crime. <i>Occasional.</i></p> | <p>CCJ 5456 HPA-CJ/LS 3(3,0) The Administration of Justice: PR: Admission to Criminal Justice Master's Program or C.I. This course provides an overview of the criminal justice system and a critical analysis of formal and informal processing of offenders by criminal justice agencies. <i>Fall, Spring.</i></p> | <p>CDA 5532 ECS-CS 3(3,0) Network-Centric Computing: PR: Graduate standing. Concepts in network-centric computing and process coordination in information grids. <i>Occasional.</i></p> |
| <p>CCJ 4651 HPA-CJ/LS 3(3,0) Drugs and Crime: Focuses on the problems of drugs and drug control in contemporary society. Students will examine the problems of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illicit drug use. <i>Fall, Spring.</i></p> | <p>CCJ 5467 HPA-CJ/LS 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. <i>Occasional.</i></p> | |

UCF Courses and Descriptions

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| CEG 3301 | ECS-CEE | 3(3,0) | CES 4702 | ECS-CEE | 3(3,0) | CET 3323C | ECS-ENT | 4(3,2) |
| Engineering and Environmental Geology: PR: EGN 3310 and CHS 1440 or equivalent. Principles of physical geology, with emphasis on engineering and environmental topics. Study of land forms, geologic maps, geologic structure, weathering, groundwater, mass wasting, and earthquakes. <i>Occasional.</i> | | | Reinforced Concrete Structures: PR: CES 4100C or C.I. Design of RC members using ACI code; beam flexure and shear; compression bending; bond and development; introduction to continuous frames. <i>Spring.</i> | | | Digital Technology: PR: MAC 1105 and C.I. Digital logic gates, memory devices, Karnaugh Maps, combinational logic, arithmetic units, registers and sequential logic. <i>Fall, Spring.</i> | | |
| CEG 4011C | ECS-CEE | 4(3,2) | CES 4709C | ECS-CEE | 3(2,2) | CET 3383 | ECS-ENT | 3(3,0) |
| Geotechnical Engineering I: PR: EGN 3331 and CWR 3201. Engineering properties and classification of soils. Design considerations for compaction, seepage, consolidation, and settlement analysis. <i>Fall, Spring.</i> M&S fee: \$30.00 | | | Concrete Design: PR: CES 4702. Project course on design of concrete structures using concrete and structural analysis methodologies. <i>Fall.</i> M&S fee: \$15.00 | | | Applied Systems Analysis I: PR: CET 2364 or equivalent. Study of system analysis, design, development and implementation cycle. Includes Object Oriented Programming (OOP) to implement system programs. May be repeated for credit. <i>Spring.</i> | | |
| CEG 4801C | ECS-CEE | 3(2,2) | CES 5144 | ECS-CEE | 3(3,0) | CET 3503 | ECS-ENT | 3(3,0) |
| Geotechnical Engineering Design: PR: CEG 4011C. Project course on design of foundations and other soil structures using geotechnical design methodologies. <i>Fall, Spring.</i> M&S fee: \$15.00 | | | Matrix Methods for Structural Analysis: PR: CES 4100C or C.I. Implementation of the matrix methods for structural analysis that are commonly and currently used in practice and in research, special topics such as finite element formulations, special analysis procedures, and use of software packages. <i>Occasional.</i> | | | Microcomputer Technology I: PR: High level programming language. Microcomputer assembly programming, including overview of architecture and operating system environment. <i>Fall.</i> | | |
| CEG 4812 | ECS-CEE | 1(1,0) | CES 5325 | ECS-CEE | 3(3,0) | CET 3529 | ECS-ENT | 3(3,0) |
| Historical Developments in Civil Engineering: Seminar covering major historical developments in civil engineering. <i>Occasional.</i> | | | Bridge Engineering: PR: CES 4605 and CES 4702 or C.I. Bridge engineering fundamentals, design philosophies, analysis and design concepts for concrete and steel bridges, AASHTO specifications, Bridge rating, and introduction to Bridge health monitoring. <i>Occasional.</i> | | | Linux/Unix System Admin and Applications: PR: CET 2364 or equivalent. Installation, creation and maintenance of file systems, backups, and configuration. <i>Fall, Spring.</i> | | |
| CEG 5015 | ECS-CEE | 3(3,0) | CES 5606 | ECS-CEE | 3(3,0) | CET 3752 | ECS-ENT | 3(3,0) |
| Geotechnical Engineering II: PR: CEG 4011C. Continuation of CEG 011C with emphasis on shear strength and design factors for earth pressures, bearing capacity, and slope stability. <i>Occasional.</i> | | | Advanced Steel Structures: PR: CES 4605. 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. <i>Occasional.</i> | | | Intro to Telephony: PR: EET 3085C or equivalent or C.I. An introductory level course in telephony technology. The telephony environment, telemanagement, telephony connectivity and services of telephony. <i>Fall.</i> | | |
| CEG 5700 | ECS-CEE | 3(3,0) | CES 5706 | ECS-CEE | 3(3,0) | CET 4134C | ECS-ENT | 3(2,4) |
| Geo-Environmental Engineering: PR: CEG 4011C. Geotechnical applications to environmental problems, groundwater flow, soil contamination and groundwater contaminate transport, geosynthetics and stability of landfill design, control of contaminated sites. <i>Occasional.</i> | | | Advanced Reinforced Concrete: PR: CES 4702 or C.I. Design of frames, two-way floor systems, shear walls; shear and torsion; compression field theory; inelastic analysis; wind and seismic design; introduction to prestressed concrete. <i>Occasional.</i> | | | Microprocessor Electronics II: PR: Digital Circuits I and CET 2123C. The MC68000 Software architecture programming and hardware architecture are covered in great details. Assembly language programming interfacing and hardware characteristics as well as applications are covered. <i>Occasional.</i> M&S fee: \$45.00 | | |
| CEN 4020 | ECS-CS | 3(3,0) | CES 5821 | ECS-CEE | 3(3,0) | CET 4138C | ECS-ENT | 3(3,2) |
| Component-based Engineering Software: PR: EEL 4851C, EEL 4882. In-depth treatment of component-based software development including analysis design and implementation of correct and reusable software in different component levels. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Digital Programmable Devices: PR: CET 3198C or equivalent and C.I. Architecture and applications of various types of programmable logic devices. Design entry methods, e.g. HDL, schematic capture, etc. Lab exercises using PALS, PLDs, and FPGSS. <i>Occasional.</i> | | |
| CEN 5016 | ECS-CS | 3(3,0) | CET 2123C | ECS-ENT | 3(2,3) | CET 4333 | ECS-ENT | 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. <i>Spring.</i> | | | Microprocessor Electronics I: PR: MAC 1105. Introduction to microprocessors. Includes machine language programming, an introduction to microprocessor-based system architecture, and binary and hexadecimal arithmetic. <i>Occasional.</i> M&S fee: \$5.00 | | | Computer Organization and Design: PR: CET 3323C. Basic computer architecture and system design. An introduction to memory, processor, Bus and I/O organization. <i>Occasional.</i> | | |
| CES 4100C | ECS-CEE | 4(3,3) | CET 2364 | ECS-ENT | 3(3,0) | CET 4334C | ECS-ENT | 3(2,2) |
| Structural Analysis I and Lab: PR: EGN 3331 with a grade of "C" (2.0) or better. Topics in structural mechanics, analysis of determinate and indeterminate structures by flexibility and stiffness methods computer and laboratory exercises on behavior of structures and materials. <i>Fall, Spring.</i> | | | Systems Applications in C/C++: PR: MAC 1105 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. <i>Fall, Spring.</i> | | | Applied Computer Systems II: PR: CET 4333. Continuation of CET 4333. High performance computer architecture. Parallel processing and scalable shared-memory multiprocessing. May be repeated for credit. <i>Occasional.</i> | | |
| CES 4101 | ECS-CEE | 3(3,0) | CET 3010 | ECS-ENT | 3(3,0) | CET 4427 | ECS-ENT | 3(3,0) |
| Matrix Methods for Structural Analysis: PR: CES 4100C or C.I. Introduction to matrix structural analysis, 2D and 3D structural analysis, special topics and modeling techniques, software tools for structural engineers for computer based applications. <i>Occasional.</i> | | | Introduction to Information Technology: PR: MAC 1105. An introduction to IT field, including binary representation, graphics, data compression, information theory, transmission and storage technology, and communications. <i>Fall, Spring.</i> | | | Applied Database I: PR: CET 2364 or equivalent. Design and implementation of data base systems within the concept of central administration, structured data storage. Programming project. May be repeated for credit. <i>Fall, Spring.</i> | | |
| CES 4605 | ECS-CEE | 3(3,0) | CET 3144C | ECS-ENT | 3(2,2) | CET 4429 | ECS-ENT | 3(3,0) |
| Steel Structures: PR: CES 4100C. Design of structural steel members and buildings; emphasis on AISC-ASD building code; introduction to AISC-LRFD building code; tension and compression members, beams, beam-columns, connections. <i>Fall.</i> | | | Applied Microprocessor Technology: PR: DC Circuit Analysis, digital and microprocessor fundamentals, and high level programming language. Analysis and design of the components, architecture, and interfacing of a microcomputer. Specific reference to IBM compatible microcomputers and peripherals. Troubleshooting and repair are emphasized in the laboratory. <i>Occasional.</i> M&S fee: \$10.00 | | | Applied Database II: PR: CET 4427. Continuation of CET 4427. Study of hierarchical database system. Programming project is required. May be repeated for credit. <i>Spring.</i> | | |
| CES 4608C | ECS-CEE | 3(2,2) | CET 3198C | ECS-ENT | 3(3,2) | CET 4469C | ECS-ENT | 3(2,2) |
| Steel Design: PR: CES 4605. Project course on design of steel components, connections, and frame structures using AISC specifications. <i>Spring.</i> M&S fee: \$15.00 | | | Digital Systems: PR: DC Circuits and Digital Circuits 1. Finite State Machines and Algorithmic State Machines, includes design, synthesis and implementation of a digital system using schematic capture and VHDL. <i>Spring.</i> M&S fee: \$12.00 | | | Applied Infobases: PR: ETI 3651C, CET 3144C, CET 3503 or equivalent, C.I. Using computer application packages to create, use, and index both personal and technical infobases. Hardware and software optimization. Enhancement add-ins. Intranet applications. <i>Occasional.</i> | | |

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| CET 4483 | ECS-ENT | 3(3,0) | CET 4889 | ECS-ENT | 3(3,0) | CGS 1060H | ECS-CS | 3(2,2) |
| Intro to Local Area Network Technology: PR: EET 3085C or equivalent or C.I. An introductory level course in local area networks. Topics in data communications, computer networking, local area network technology, topologies, and protocols will be covered. May be repeated for credit. <i>Spring.</i> | | | Security Sensor Technology and Biometrics: PR: CET 4663 or C.I. Biometric identification. Techniques for extracting trait information for individual identification. Topics include multimodal biometrics, performance evaluation, biometric templates and privacy. <i>Spring.</i> | | | Honors Introduction to Computer Science: PR: Permission of Honors. History, number systems, control and data flow, peripheral components, memory devices, effects of computers on society, applications of computers. Not open to Computer Science Majors. <i>Occasional.</i> M&S fee: \$15.00 | | |
| CET 4505 | ECS-ENT | 3(3,0) | CET 4915C | ECS-ENT | 3(1,4) | CGS 2100C | ECS-CS | 3(2,1) |
| Applied Operating Systems I: PR: CET 2364. Modifying the operating systems 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. <i>Fall.</i> | | | Senior Design Project: PR: Computer, Electronics, or Information Systems Engineering Technology senior within 18 semester hours of graduation. Supervised individual or group projects involving project definition, planning, design, development, testing and evaluation. Progress reports and final report are required. <i>Occasional.</i> | | | Computer Fundamentals for Business: Uses of computers and software in business, including business applications, commercial packages, and the internet. Not open to Computer Science majors. <i>Fall, Spring.</i> M&S fee: \$15.00 | | |
| CET 4523 | ECS-ENT | 3(3,0) | CET 4931 | ECS-ENT | 3(3,0) | CGS 2515 | ECS-CS | 3(3,0) |
| Applied Systems Analysis II: PR: CET 3383. Continuation of CET 3383, with emphasis on distributed processing which includes the interfacing of minis, mainframes, software, communications, and data base technology into a responsive information system. <i>Occasional.</i> | | | Current Topics in Technology: PR: C.I. Study of recent state-of-the-art computer related topics from recognized electronics and computer oriented technical journals and texts. Requires written and verbal communication. <i>Occasional.</i> | | | Spreadsheet Concepts: PR: CGS 1060C. Advanced techniques of spreadsheets, charts, macros, objects, database features and data analysis tools. <i>Occasional.</i> | | |
| CET 4583 | ECS-ENT | 3(3,0) | CET 5012 | ECS-ENT | 3(3,0) | CGS 2545C | ECS-CS | 3(2,1) |
| Web Based Systems I: PR: CET 2364. Introduction to web systems with emphasis on server configuration, web standards, and portal design. <i>Occasional.</i> | | | Information and Communications Infrastructure: PR: Graduate standing or C.I. This course provides an overview of information systems in the technology world. Topics include hardware, software, databases and related technologies, and telecommunications systems. <i>Fall.</i> | | | Database Concepts: PR: CGS 1060C or equivalent. Entity-relation model, relational database managements systems, normal forms, performance or databases, report generation. <i>Fall, Spring.</i> | | |
| CET 4584 | ECS-ENT | 3(3,0) | CGN 3501C | ECS-CEE | 3(2,3) | CGS 2585C | ECS-CS | 3(2,1) |
| Web Based Systems II: PR: CET 4583. Advanced web design concentration on use of current technology (CGI, Java, XML, DHTML) to provide interactivity. <i>Fall.</i> | | | Civil Engineering Materials: PR: C.I. The characterization of materials used in civil engineering works to include concrete, soils, bituminous, polymers and composite materials. <i>Occasional.</i> | | | Desktop/Internet Publishing: PR: CGS 1060C or equivalent. Principles and techniques of page layout and formatting for documents and newsletters, presentation techniques, construction of web pages and design of integrated Web sites. <i>Occasional.</i> | | |
| CET 4663 | ECS-ENT | 3(3,0) | CGN 4300 | ECS-CEE | 3(3,0) | CGS 3175 | ECS-CS | 3(3,0) |
| Computer and Network Security: PR: CET 2364, MAC 1105. Fundamentals of computer security technology, including cryptography, authentication, digital signatures, and network security tools and applications. <i>Fall.</i> | | | Civil Engineering Systems: PR: EGN 3613; MAC 2313; STA 3032. Mathematical techniques commonly associated with operations research and economics which are applicable to the planning, design, and operation of civil engineering systems. <i>Occasional.</i> | | | Internet Applications: PR: CGS 1060C. HTML coding, using images, sound and animation, advanced text formatting, forms and CGS scripts, introduction to javascript. <i>Fall, Spring.</i> | | |
| CET 4668 | ECS-ENT | 3(3,0) | CGN 4600 | ECS-CEE | 3(3,0) | CGS 3269 | ECS-CS | 3(3,0) |
| Practice of Information Security: PR: CET 4663. Practice of Information Security including technical security issues, legal issues, physical and operational security, and security architecture and models. <i>Occasional.</i> | | | Public Works Engineering: PR: ENV 3001 and CWR 3201. An overview of planning, design, operation and maintenance of public works, with emphasis on water and wastewater treatment plants. May be repeated for credit. <i>Occasional.</i> | | | Computer Architecture Concepts: PR: CGS 1060C. CPU organization, current computer architectures, network file servers. <i>Fall, Spring.</i> | | |
| CET 4711L | ECS-CS | 3(0,3) | CGN 4808C | ECS-CEE | 3(2,2) | CGS 3763 | ECS-CS | 3(3,0) |
| Computer Networking Laboratory: PR: C.I. Laboratory exercises to enhance the understanding of concepts/principles discussed in computer networking and data communication texts. <i>Occasional.</i> | | | Civil Engineering Capstone Design: PR: one of the following courses - TTE 4601C, CES 4608C, CWR 4812C, ENV 4562C, CEG 4801C, or CES 4608C. An interdisciplinary capstone design experience requiring problem definition, data collection, analysis of alternatives, economic evaluation of alternatives, and oral and written presentation of final design. <i>Occasional.</i> | | | Operating System Concepts: PR: CGS 1060C. System calls, concept of processes, CPU scheduling, security issues, client server paradigms, and computer supported workgroups. <i>Occasional.</i> | | |
| CET 4748 | ECS-ENT | 3(3,0) | CGN 5320C | ECS-CEE | 3(2,2) | CGS 4144 | ECS-CS | 3(3,0) |
| Wide Area Networks I: PR: CET 3752 or CET 4483, or C.I. Designing Wide Area Networks; determining requirements, designing the networks, structure, choosing appropriate technologies, and evaluating results. <i>Fall.</i> | | | Geographic Information systems: Programming theory and application of Geographic Information Systems to Civil Engineering projects. <i>Occasional.</i> | | | Introduction to Informatics: PR: CGS 3175 and HIM 3006. Computers and mechanical intelligence. The information society. Social and information networks. Technology and its applications. Information organization and structure. Human behavior and communication. <i>Spring.</i> | | |
| CET 4749 | ECS-ENT | 3(3,0) | CGN 5504C | ECS-CEE | 3(2,2) | CGS 5131 | ECS-CS | 3(3,0) |
| Wide Area Networks II: PR: CET 4748. Traffic and cost generators. Access network design. Multi-speed access designs. Multilocal-access and mesh network design. <i>Spring.</i> | | | Civil Engineering Materials: PR: EGN 3365, EGN 3331, or C.I. Structure, properties, and applications of materials used in civil engineering including concrete, steel, asphalt, wood, soils, and composite materials. <i>Occasional.</i> | | | Computer Forensics I: Seizure and Examination of Computer Systems: PR: Computer literacy and C.I. Legal issues regarding seizure and chain of custody. Technical issues in acquiring computer evidence. Popular file systems are examined. Reporting issues in the legal system. <i>Fall.</i> | | |
| CET 4882 | ECS-ENT | 3(3,0) | CGN 5506C | ECS-CEE | 3(2,2) | CGS 5132 | ECS-CS | 3(3,0) |
| Network Defense Strategies: PR: CET 4663. Secure implementation and use of preventative controls when designing network architectures. Tools covered include firewalls, routers, and other components. <i>Occasional.</i> | | | Asphalt Concrete Mix Design: PR: CEG 4011C. Properties of asphalt, aggregate and asphalt mixtures, Marshall mix design, Hveem mix design, pavement rehabilitation. <i>Occasional.</i> | | | Computer Forensics II: Network Security, Intrusion Detection, & Forensic Analysis: PR: CGS 5131. Computer network protocols and security, network intrusion detection and prevention, digital evidence collection and evaluation, and legal issues involved in network forensics analysis. <i>Spring.</i> | | |
| CET 4884 | ECS-ENT | 3(3,0) | CGS 1060C | ECS-CS | 3(2,2) | CHI 1120C | CAH-LANG | 4(3,1) |
| Security Methods and Practice: PR: CET 4663, CET 4483 or C.I. Computer networks, secure telecommunications networks, disaster recovery, and the legal issues of security practices. <i>Spring.</i> | | | Introduction to Computer Science: History, typical computer, number systems, control and data flow, peripheral components, memory devices, effects of computers on society, applications of computers. Not open to Computer Science Majors. <i>Fall, Spring.</i> M&S fee: \$15.00 | | | Elementary Chinese Language and Civilization I: Designed to initiate the student to the major language skills: listening, speaking, reading and writing. <i>Fall.</i> | | |
| CET 4885 | ECS-ENT | 3(3,0) | | | | | | |
| Investigative Digital Technology: PR: CET 4884. Security administration including vulnerability analysis, procedures and tools for security assessment. <i>Fall.</i> | | | | | | | | |

UCF Courses and Descriptions

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| <p>CHI 1120H CAH-LANG 4(4,0) Honors Elementary Chinese Language and Civilization I: PR: Permission of Honors. Introduces the student to Chinese culture through the major language skills: Listening, speaking, reading and writing. Open only to students with no experience in the language. Honors level content. <i>Occasional.</i></p> | <p>CHM 2046 COS-CHEM 3(3,0) Chemistry Fundamentals II: PR: "C" grade or better in CHM 2045C or CHM 2041C. Continuation of CHM 2045C or the CHM 2040C & CHM 2041C sequence. <i>Fall, Spring.</i></p> | <p>CHM 3422 COS-CHEM 3(3,0) Applied Physical Chemistry: PR: PHY 2049 and PHY 2049L and MAC 2312. Physical chemistry as applied to the study of biological and forensic science. <i>Fall.</i></p> |
| <p>CHI 1121C CAH-LANG 4(3,1) Elementary Chinese Language and Civilization II: PR: CHI 1120C or equivalent. Continuation of CHI 1120C. <i>Spring.</i></p> | <p>CHM 2046H COS-CHEM 4(3,3) Honors Chemistry Fundamentals II: PR: CHM 2045H and permission of Honors. Same as CHM 2046 and CHM 2046L with honors-level content. <i>Spring.</i> M&S fee: \$35.00</p> | <p>CHM 4130 COS-CHEM 3(3,0) Advanced Analytical Laboratory Technique: PR: CHM 2211, CHM 3120 (with a minimum grade of "C" or 2.0) and CR:CHM 3411 or PR:CHM 3422. Modern methods of analysis including electrochemistry, spectroscopy, and separation techniques. <i>Spring.</i></p> |
| <p>CHI 1121H CAH-LANG 4(4,0) Honors Elementary Chinese Language and Civilization II: PR: Permission of Honors. Continuation of CHI 1121H. <i>Occasional.</i></p> | <p>CHM 2046L COS-CHEM 1(0,3) Chemistry Fundamentals Laboratory: CR: CHM 2046. Illustration of chemical principles and introduction to the techniques of inorganic and physical chemistry. <i>Fall, Spring.</i> M&S fee: \$45.00</p> | <p>CHM 4130L COS-CHEM 2(0,6) Advanced Analytical Chemistry Laboratory: PR: or CR: CHM 4130. This course focus on the experimental exercise of instrumental methods of analysis. Successful students will develop practical skills performing experiments based on spectroscopic and chromatographic methods of analysis. Statistical data treatment of experimental results will be also exercised. <i>Spring.</i> M&S fee: \$25.00</p> |
| <p>CHI 2200 CAH-LANG 3(3,0) Intermediate Chinese I: PR: CHI 1121C or equivalent or C.I. Development of Chinese language skills at the intermediate level. <i>Fall, Spring.</i></p> | <p>CHM 2205 COS-CHEM 5(5,0) Introduction to Organic and Biochemistry: PR: CHM 1032 or equivalent. An introduction to organic chemistry, stressing the chemistry of functional groups and a survey of the biochemistry of proteins, carbohydrates, lipids, and nucleic acids. <i>Spring.</i></p> | <p>CHM 4220 COS-CHEM 3(3,0) Organic Chemistry III: PR: CHM 2211 or its equivalent. Organic reaction mechanisms and retrosynthetic analysis and their application to synthetic chemistry. <i>Occasional.</i></p> |
| <p>CHI 2201 CAH-LANG 3(3,0) Intermediate Chinese II: PR: CHI 2200 (Intermediate Chinese I). Continuation of CHI 2200 with emphasis on Chinese cultures. <i>Fall, Spring.</i></p> | <p>CHM 2210 COS-CHEM 3(3,0) Organic Chemistry I: PR: CHM 2046. Theory and applications of organic chemistry: structure, bonding, kinetics, thermodynamics, reaction mechanisms, synthesis, and stereochemistry. Structure elucidation via spectrometric techniques. <i>Fall, Spring.</i></p> | <p>CHM 4610 COS-CHEM 3(3,0) Inorganic Chemistry: CR: CHM 3411. A discussion of descriptive inorganic chemistry based on various bonding theories, thermodynamics, and kinetics. <i>Spring.</i></p> |
| <p>CHM 1020 COS-CHEM 3(3,0) Concepts in Chemistry: PR: High school Algebra. Concepts will be examined to provide insight into the significant role that chemistry plays in our culture. Intended as a general education course. <i>Fall, Spring.</i></p> | <p>CHM 2211 COS-CHEM 3(3,0) Organic Chemistry II: PR: CHM 2210. Continuation of CHM 2210. <i>Fall, Spring.</i></p> | <p>CHM 4610L COS-CHEM 2(0,6) Inorganic Chemistry Laboratory: PR: CHM 4610. A study of physical and chemical properties and synthetic techniques in Inorganic Chemistry. <i>Fall.</i> M&S fee: \$25.00</p> |
| <p>CHM 1032 COS-CHEM 3(3,0) General Chemistry: PR: MAC 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. <i>Fall, Spring.</i></p> | <p>CHM 2211L COS-CHEM 2(0,6) Organic Laboratory Techniques I: PR: CHM 2210. An introduction to the laboratory techniques of organic chemistry, including the preparation, reaction, and analysis of organic compounds. <i>Fall, Spring.</i> M&S fee: \$45.00</p> | <p>CHM 4914C COS-CHEM 1(1,1) Undergraduate Research Methods: PR: CHM 2211 or C.I. Selection of a research project, instruction in literature searching, seminar preparation, and laboratory techniques beyond the scope of typical chemical laboratories. <i>Fall, Spring.</i></p> |
| <p>CHM 1032L COS-CHEM 1(0,3) 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. <i>Fall, Spring.</i> M&S fee: \$45.00</p> | <p>CHM 3120 COS-CHEM 3(3,0) Analytical Chemistry: PR: CHM 2046, CHM 2046L. Classical and instrumental analysis. Choice of preferred analytical methods and techniques is emphasized through applications involving both inorganic and organic systems. <i>Fall, Spring.</i></p> | <p>CHM 4930 COS-CHEM 1(1,0) Undergraduate Chemistry Seminar: PR: CHM 3411 and CHM 4914C. A topic of current chemical interest will be presented by students at a regularly scheduled departmental seminar. <i>Fall, Spring.</i></p> |
| <p>CHM 2040C COS-CHEM 3(2,1) Chemistry Fundamentals IA: PR: A minimum score of 550 (SAT) or 24 (ACT) in the mathematics section. MAC 1105 recommended. Not open to students with credit in CHM 2045C. Elementary principles of modern chemistry, including units and measures, stoichiometry, energy, chemical calculations, structure and properties of matter, chemical bonding. This course is to be followed by CHM 2041C. The "NC" grading policy applies to this course. <i>Fall.</i></p> | <p>CHM 3120L COS-CHEM 1(0,3) Analytical Chemistry Laboratory: PR: CHM 2046, CHM 2046L, and PR: or CR: CHM 3120. Experimental exercise of quantitative methods of analysis using titrimetric, gravimetric, potentiometric and photometric methods of analysis including statistical treatment of experimental data. <i>Occasional.</i> M&S fee: \$25.00</p> | <p>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. <i>Odd Fall.</i></p> |
| <p>CHM 2041C COS-CHEM 3(2,1) Chemistry Fundamentals IB: PR: CHM 2040C or its equivalent with a grade of C or better. Not open to students with credit in CHM 2045C. The second semester of CHM 2040C. The states of matter, reaction rates and equilibria, acids and bases. The "NC" grading policy applies to this course. <i>Spring.</i></p> | <p>CHM 3212L COS-CHEM 2(0,6) Organic Laboratory Techniques II: PR: CHM 2211 and CHM 2211L. Open-end laboratory to develop synthesis techniques and structure elucidation skills. <i>Fall.</i> M&S fee: \$45.00</p> | <p>CHM 5235 COS-CHEM 3(3,0) Applied Molecular Spectroscopy: PR: CHM 3120 and CHM 2211, and graduate status or senior standing or C.I. Determination of chemical structure through interpretation of UV, IR, NMR and Mass Spectra. <i>Occasional.</i></p> |
| <p>CHM 2045C COS-CHEM 4(3,1) Chemistry Fundamentals I: PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040C and CHM 2041C. Basic physical theory of chemical reactivity, atomic structure, chemical bonding, periodicity, stoichiometry, equilibria, thermodynamics, and kinetics. The "NC" grading policy applies to this course. <i>Fall, Spring.</i> M&S fee: \$25.00</p> | <p>CHM 3410 COS-CHEM 4(3,1) Physical Chemistry I: PR: CHM 2046, PHY 2049, and MAC 2312. Rigorous treatment of atomic and molecular structure, thermodynamics, kinetics, and chemical bonding. <i>Fall.</i></p> | <p>CHM 5305 COS-CHEM 3(3,0) Applied Biological Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. The identification from plants, synthesis, assessment of bioactivity, and design of pharmaceuticals and agrochemicals, as well as the impact of biotechnology in the chemical industry. <i>Occasional.</i></p> |
| <p>CHM 2045H COS-CHEM 4(3,3) Honors Chemistry Fundamentals I: PR: High school chemistry and permission of Honors. Not open to students with credit in both CHM 2040C and CHM 2041C. Same as CHM 2045C with honors-level content. <i>Fall, Spring.</i> M&S fee: \$25.00</p> | <p>CHM 3411 COS-CHEM 3(3,0) Physical Chemistry II: PR: CHM 3410. Continuation of CHM 3410. <i>Spring.</i></p> | <p>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. <i>Even Fall.</i></p> |

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| CHM 5451C | COS-CHEM | 3(1,5) | CHS 3595 | COS-CHEM | 3(3,0) | CHS 5503 | COS-CHEM | 3(3,0) |
| 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. <i>Odd Spring.</i> M&S fee: \$45.00 | | | Forensic Science in the Courtroom: PR: CHS 3501. The special needs of the forensic scientist in preparing for and participating in courtroom proceedings. <i>Spring.</i> | | | Topics in Forensic Science: PR: Graduate status or C.I. Will include the history of Forensic Science and current issues such as Digital Evidence. <i>Occasional.</i> | | |
| CHM 5580 | COS-CHEM | 3(3,0) | CHS 3949 | COS-CHEM | 0(0,8) | CHS 5518 | COS-CHEM | 3(3,0) |
| Advanced Physical Chemistry: CR: CHM 3411 and PR: MAC 2313, and graduate status or senior standing or C.I. Selected topics of thermodynamics, kinetics, quantum mechanics, and structure. <i>Occasional.</i> | | | Cooperative Education in Chemistry: PR: Departmental permission required before registering. Cooperative education experience in chemistry. Graded S/U. May be repeated for credit. <i>Occasional.</i> | | | The Forensic Collection and Examination of Digital Evidence: PR: Adv topics in Forensic Science, graduate status, or C.I. This course will cover the nature of Digital Evidence collection and examination under the constraints of Law and courtroom procedures. <i>Occasional.</i> | | |
| CHM 5715C | COS-CHEM | 3(2,3) | CHS 4200 | COS-CHEM | 3(3,0) | CHS 5596 | COS-CHEM | 3(3,0) |
| Optical Materials Processing and Characterization Techniques: PR: CHM 3411 and CHM 4610 or equivalent. Glasses, crystals and polymeric materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships. <i>Occasional.</i> | | | Concepts in Industrial Chemistry: PR: CHM 3410. An introduction to industrial practices, emphasizing the application of chemical principles in the development of a commercial process or product. <i>Occasional.</i> | | | The Forensic Expert in the Courtroom: PR: CHS 3533C, CHS 6535, CHS 6536, or C.I. A study of the uses of technically and scientifically trained expert witnesses at trial. <i>Spring.</i> | | |
| CHS 1440 | COS-CHEM | 4(3,1) | CHS 4506C | COS-CHEM | 3(2,3) | CIS 3003 | ECS-CS | 3(3,0) |
| Fundamentals of Chemistry for Engineers: PR: One year of high school chemistry or CHM 1032. Basic concepts of chemistry, with emphasis on problem solving and engineering applications. Atomic and molecular structure, states of matter, stoichiometry, equilibria, electrochemistry and thermodynamics. The "NC" grading policy applies to this course. <i>Fall, Spring.</i> | | | Forensic Investigation Technology: PR: A grade of "C" or better in CHS 3511C. Modern technology applied to forensic investigation. <i>Occasional.</i> | | | Fundamentals of Information Technology: PR: CGS 2545C and COP 3223. Pervasive themes in IT. Organizational issues. History of IT. IT and its related and informing disciplines. Application domains. Applications of math and statistics to IT. <i>Fall.</i> | | |
| CHS 3501 | COS-CHEM | 3(3,0) | CHS 4515C | COS-CHEM | 4(2,6) | CIS 3360 | ECS-CS | 3(3,0) |
| Introduction to Forensic Science: PR: 'C' grade or better in CHM 2046 & L, or C.I. Intended for majors and non-majors to provide an overview of the specialty areas in Criminalistics (crime lab). <i>Spring.</i> | | | Forensic Crime Scene Investigation: PR: Grade of 'C' or better in CHM 3120, CHS 3511C, CHS 3530C, CHS 3533C and CHS 4506C. Procedures for the investigation of arson, explosives, and crime scenes. <i>Occasional.</i> | | | Security in Computing: PR: COP 3223 or EGN 3211 or CET 2364. Security theory. Legal and human factors, Malware, Intrusion patterns and tools, Windows, Unix, TCP/IP, and applications vulnerabilities. Detection. Policies and enforcement. Protection and assurance. <i>Occasional.</i> | | |
| CHS 3505C | COS-CHEM | 4(2,6) | CHS 4532 | COS-CHEM | 3(3,0) | CIS 3362 | ECS-CS | 3(3,0) |
| Forensic Microscopy: PR: 'C' grade or better in CHM 2046 & L, PHY 2054C and CHS 3501. The study of the polarized light microscope and its use in the identification and comparison of trace evidence. <i>Fall.</i> M&S fee: \$45.00 | | | Interpretation of DNA Evidence: PR: Grade of "C" or better in CHS 3533C. Concepts and principles of genetic data analysis as applied to forensics. <i>Occasional.</i> | | | Cryptography and Information Security: PR: COP 3223 or EGN 3211 or CET 2364, and MAC 2147 or equivalent. Encryption algorithms and ciphers. Public and private keys. Key infrastructures. Authentication, confidentiality, integrity, and nonrepudiation. Digital signatures and certificates. Hash and digest algorithms. Standards. <i>Occasional.</i> | | |
| CHS 3511C | COS-CHEM | 4(2,6) | CHS 4534C | COS-CHEM | 3(1,6) | CIS 4004 | ECS-CS | 3(3,0) |
| Trace Evidence: PR: 'C' grade or better in CHS 3505C. An advanced study of the techniques used to identify and compare trace evidence. <i>Spring.</i> M&S fee: \$45.00 | | | Forensic Biochemistry II: PR: CHS 3533C and C.I. Advanced treatment of the theoretical and practical aspects of forensic DNA analysis and the use of population genetics and genetic data analysis for evidence interpretation. <i>Spring.</i> M&S fee: \$45.00 | | | Web-Based Information Technology: PR: CNT 3004 and COP 3330. Digital libraries. Media formats. Compression. Streaming Media. Mobile internet and WML. Emerging technologies. Capacity planning for web services. <i>Fall, Spring.</i> | | |
| CHS 3514C | COS-CHEM | 3(2,3) | CHS 4537 | COS-CHEM | 2(2,0) | CIS 4313 | ECS-CS | 3(3,0) |
| Bomb Scene Investigation: PR: Forensic Science major, CHS 3501 or C.I. Procedures for recognizing, collecting, preserving, and analysis of evidence from a post blast bombing crime scene. May be repeated for credit. <i>Occasional.</i> | | | Forensic Laboratory Quality Assurance: PR: Grade of "C" or better in CHS 3501, CHS 3505C, and CHS 3533C. Concepts and principles of quality assurance and quality systems management in forensic laboratories. <i>Odd Fall.</i> | | | Managing IT Integration: PR: CIS 3003. Requirements, acquisition and sourcing. Integration. Project management. Testing and QA. Organizational context. Architecture. <i>Spring.</i> | | |
| CHS 3530C | COS-CHEM | 4(2,6) | CHS 4541C | COS-CHEM | 2(1,3) | CIS 4361 | ECS-CS | 3(3,0) |
| Forensic Analysis of Controlled Substances: PR: 'C' grade or better in CHM 3120, CHM 3410, CHM 2211, CHM 2211L and CHS 3505C. The study of the presumptive tests, isolation, and instrumental techniques used in identification of controlled substances. <i>Fall.</i> M&S fee: \$45.00 | | | Fire and Debris Analysis II: PR: CHS 3540C or C.I. An advanced lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in real fire related evidence. <i>Occasional.</i> | | | Secure Operating Systems and Administration: PR: COP 4600 or EEL 4882 or CET 4505. Understanding of secure operating systems requirements, design principles and theories, protection methods, access control, authentication, vulnerability, analysis and case studies. <i>Occasional.</i> | | |
| CHS 3533 | COS-CHEM | 2(2,0) | CHS 4547C | COS-CHEM | 3(2,3) | CIS 4615 | ECS-CS | 3(3,0) |
| Forensic Biochemistry I: PR: 'C' or better in BSC 2010C, PCB 3063 & L, and PCB 3233 & L. Concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. <i>Fall.</i> M&S fee: \$30.00 | | | Advanced Topics in Trace Analysis: PR: CHS 3511C, CHM 4130C, or C.I. Recovery and analysis of forensic trace evidence. <i>Occasional.</i> M&S fee: \$39.00 | | | Secure Software Development and Assurance: PR: CNT 4703C or equivalent, COP 4331C, CIS 3360, and CIS 3362. Thread modeling, Secure code life-cycle, Buffer overflows, race conditions and format string problems, Inputs and clients, File system, Cryptography applications, UMLsec, Java security and Reverse engineering. <i>Occasional.</i> | | |
| CHS 3533L | COS-CHEM | 1(0,3) | CHS 4591 | COS-CHEM | 4(0,4,0) | CJC 3010 | HPA-CJ/LS | 3(3,0) |
| Forensic Biochemistry I Laboratory: PR: 'C' or better in BSC 2010C, PCB 3063 & L, PCB 3233 & L and PR: or CR: CHS 3533C. Concepts and procedures of contemporary forensic biochemistry. Emphasis on techniques and procedures used in operational crime laboratories in the U.S. <i>Fall.</i> | | | Forensic Science Internship: PR: Senior standing, within 8 hrs. of completion of degree requirements, and 2.5 overall GPA. Credit for full-time work (15 weeks: 600 hours) for a professional forensic laboratory. May be repeated for credit. <i>Occasional.</i> | | | Corrections and Penology: PR: CCJ 3024 or C.I. Theories, structures, and methods of institutional and non-institutional processing and treatment of convicted criminals and juvenile offenders. <i>Fall, Spring.</i> | | |
| CHS 3540C | COS-CHEM | 2(1,3) | CHS 5502 | COS-CHEM | 3(3,0) | CJC 3134 | HPA-CJ/LS | 3(3,0) |
| 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. <i>Occasional.</i> | | | Environmental Chemistry: PR: CHM 2046, senior level in biological, molecular, chemical or engineering sciences, or C.I. Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. <i>Odd Spring.</i> | | | Prisons and jails: PR: CJC 3010. An overview and analysis of issues in institutional corrections, focussing on prison and jail history, inmates, guards, administration and management, and programming. <i>Occasional.</i> | | |

UCF Courses and Descriptions

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| CJC 3164 | HPA-CJ/LS | 3(3,0) | CJJ 4564 | HPA-CJ/LS | 3(3,0) | CLP 3004 | COS-PSYCH | 3(3,0) |
| Community-Based Corrections: PR: CCJ 3024 and CJC 3010 or C.I. An overview and analysis of correction interventions and treatment programs in the community. <i>Occasional.</i> | | | Delinquency Control: PR: CCJ 3024 and CJL 3510 or C.I. Examination of programs and institutions including juvenile court process, intake services, and remedial procedures and practices. <i>Fall, Spring.</i> | | | Behavioral Self Control: PR: PSY 2012. Application of behavioral and biofeedback techniques to self-regulation. <i>Occasional.</i> | | |
| CJC 4410 | HPA-CJ/LS | 3(3,0) | CJL 3110 | HPA-CJ/LS | 3(3,0) | CLP 3143 | COS-PSYCH | 3(3,0) |
| Correctional Interventions in Criminal Justice: PR: CCJ 3014. Intervention techniques used with juvenile and adult offenders in institutional and community-based settings and study of the theoretical foundations. <i>Occasional.</i> | | | Criminal Law in Action: Basic concepts of criminal law: elements of major crimes, criminal responsibility, defenses, and parties to crime. <i>Fall, Spring.</i> | | | Abnormal Psychology: PR: PSY 2012 and PPE 3003. Classification, causation, and treatment of deviant patterns of behavior. <i>Fall, Spring.</i> | | |
| CJC 5020 | HPA-CJ/LS | 3(3,0) | CJL 3510 | HPA-CJ/LS | 3(3,0) | CLP 3143H | COS-PSYCH | 3(3,0) |
| Foundations of Corrections: PR: C.I. Provides an overview of correctional process in U.S., including philosophical foundations and contemporary practices. <i>Occasional.</i> | | | Prosecution and Adjudication: PR: CCJ 3024 or PLA 3013 or C.I. Examination of structures and goals of offices and prosecution and criminal trial courts, and of the processes of charging, adjudicating, and sentencing defendants. <i>Fall, Spring.</i> | | | Honors Abnormal Psychology: PR: PSY 2012 and PPE 3003 and consent of Honors. Classification, causation, and treatment of deviant patterns of behavior. With Honors content. <i>Spring.</i> | | |
| CJE 3001 | HPA-CJ/LS | 3(3,0) | CJL 4010 | HPA-CJ/LS | 3(3,0) | CLP 3184 | COS-PSYCH | 3(3,0) |
| Careers in Criminal Justice: PR: CCJ 3024 or C.I. Introductory course with focus on components of the Criminal Justice process (law enforcement, courts, and corrections) and employment opportunities within the criminal justice system. <i>Fall, Spring.</i> | | | Legal Aspects of Policing: PR: CJE 4014. The legal dimensions of various police decision-making stages; including stops and frisks; arrests; searches and seizures wiretappings; and, interrogations. <i>Occasional.</i> | | | Women's Mental Health: PR: PSY 2012. Social and cultural factors of mental health issues and conditions that are unique to or primarily impact women in the U.S. today. <i>Occasional.</i> | | |
| CJE 3444 | HPA-CJ/LS | 3(3,0) | CJL 4410 | HPA-CJ/LS | 3(3,0) | CLP 3302 | COS-PSYCH | 3(3,0) |
| Crime Prevention: PR: CCJ 3024 or C.I. An overview and analysis of crime prevention strategies used in the private and public sectors. <i>Fall, Spring.</i> | | | Legal Aspects of the Criminal Court Process: PR: CJL 3510. The legal dimension of various criminal court decision making stages, including: bail; charging; preliminary hearing; grand jury; pretrial hearings plea hearings; trial; and, sentencing. <i>Occasional.</i> | | | Clinical Psychology: PR: PPE 3003 and CLP 3143. An overview of approaches to psychopathology, methods of clinical assessment, and various approaches to individual and group counseling. <i>Fall, Spring.</i> | | |
| CJE 3662 | HPA-CJ/LS | 3(3,0) | CJL 4514 | HPA-CJ/LS | 3(3,0) | CLP 3413 | COS-PSYCH | 3(3,0) |
| CJ Information Technology and Data Management: PR: CCJ 3024. Designed to familiarize with concepts of databases, uses, and applicability to crime analysis. <i>Occasional.</i> | | | Criminal Sentencing: PR: CCJ 3024, CJL 3510. Examines the myriad theoretical, empirical and operational issues involved in criminal sentencing policy in American society. <i>Occasional.</i> | | | Contemporary Behavior Therapy: PR: CLP 3143. Emphasis on the underlying principles and the specific intervention procedures which are utilized in contemporary behavior therapy, including treatment strategies for particular behavior disorders. <i>Occasional.</i> | | |
| CJE 4014 | HPA-CJ/LS | 3(3,0) | CJT 3803 | HPA-CJ/LS | 3(3,0) | CLP 3467C | COS-PSYCH | 3(2,2) |
| Police and Society: PR: CCJ 3024 or C.I. An examination of the varied roles of police in contemporary society. Emphasis is on dynamics of police/citizen interactions and the police subculture. <i>Fall, Spring.</i> | | | Security Management: PR: CCJ 3024. Examination of a global security management environment impacted by downsizing a dramatically changing work force, religious extremism/terrorism, technological revolution and other challenges. <i>Occasional.</i> | | | Interpersonal Effectiveness and Group Psychotherapy: PR: PSY 2012. Psychological aspects of interpersonal relationships, the rationale for group therapy, and strategies for enhancing interpersonal skills and personal growth. <i>Occasional.</i> | | |
| CJE 4174 | HPA-CJ/LS | 4(4,0) | CJT 3804 | HPA-CJ/LS | 3(3,0) | CLP 4134 | COS-PSYCH | 3(3,0) |
| Comparative Justice Systems: PR: CCJ 3024 and CJL 3510 or C.I. A survey of contemporary foreign criminal justice and differences emerging from various political, cultural and legal systems. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Childhood Psychopathology: PR: PSY 2012, CLP 3143, DEP 2004, PPE 3003. An in-depth survey of the prevalence, classification, symptoms, diagnosis, consequences, and treatments of disorders of infancy, childhood, and adolescence. <i>Fall, Odd Spring.</i> | | |
| CJE 4410 | HPA-CJ/LS | 3(3,0) | CJT 3819 | HPA-CJ/LS | 3(3,0) | CLP 4314 | COS-PSYCH | 3(3,0) |
| Community Policing: PR: CCJ 3014, CJE 4014. The viability of community policing. The theoretical basis for community interventions are related to the daily operations required by community policing. <i>Occasional.</i> | | | Physical Security: PR: C.J. major or minor or C.I./CCJ 3024. Concepts and procedures for the development, implementation, and management of a physical security program and its application to assets protection. <i>Occasional.</i> | | | Health Psychology: PR: CLP 3143, PSB 3002, PPE 3003. Interactions between psychosocial and physical conditions, in prevention, diagnosis, intervention and health care delivery policy planning. Course will cover empirical phases for prevention, assessment and intervention approaches for these focal areas: cancer, chronic heart disease, diabetes, HIV disease, pain and stress. <i>Occasional.</i> | | |
| CJE 4630 | HPA-CJ/LS | 3(3,0) | CJT 3821 | HPA-CJ/LS | 3(3,0) | CLP 4390 | COS-PSYCH | 3(3,0) |
| Serial Murder and Criminal Justice: PR: CCJ 3014 or C.I. Study of extent, types, and explanations of serial murder, and responses of the general public, law enforcement, and prosecution. <i>Occasional.</i> | | | Practical Security Applications: An examination of basic security principles applied to practical specific security situations encountered in the Central Florida area. <i>Occasional.</i> | | | Forensic Psychology: PR: PSY 2012 and SOP 3751. Clinical practice of psychology within the legal system, including forensic evaluation of competency/insanity, treatment, and criminal profiling. <i>Spring.</i> | | |
| CJE 4654 | HPA-CJ/LS | 3(3,0) | CJT 3842 | HPA-CJ/LS | 3(3,0) | CLP 4402C | COS-PSYCH | 3(2,2) |
| Crime and Place: PR: CCJ 3024. Provides an understanding of how physical environmental features - the natural and built environment - influences crime events. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Psychology of Physical Disability: PR: PSY 2012. Psychological aspects of physical disability and rehabilitation. Psychological adjustment, body-mind relationships, family and societal dynamics relative to therapeutic intervention. <i>Occasional.</i> | | |
| CJE 4663 | HPA-CJ/LS | 3(3,0) | CJT 4100 | HPA-CJ/LS | 3(3,0) | CLP 5166 | COS-PSYCH | 3(3,0) |
| Crime Analysis I: PR: CJE 4654. Provides the essential data analysis skills necessary to effectively analyze crime, understand crime data structures and the problems inherent in crime data. <i>Occasional.</i> | | | Criminal Investigation: PR: CJE 4014. Course acquaints students with basic Procedures used in Criminal investigations, purpose of investigations, and ingredients for successful investigations. <i>Fall, Spring.</i> | | | Advanced Abnormal Psychology: PR: Graduate status or senior standing or C.I. Consideration of classification, causation, management and treatment of emotional disorders. Review of theories and research in the field. Lecture/Laboratory. <i>Occasional.</i> | | |
| CJE 5688 | HPA-CJ/LS | 3(3,0) | CJT 4843 | HPA-CJ/LS | 3(3,0) | | | |
| Cyber Crime and Criminal Justice: PR: CCJ 5015. Deals with the problem of cyber crime and the criminal use of the Internet. Includes investigation, enforcement and legal issues. <i>Occasional.</i> | | | Risk Management in Criminal Justice/Private Security: PR: CJT 3804. This course examines the concept of risk management in a criminal justice context. <i>Occasional.</i> | | | | | |

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| CLP 5187 | COS-PSYCH | 3(3,0) | COM 3011C | COS-COMM | 3(1,2) | COP 3223 | ECS-CS | 3(3,0) |
| Mental Health and Aging: PR: Graduate status or senior standing or C.I. Introduction to assessment and intervention issues, practice and research related to problems with cognitive and emotional functioning among older adults. May be repeated for credit. <i>Occasional.</i> | | | Communication and Human Relations: PR: or CR: COM 3311. Semantics: symbols and meaning and their relationship with human behavior. <i>Fall, Spring.</i> | | | Introduction to Programming with C: Equivalent to EGN 3211. Programming in C including arrays, pointer manipulation and use of standard C math and IO libraries. <i>Fall, Spring.</i> | | |
| CLT 3370 | CAH-PHIL | 3(3,0) | COM 3013 | COS-COMM | 3(3,0) | COP 3330 | ECS-CS | 3(3,0) |
| Classical Mythology: PR: ENC 1102 and either HUM 2210, REL 2300, WOH 2012, or LIT 2110. Myths of the Greeks & Romans studied through excerpts from ancient sources and experienced through works of art, literature, and music. <i>Occasional.</i> | | | Communication and the Family: PR: SPC 1600. The ways members of a family unit interact verbally and nonverbally to influence one another. <i>Even Fall.</i> | | | Object Oriented Programming: PR: COP 3223. Object oriented programming concepts (classes, objects, methods, encapsulating, inheritance, interfaces) and the expression of these concepts in the programming languages such as JAVA. <i>Fall, Spring.</i> | | |
| CLT 3378 | CAH-PHIL | 3(3,0) | COM 3110 | COS-COMM | 3(3,0) | COP 3346 | ECS-CS | 3(3,0) |
| Comparative Mythology: PR: ENC 1102 and either HUM 2230, REL 2300, WOH 2022, LIT 2120, or CLT 3370. Common themes found in the myths of various cultures; theories of their origins, meaning and value in human experience. <i>Occasional.</i> | | | Business and Professional Communication: PR: Majors only, SPC 1600 or C.I. Theoretical and practical training in effective presentational speaking for business and professions. <i>Fall, Spring.</i> | | | Unix Programming: PR: Knowledge of a high level language. Unix file system, shells, shell programming, filters and program development in Unix. <i>Occasional.</i> | | |
| CMC 4240 | COS-R/TV | 3(1,2) | COM 3110H | COS-COMM | 3(3,0) | COP 3402 | ECS-CS | 3(3,0) |
| Corporate/Institutional Video: PR: RTV 3200, RTV 3260C (RTV 3260C may be taken concurrently). Preparation of non-broadcast corporate/institutional video programs including planning, budgeting, production, and evaluation. <i>Occasional.</i> | | | Honors Business and Professional Communication: PR: Majors only, SPC 1600 or C.I. and consent of Honors. Theoretical and practical training in effective presentational speaking for business and professions. With Honors content. <i>Occasional.</i> | | | Systems Software: PR: COP 3502C. Design and development of assemblers, linkers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/O. <i>Fall, Spring.</i> | | |
| CNT 3004 | ECS-CS | 3(3,0) | COM 3120 | COS-COMM | 3(3,0) | COP 3502C | ECS-CS | 3(3,0) |
| Computer Network Concepts: PR: CGS 1060C or equivalent. Network media, protocol, current and evolving standards for local, metropolitan, wide area and wireless networks. <i>Fall, Spring.</i> | | | Organizational Communication: PR: COM 3311. A study of communication functions and problems within the contexts of hierarchies. <i>Fall, Spring.</i> | | | Computer Science I: PR: COP 3223 and MAC 1105. Problem solving techniques, order analysis and notation, abstract data types, and recursion. <i>Fall, Spring.</i> | | |
| CNT 4403 | ECS-CS | 3(3,0) | COM 3311 | COS-COMM | 3(3,0) | COP 3502H | ECS-CS | 3(3,0) |
| Network Security and Privacy: PR: CNT 4703C or equivalent, CIS 3360, CIS 3362, and COP 3503C. Fundamentals of network security, protocols, secure applications, network intrusion detection, security policy, firewalls, and privacy issues. <i>Occasional.</i> | | | Communication Research Methods: PR: STA 2014C. Research methods used in communication. Understanding and interpretation of original research emphasized. <i>Fall, Spring.</i> | | | Honors Computer Science I: PR: Permission of Honors and COP 3223 and MAC 1105. Problem solving techniques, order analysis and notation, abstract data types, and recursion. <i>Occasional.</i> | | |
| CNT 4703C | ECS-CS | 3(1,2) | COM 3330 | COS-COMM | 3(3,0) | COP 3503C | ECS-CS | 4(3,1) |
| Design and Implementation of Computer Communication Networks: PR: COP 3502C, MAD 2104 or COT 3100C. Data communication networking technologies (TCP/IP, Ethernet, Gigabit Ethernet, ATM, Frame Relay), products (routers, switches, adapters, cabling). Base design and detailed configuration including hands-on exercises. <i>Fall, Spring.</i> | | | Computer Mediated Communication: PR: CGS 1060C. Communicating through computers. The foundations and applications of online and interactive multimedia applications, including trends and limitations. <i>Even Spring.</i> | | | Computer Science II: PR: COP 3502C and COT 3100C and (MAD 2104 and COP 3330). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. <i>Fall, Spring.</i> | | |
| CNT 4704 | ECS-CS | 3(3,0) | COM 3332 | COS-COMM | 3(3,0) | COP 3503H | ECS-CS | 4(3,1) |
| Analysis of Computer Communication Networks: PR: COT 3100C, STA 2023, MAC 2312. Network design using layering. Introduces cabling, topology, architecture, hardware and software. Includes performance and control issues such as congestion control, error control, contention resolution. <i>Occasional.</i> | | | Communication, Technology, and Change: PR: SPC 1600. How new technologies influence (and are influenced by) communication in a variety of contexts, including organization and interpersonal settings. <i>Spring.</i> | | | Honors Computer Science II: PR: Permission of Honors and (COP 3502H or COP 3502C) and COP 3330 and (MAD 2104 or COT 3100C). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. With honors content. <i>Fall.</i> | | |
| CNT 4714 | ECS-CS | 3(3,0) | COM 3406 | COS-COMM | 3(3,0) | COP 3530C | ECS-CS | 3(3,0) |
| Enterprise Computing: PR: COP 3330 and COP 3502C. Client-server architecture. Server-side scripting: Servlets, JSP, PHP, JDBC and MySQL database; connectivity. Multi-threaded Java applications. J2EE development. SSL., Event-driven programming. <i>Fall, Spring.</i> | | | Role of Motivation in Communication: PR: COM 3311. Motivation theories that directly affect the process of human communication. <i>Occasional.</i> | | | Computer Science III: PR: COT 3960 Foundation Exam. Algorithm design and analysis for tree, list, set, relational and graph data models; effects of representation on algorithmic complexity. Introduction to parallel implementations. <i>Occasional.</i> | | |
| CNT 5008 | ECS-CS | 3(3,0) | COM 4014 | COS-COMM | 3(3,0) | COP 4020 | ECS-CS | 3(3,0) |
| Computer Communication Networks Architecture: PR: CDA 4150C. Computer networks, layers, protocols and interfaces, local area networks networking. <i>Fall.</i> | | | Gender Issues in Communication: PR: SPC 1600 and Junior Standing. A study of how communication exchanges, both verbal and non-verbal, differ between men and women, and how these differences are manifested. <i>Occasional.</i> | | | Programming Languages I: PR: COP 3503C and COT 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. <i>Fall, Spring.</i> | | |
| COM 1000 | COS-COMM | 3(3,0) | COM 4461 | COS-COMM | 3(3,0) | COP 4331C | ECS-CS | 4(3,1) |
| Introduction to Communication: Basic factors affecting human interaction through communication, theories and models of communication. <i>Fall, Spring.</i> | | | Intercultural Communication: Study of variables affecting messages and participants in intercultural contexts. <i>Fall, Even Spring.</i> | | | Processes for Object-Oriented Software Development: PR: COP 3502C, COP 3330, COT 3960 (Foundation Exam - for Computer Science students). Concepts, principles, processes and methods for developing large software systems featuring a team project using object-oriented design in UML and implementation in C++. <i>Occasional.</i> | | |
| COM 2347C | COS-COMM | 1(1,1) | COM 4462 | COS-COMM | 3(3,0) | COP 4516C | ECS-CS | 3(1,3) |
| Sports Speaking and Interviewing: PR: SPC 1600. Practicum to prepare students to speak in public forums and to participate in interviews with the mass media. Graded S/U. <i>Occasional.</i> | | | Conflict Management: PR: COM 3311. The study of communication in everyday conflicts. <i>Fall, Spring.</i> | | | Problem Solving Techniques and Team Dynamics: PR: COP 3530C. Design and implement solutions to problems requiring the applications of the different algorithms. Team project format. <i>Even Spring.</i> | | |
| | | | COP 2200 | ECS-CS | 3(3,0) | | | |
| | | | Computer Programming: PR: College algebra and trigonometry or equivalent. Problem definitions, algorithms, flow charts, digital computer programming using a higher level language (FORTRAN). Not open to Computer Science Majors. <i>Occasional.</i> | | | | | |
| | | | COP 2500C | ECS-CS | 4(3,1) | | | |
| | | | Concepts in Computer Science: Fundamental concepts in program design, data structures, algorithms, analysis and a survey of topics in CS. Not open to Computer Science majors. <i>Fall, Spring.</i> | | | | | |

UCF Courses and Descriptions

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| <p>COP 4520 ECS-CS 3(3,0) Concepts of Parallel and Distributed Processing: PR: COP 3402 and COP 3503C and COT 3960. Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms. <i>Occasional.</i></p> | <p>COT 3960 ECS-CS 0(1,0) CS Foundation Exam: 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. <i>Fall, Spring.</i></p> | <p>CPO 3132 COS-POLS 3(3,0) Canadian Studies: A multi-disciplinary approach to the study of Canada, its people, culture, government, and economy. <i>Occasional.</i></p> |
| <p>COP 4521 ECS-CS 3(3,0) Projects in Parallel and Distribution Processing: PR: COP 4520. Research and projects related to emerging architectures, computational models, languages and environments for parallel and distributed computation. <i>Occasional.</i></p> | <p>COT 4210 ECS-CS 3(3,0) Discrete Structures II: PR: COP 3503C and COT 3960. Computation Theory. A study of the properties of grammars and automata as formal specifications for algorithms and families of languages. <i>Fall, Spring.</i></p> | <p>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. <i>Even Fall, Spring.</i></p> |
| <p>COP 4600 ECS-CS 3(3,0) Operating Systems: PR: COP 3402 and COP 3503C and COT 3960 for Computer Science students. Function and organization of operating systems, process management, virtual memory, I/O management, and file management. <i>Fall, Spring.</i></p> | <p>COT 4400 ECS-CS 3(3,0) Tools for Algorithm Analysis: PR: COT 3960 and COP 3503C. Tools from discrete and continuous mathematics for analyzing complexity of algorithms. Order notation use and manipulation. <i>Fall, Spring.</i></p> | <p>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. <i>Occasional.</i></p> |
| <p>COP 4610L ECS-CS 3(0,3) Operating Systems Laboratory: PR: COP 3503C. CR: EEL 4882. 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. <i>Fall, Spring.</i></p> | <p>COT 4500 ECS-CS 3(3,0) Numerical Calculus: PR: MAC 2312 and COP 3502C. Numerical methods for finding roots of nonlinear equations, solutions of systems of linear equations, and ordinary differential equations. <i>Occasional.</i></p> | <p>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. <i>Occasional.</i></p> |
| <p>COP 4710 ECS-CS 3(3,0) Database Systems: PR: COP 3503C. Storage and access Structures, database models and languages, related database design, and implementation techniques for database management systems. <i>Fall, Spring.</i></p> | <p>COT 4810 ECS-CS 3(3,0) Topics in Computer Science: PR: COP 3402 and COP 3503C and COT 3960. A range of topics from the field of Computer science; application of oral and written communication skills; social, ethical and moral issues of computing. <i>Fall, Spring.</i></p> | <p>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. <i>Occasional.</i></p> |
| <p>COP 4910 ECS-CS 3(3,0) Frontiers in Information Technology: PR: COP 4610L, CET 4741L. Research into leading edge information technologies that have a high likelihood of affecting the work place in the two to five year time frame. <i>Spring.</i></p> | <p>COT 5310 ECS-CS 3(3,0) Formal Languages and Automata Theory: PR: COP 4020 and COT 4210. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems. LR(K) grammars. <i>Fall, Spring.</i></p> | <p>CPO 4062 COS-POLS 3(3,0) Comparative Judicial Process: Study of courts and judges in cross national context. Focus upon judicial recruitment, decisional patterns, and policy outcomes. <i>Occasional.</i></p> |
| <p>COP 5021 ECS-CS 3(3,0) Program Analysis: PR: COP 4020 and COT 4210. Syntactic and Semantic analysis of programs. Theoretical and practical limitations, attribute evaluation, data flow analysis, program optimization, intermediate representations code generation. Tools to automate analysis. <i>Occasional.</i></p> | <p>COT 5405 ECS-CS 3(3,0) Design and Analysis of Algorithms: PR: COT 4210. Classification of algorithms, e.g., recursive, divide-and-conquer, greedy, etc. Data Structures and algorithm design and performance. Time and space complexity analysis. <i>Fall, Spring.</i></p> | <p>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. <i>Even Fall.</i></p> |
| <p>COP 5537 ECS-CS 3(3,0) Network Optimization: Recent advances in the theory and computational techniques for optimal design and analysis of large networks for computers, communications, transportation, web and other applications. <i>Fall.</i></p> | <p>COT 5507 ECS-CS 3(3,0) Computational Methods/Applications: PR: COT 4500. Computational solution techniques for algebraic equations, ODE and PDE Models of applications selected from science, engineering, applied mathematics, and computer science. <i>Occasional.</i></p> | <p>CPO 4101 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. <i>Spring.</i></p> |
| <p>COP 5611 ECS-CS 3(3,0) Operating Systems Design Principles: PR: COP 4600. Structure and functions of operating systems, process communication techniques, high-level concurrent programming, virtual memory systems, elementary queuing theory, security, distributed systems, case studies. <i>Spring.</i></p> | <p>COT 5510 ECS-CS 3(3,0) Computational Methods/Linear Systems: PR: COT 4500 and MAS 3106. Mathematical models for linear systems, linear programming, the simplex method, integer and mixed-integer programming, introduction to nonlinear optimization and linearization. <i>Occasional.</i></p> | <p>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. <i>Even Spring.</i></p> |
| <p>COP 5711 ECS-CS 3(3,0) Parallel and Distributed Database Systems: PR: COP 4710. Storage manager, implementation techniques for parallel DBMSs, distributed DBMS architectures, distributed database design, query processing, multidatabase systems. <i>Occasional.</i></p> | <p>COT 5520 ECS-CS 3(3,0) Computational Geometry: CR: COT 5405. Geometric searching, point location, convex hulls, proximity problems, Voronoi diagrams, spanning trees, triangulation, intersection arrangement applications. <i>Occasional.</i></p> | <p>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. <i>Even Fall.</i></p> |
| <p>COT 3100C ECS-CS 3(3,1) Introduction to Discrete Structures: PR: MAC 1105, MAC 1114. Logic, sets, functions, relations, combinatorics, graphics, Boolean algebras, finite-state machines, Turing machines, unsolvability, computational complexity. <i>Fall, Spring.</i></p> | <p>CPO 3034 COS-POLS 3(3,0) Politics of Developing Areas: Comparative analysis of theories, problems and politics of development in Third World nations. <i>Even Fall.</i></p> | <p>CPO 4445 COS-POLS 3(3,0) Comparative Political Parties: PR: POS 2041, and Junior standing or C.I. Theories of the formation, structures, organization, and behavior of political parties and political party systems in comparative perspective. <i>Occasional.</i></p> |
| <p>COT 3100H ECS-CS 3(3,0) Honors Introduction to Discrete Structures: PR: Permission of Honors and MAC 1105, MAC 1114. Logic, sets, functions, relations, combinatorics, graphics, Boolean algebras, finite-state machines, Turing machines, unsolvability, computational complexity. <i>Occasional.</i></p> | <p>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. <i>Spring.</i></p> | <p>CPO 4514 COS-POLS 3(3,0) Politics of East Asia: PR: POS 2041 or C.I. Major trends in political, economic, and socio-cultural aspects in the East Asian region. <i>Occasional.</i></p> |
| | <p>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. <i>Odd Spring.</i></p> | <p>CPO 4553 COS-POLS 3(3,0) Politics of Japan: PR: POS 2041 or CPO 3103 or C.I. Evolution of the Japanese political system and how domestic and international politics influence the functioning of the Japanese economy. <i>Fall.</i></p> |
| | | <p>CPO 4643 COS-POLS 3(3,0) Government and Politics of Russia: Study of the origins, institutions, and functioning of the Russian system, including the lingering influence of the old order on domestic and foreign policy. <i>Occasional.</i></p> |

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| CPO 4710 COS-POLS 3(3,0) Women in Comparative Politics: PR: Junior standing or C.I. A cross-national perspective on women and politics; how women behave politically in various political and economic contexts. <i>Occasional.</i> | 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, or C.I. Intensive study of the structural characteristics of English, poetry, metrical systems, rhyme, scansion, and poetic rhetorical devices. <i>Occasional.</i> | CRW 4724 CAH-ENG 3(3,0) The Florida Review: PR: English major and grade of C (2.0) or better required in CRW 3013 and C.I. Hands-on experience with all aspects of Florida Review publishing, editing, and production in conjunction with this national journal. <i>Fall, Spring.</i> |
| CPO 4754 COS-POLS 3(3,0) Comparative Political Institutions: PR: POS 2041, Jr. standing or C.I. The course analyzes major types of political institutions from a comparative perspective including electoral laws, division of power, types of democracy, federalism, and the judiciary. <i>Occasional.</i> | 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, or C.I. Examination of fiction and poetry trends in current literary magazines, identifying editorial policies in publication of contemporary literature. <i>Fall, Spring.</i> | CRW 4804 CAH-ENG 3(3,0) Creative Writing in the Community: PR: Junior standing and CRW 3310 or CRW 3120 or CRW 3211. Teaching creative writing to community groups through service-learning. <i>Occasional.</i> |
| CPO 4784 COS-POLS 3(3,0) Political and Economic Inequality in Comparative Perspective: PR: POS 2041, Jr. standing or C.I. Economic and political inequality and the nature of the link between them across countries with different political and economic institutions. <i>Occasional.</i> | 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, or C.I. Theory and practice of writing scripts for film and TV. <i>Occasional.</i> | CRW 5020 CAH-ENG 3(3,0) Graduate Writing Workshop: PR: Admission to Creative Writing MFA and C.I. Student writers 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. <i>Fall, Odd Spring.</i> |
| CPO 4794 COS-POLS 3(3,0) Indigenous Politics and the Environment: PR: POS 2041 or C.I. Unique environmental politics specific to indigenous peoples around the world. <i>Occasional.</i> | CRW 3950 CAH-ENG 3(3,0) Cypress Dome Editorship: PR: C.I. Responsibility for all aspects of editing <i>The Cypress Dome</i> -UCF's student literary journal. <i>Fall, Spring.</i> | 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 creative writing of given genre (poetry, short fiction, etc). May be repeated for credit only when course content is different. <i>Occasional.</i> |
| CPO 5334 COS-POLS 3(3,0) Contemporary Politics of the Mayan Region: PR: Graduate status or senior standing or C.I. Analysis of issues affecting all peoples living in the contemporary Mayan region of southern Mexico, Belize, Guatemala, and El Salvador. <i>Occasional.</i> | CRW 4014 CAH-ENG 3(3,0) The Writing Life: PR: English major or minor, junior standing, completion of at least one of the following courses: A grade of C (2.0) or better in CRW 3120, CRW 3211, CRW 3310, or CRW 3610, CRW 3013, or C.I. Critical/non-fiction/craft works and fictional works by a series of authors. <i>Occasional.</i> | 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. <i>Occasional.</i> |
| CRW 3010H CAH-ENG 3(3,0) Honors Creative Writing: PR: Honors GEP completion and permission of Honors. Theory and techniques of literary genres with honors level content; practice and critique of original writing by peers and critical reading of established authors. <i>Occasional.</i> | 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 in CRW 3013, or C.I. Close study of style and craft in exemplary works of fiction and creative nonfiction from various time periods. <i>Occasional.</i> | CWR 3201 ECS-CEE 3(3,0) Engineering Fluid Mechanics: PR: MAP 2302, CR: EGN 3321. Fundamentals of fluid mechanics with hydraulic applications: fluid properties, hydrostatics, dimensional analysis, energy, momentum, continuity, and steady flow. <i>Fall, Spring.</i> |
| CRW 3011 CAH-ENG 3(3,0) Creative Writing for Non-Majors: PR: Grade of C (2.0) or better required in ENC 1102. Only open to non-majors. The techniques of literary genres; the practice and critique of original work by peers; critical reading of established authors. Designed for non-majors. Not open to students with credit in CRW 3013. <i>Fall, Spring.</i> | CRW 4122 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 and CRW 3120, or C.I. Intensive writing practice in fiction. Peer critique and group discussion of original manuscripts. May be used in the degree program a maximum of 2 times. <i>Fall, Spring.</i> | CWR 4101C ECS-CEE 3(2,2) Hydrology: PR: STA 3032; CWR 3201. Hydrological cycle, probabilistic forecasting, rainfall excess, meteorology, groundwater, storm-water runoff, flood routing and design applications. <i>Fall, Spring.</i> M&S fee: \$15.00 |
| CRW 3013 CAH-ENG 3(3,0) Creative Writing for English Majors: PR: English major or minor, junior standing, and grade of "C" (2.0) or better required in ENC 1102, or C.I. Literary genres; practice and critique of peer writing; critical reading of established authors. <i>Fall, Spring.</i> | 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 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. <i>Occasional.</i> | CWR 4203C ECS-CEE 3(2,2) Hydraulics: PR: CWR 3201 Continuation of CWR 3201 with emphasis on piping networks, pumps, and hydraulic systems. Laboratories with civil and environmental engineering applications. <i>Fall, Spring.</i> M&S fee: \$20.00 |
| CRW 3120 CAH-ENG 3(3,0) Fiction Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, or C.I. An intermediate level fiction writing workshop for English majors; group analysis and criticism; close reading of contemporary fiction and fiction theory. <i>Fall, Spring.</i> | 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 and CRW 3211, or C.I. Advanced creative nonfiction, through intensive reading, writing, and workshop. The genre draws upon memory, observation, and techniques of fiction, poetry, and journalism. May be repeated for credit. <i>Fall, Spring.</i> | CWR 4812C ECS-CEE 3(2,2) Water Resources Design: PR: CWR 4101C; CWR 4203C. Project course for the design of storm water, potable and sewer transmission systems using local and state regulations. <i>Fall, Spring.</i> M&S fee: \$15.00 |
| 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, or C.I. Writers present original nonfiction writing for class response and individual conferences. Close reading of key works of creative nonfiction with discussion of definitions of the genre. <i>Fall, Spring.</i> | CRW 4320 CAH-ENG 3(3,0) Advanced Poetry Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3310, or C.I. Intensive writing practice in poetry. Peer critique and group discussion of original manuscripts. May be used in the degree program a maximum of 2 times. <i>Fall, Spring.</i> | CWR 5125 ECS-CEE 3(3,0) Groundwater Hydrology: PR: CWR 4203C or equivalent. Theories of groundwater movement, geological factors, analysis and design techniques, etc. Emphasis on practical considerations. <i>Occasional.</i> |
| 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, or C.I. An intermediate level poetry workshop for English majors. Group analysis and criticism; close reading of contemporary poetry and poetic theory. <i>Fall, Spring.</i> | 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 and CRW 3610, or C.I. Intensive practice in writing scripts. Peer critique and group discussion of original manuscripts. May be repeated for credit. <i>Fall, Spring.</i> | CWR 5205 ECS-CEE 3(3,0) Hydraulic Engineering: PR: CWR 4101C and CWR 4203C. Concepts of fluid mechanics and hydrodynamics applied to natural and man-made flow of intent to civil and environmental engineering. <i>Occasional.</i> |
| | | CWR 5515 ECS-CEE 3(3,0) Numerical Methods in Civil & Environmental Engineering: PR: CWR 4101C, CWR 4203C. This course will present intermediate to advanced numerical methods theory and include code development and error assessment, while targeting civil and environmental engineering applications. <i>Occasional.</i> |

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| <p>CWR 5545 ECS-CEE 3(3,0) Water Resources Engineering: PR: CWR 4101C, CWR 4203C. Systems identification and solution to complex water allocation problems, and other hydraulic engineering designs and operations using economic analysis and operations research techniques. <i>Occasional.</i></p> | <p>DAA 3208C CAH-THEA 2(2,1) Ballet III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2201C. Advanced classical ballet technique, including principles, theory, and practice technique. May be repeated for credit. <i>Fall.</i></p> | <p>DIG 2030C CAH-DIG 3(2,2) Digital Video Fundamentals: PR: ENC 1101, MAC 1105; CR: DIG 2000. Introduces concepts and principles of producing and assembling digital video and the tools and techniques of video and sound capture. <i>Fall, Spring.</i></p> |
| <p>DAA 2100C CAH-THEA 2(2,1) Modern Dance I: PR: Theatre major, Dance minor, or department consent. Exploration of form, style, and technique in creative movement. Includes practical class work and history lectures. <i>Spring.</i></p> | <p>DAA 3524C CAH-THEA 2(2,1) Tap Dance III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2521C. Advanced exploration of form, style, and technique of tap dance. May be repeated for credit. <i>Fall.</i></p> | <p>DIG 2109C CAH-DIG 3(2,2) Digital Imaging Fundamentals: PR: ENC 1101, MAC 1105 and a minimum grade of B (3.0) or better in DIG 2000. Introduces concepts and principles of image creation, and the tools and techniques of image capture, creation, manipulation, and integration for design concepts. <i>Fall, Spring.</i></p> |
| <p>DAA 2101C CAH-THEA 2(2,1) Modern Dance II: PR: Theatre major, Dance minor, or department consent., and C (2.0) or better required in DAA 2100C and DAA 2200C. Intermediate exploration of form, style, and technique in creative movement, including practical class work and history lectures. <i>Fall.</i></p> | <p>DAA 3612 CAH-THEA 3(3,0) Dance Improvisation/Composition I: PR: DAA 2100C, Theatre major, Dance minor, or department consent. Theory and practice of dance composition. <i>Spring.</i></p> | <p>DIG 2485 CAH-DIG 3(3,0) Visual Language of the Moving Image: PR: Minimum grade of "B" (3.0) or better in DIG 2000. Conceptual structure and design of visual storytelling. Principles, mechanics, character development, personality of place, exaggeration and effects. <i>Fall, Spring.</i></p> |
| <p>DAA 2200C CAH-THEA 2(2,1) Ballet I: PR: Theatre major, Dance minor, or department consent. Fundamentals of classical ballet; includes practical dance work as well as dance history lectures. <i>Fall.</i></p> | <p>DAA 3645 CAH-THEA 2(0,VAR) Choreography Practicum: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2100C. Student practice in choreographing a concert dance work for public performance. May be used in the degree program a maximum of 5 times. <i>Spring.</i></p> | <p>DIG 2500C CAH-DIG 3(2,2) Fundamentals of Interactive Design: PR: ENC 1101, MAC 1105, and a minimum grade of B (3.0) or better in DIG 2000. Foundations of interactive media including user-interface design. Students combine audio, video, imaging, and animation using industry standard software. <i>Fall, Spring.</i></p> |
| <p>DAA 2201C CAH-THEA 2(2,1) Ballet II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2200C. Intermediate classical ballet technique, including principles, theory, and practice technique. <i>Spring.</i></p> | <p>DAA 3684 CAH-THEA 1(0,VAR) Dance Performance: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2200C. Student performance in a concert dance work. May be repeated for credit. <i>Spring.</i> M&S fee: \$15.00</p> | <p>DIG 2821 CAH-DIG 3(3,0) Creative Digital Media Problem Solving: PR: Minimum grade of "B" (3.0) in DIG 2000. Practical tools to enhance the creative process in the development of new, novel, and useful ideas for digital media. <i>Fall, Spring.</i></p> |
| <p>DAA 2300 ED-CFCS 2(2,0) Ballroom Dance: Instruction in selected ballroom dances (foxtrot, waltz, rumba, swing, samba, cha cha, tango, quick-step) focusing on dance and fitness aspects of ballroom dancing. Graded S/U. May be repeated for credit. <i>Fall, Spring.</i></p> | <p>DAE 3370 ED-CFCS 3(1,2) Dance and Rhythmics: The development of skill proficiency and instructional strategies in rhythmics and dance techniques, and fundamental movement patterns for grades K-12. <i>Occasional.</i></p> | <p>DIG 3001 CAH-DIG 3(3,0) Digital Media Principles: PR: MAC 1105 or MGF 1106. Survey of principles and methods employed in multimedia production, including an examination of content creation tools. Focus on web page construction. <i>Fall, Spring.</i></p> |
| <p>DAA 2351 ED-CFCS 2(2,0) Salsa & Latin Dance: Instruction in salsa and selected other Latin dances (meringue, bachata, cha cha) focusing on Latin dance and fitness aspects of ballroom dancing. Graded S/U. May be repeated for credit. <i>Fall, Spring.</i></p> | <p>DAN 3134 CAH-THEA 3(3,0) Dance History I: PR: DAA 2200C or DAA 2520C or DAA 2570C or DAA 2393C, and Theatre major, Dance minor, or department consent. The roots, trends, and styles of dance from prehistory through the early 20th century. <i>Fall.</i></p> | <p>DIG 3024 CAH-DIG 3(3,0) Digital Cultures & Narrative: PR: DIG 3001 or C.I. Understanding of digital cultures and narrative theories from an interdisciplinary perspective. Examination of the socio-cultural development of digital technologies. <i>Spring.</i></p> |
| <p>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. <i>Occasional.</i></p> | <p>DEP 2004 COS-PSYCH 3(3,0) Developmental Psychology: PR: PSY 2012. The effects of genetic, psychological, maturational, and social factors on behavior throughout the life cycle. <i>Fall, Spring.</i></p> | <p>DIG 3035 CAH-DIG 1(1,0) Digital Media in the Workplace: PR: ENC 1102. Workplace skill preparation for Digital Media Practicum. Fosters lifelong learning strategies and digital portfolio development. May be used in the degree program a maximum of 4 times. <i>Fall, Spring.</i></p> |
| <p>DAA 2520C CAH-THEA 2(2,1) Tap Dance I: PR: Theatre major, Dance minor, or departmental consent. Form, style, and technique in the basic fundamental movements of tap dance. <i>Fall.</i></p> | <p>DEP 2004H COS-PSYCH 3(3,0) Honors Developmental Psychology: PR: PSY 2012 and consent of Honors. Genetic, psychological, maturational, and social factors on behavior throughout the life cycle. With Honors content. <i>Fall.</i></p> | <p>DIG 3134C CAH-DIG 3(3,0) Internet Software Design: PR: DIG 3001 and COP 2500C with a minimum grade of "B" (3.0) in DIG 3001. Fundamentals of software design in Internet environments. Introduction to discrete mathematics, programming/design schema, and computational structures. <i>Fall, Spring.</i></p> |
| <p>DAA 2521C CAH-THEA 2(2,1) Tap Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2520C. Intermediate exploration of form, style, and technique of tap dance. <i>Spring.</i></p> | <p>DEP 3202 COS-PSYCH 3(3,0) Psychology of Exceptional Children: PR: PSY 2012. Psychological problems of exceptional children, including diagnosis, associated emotional problems, effects of institutionalization, special class placement, attitudes, and appropriate intervention methods. <i>Occasional.</i></p> | <p>DIG 3138C CAH-DIG 3(2,2) Digital Imagery: PR: DIG 3480C. Technical principles of digital photography and scanned image capture for use in video games, internet and interactive software. Project oriented. <i>Fall, Spring.</i></p> |
| <p>DAA 2570C CAH-THEA 2(2,1) Jazz Dance I: PR: DAA 2200C, and Theatre major, or Dance minor, or department consent. Basic movements of American Jazz dance, including practical class work and Jazz dance history. <i>Fall, Spring.</i></p> | <p>DEP 3464 COS-PSYCH 3(3,0) Psychology of Aging: PR: PSY 2012. An examination of basic psychological processes related to the aging process, with emphasis on the applied implications of changes in perceptual-motor, social emotional and cognitive-intellectual functioning. <i>Occasional.</i></p> | <p>DIG 3153 CAH-DIG 3(3,0) Writing for Digital Media: PR: Minimum grade of "B" (3.0) in DIG 3001. Methodologies, fundamentals, and history of written communications for the digital age. Application of methods and fundamentals in the following areas: language theory, document design, markup languages and the editing process. <i>Fall, Spring.</i></p> |
| <p>DAA 2571C CAH-THEA 2(2,1) Jazz Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2570C. Intermediate Jazz dance using theory and practice in jazz technique. <i>Spring.</i></p> | <p>DEP 5057 COS-PSYCH 3(3,0) Developmental Psychology: PR: Graduate status or senior standing or C.I. Psychological aspects of development including intellectual, social, and personality factors. <i>Spring.</i></p> | <p>DIG 3253 CAH-DIG 3(3,0) Digital Media Audio: PR: Minimum grade of "B" (3.0) in DIG 3001. Audio production processes for multimedia and new media production, including examination and use of audio and MIDI sequencing software. <i>Fall, Spring.</i></p> |
| <p>DAA 3108C CAH-THEA 2(2,1) Modern Dance III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2101C. Advanced exploration of form, style, and technique in creative movement. May be repeated for credit. <i>Spring.</i></p> | <p>DIG 2000 CAH-DIG 3(3,0) Introduction to Digital Media: PR: ENC 1101 and MAC 1105. Introduction to history, principles, and processes associated with digital media and designing for digital media with emphasis on production and communication. <i>Fall, Spring.</i></p> | |

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| DIG 3286C | CAH-DIG | 3(2,2) | DIG 3951 | CAH-DIG | 0(0,0) | DIG 4434C | CAH-DIG | 3(1,4) |
| Assembling Digital Media: PR: DIG 3480C. Digital narratives, visual storytelling, and the assembly and editing of images and sounds for use in interactive media. Project oriented. <i>Spring.</i> | | | Visual Language Portfolio Review: PR: C.I. Review of relevant digital and artistic works in a student's portfolio. Graded S/U. <i>Fall.</i> | | | Narrative Techniques in the Moving Image: PR: DIG 4451C, successful portfolio review, or C.I. Advanced application of techniques in Visual Language employed in story production focusing on advancing a narrative and evoking emotion. <i>Spring.</i> | | |
| DIG 3355C | CAH-DIG | 3(2,2) | DIG 4204C | CAH-DIG | 3(2,2) | DIG 4451C | CAH-DIG | 3(1,4) |
| Artificial Environments and Effects: PR: DIG 2485 and C.I. CR: DIG 3951. Design and manipulation to convey a story, thought, and concept in visual medium. New imagery in motion such as non-character entities, music videos, and scientific visualization. <i>Fall.</i> | | | Generating and Manipulating Digital Imagery: PR: DIG 2485 and C.I. CR: DIG 3951. Core techniques for creating and manipulating second and third digital representations. <i>Fall.</i> | | | Visual Storytelling and Visual Development Workshop: PR: DIG 3433C and successful portfolio review, or C.I. Techniques, mechanics of visual development with emphasis on strong visual designs which communicate effectively. <i>Odd Spring.</i> | | |
| DIG 3362C | CAH-DIG | 3(2,2) | DIG 4206C | CAH-DIG | 3(1,4) | DIG 4455C | CAH-DIG | 3(3,0) |
| Artificial Characters: PR: DIG 2485 and C.I. CR: DIG 3951. Processes and techniques for design and manipulation of artificial characters to convey story, thought, or concept in a visual medium. <i>Fall.</i> | | | New Imagery in Motion Workshop: PR: DIG 4325C, successful portfolio review, or C.I. Conceptual and technical aspects of scripting, image processing, 3D/2D data acquisition while practicing the use of generators, filters, particles, masks, and audio into digital projects. <i>Spring.</i> | | | Interactive Performance II: PR: DIG 3450C or C.I. Continuation of Interactive Performance I, with focus on the integration of actors, audience participation, technology, and story structure. <i>Even Fall, Spring.</i> | | |
| DIG 3433C | CAH-DIG | 3(2,2) | DIG 4323C | CAH-DIG | 3(1,4) | DIG 4486C | CAH-DIG | 3(1,4) |
| Visual Storytelling and Visual Development: PR: DIG 2485 and C.I. CR: DIG 3951. Processes and techniques to transform story concepts into a producible visual experience. <i>Odd Fall.</i> | | | Modeling for Visual Language: PR: DIG 4204C, successful portfolio, or C.I. Application of techniques taught to model, rig, and prepare artificial characters so that they be animated effectively and express narrative for digital production. <i>Fall.</i> | | | Visual Language of Moving Image II: PR: DIG 3433C, successful portfolio review, or C.I. Application of techniques taught to design, create, and refine visual development, story board, story reel, character design, and animation that expresses a narrative for digital production. <i>Fall.</i> | | |
| DIG 3450C | CAH-DIG | 3(3,0) | DIG 4324C | CAH-DIG | 3(2,2) | DIG 4503 | CAH-DIG | 3(3,0) |
| Interactive Performance I: PR: Admission by audition only. Digital Media, Theatre majors, or C.I. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. <i>Fall, Spring.</i> | | | Modeling for Realtime Systems II: PR: DIG 4780C. Advanced techniques for character animation, texture, lighting, rendering. Project oriented. <i>Spring.</i> | | | Rapid Application Web Development: PR: DIG 3001 and DIG 4921C. Integration of Core Internet technologies to produce usable interfaces and algorithms. <i>Fall, Spring.</i> | | |
| DIG 3450H | CAH-DIG | 3(3,0) | DIG 4325C | CAH-DIG | 3(1,4) | DIG 4522 | CAH-DIG | 3(3,0) |
| Honors Interactive Performance I: PR: C.I. and consent of Honors. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. With Honors content. <i>Occasional.</i> | | | Look Modeling Workshop: PR: DIG 4204C, successful portfolio review, or C.I. Techniques, mechanics of designing, developing finished look emphasis on rendering, shading, texturing, and lighting. <i>Spring.</i> | | | Digital Media Service: PR: DIG 3035. Practicum in which students utilize their digital media skills to create media rich products. May be used in the degree program a maximum of 4 times. <i>Fall, Spring.</i> | | |
| DIG 3480C | CAH-DIG | 3(2,2) | DIG 4326C | CAH-DIG | 3(1,4) | DIG 4523L | CAH-DIG | 1(0,3) |
| Computer as a Medium: PR: A minimum grade of B (3.0) or better in DIG 2000 or DIG 3001. Basics of several digital media authoring programs. <i>Fall, Spring.</i> | | | Geometrical Modeling Workshop: PR: DIG 4204C, successful portfolio review, or C.I. Techniques and mechanics of designing and manipulating geometrical representations of artificial characters and their environments; introduction to procedural models. <i>Spring.</i> | | | Digital Media Service III: PR: DIG 4522L and a minimum grade of "B" (3.0) or better in DIG 3001. Participation as a leader in a consulting service for selected clients both within and external to the university, where students design Web pages, and provide tutorial, installation, and maintenance assistance with software tools. Graded S/U. <i>Even Fall, Spring.</i> | | |
| DIG 3525 | CAH-DIG | 3(3,0) | DIG 4354C | CAH-DIG | 3(1,4) | DIG 4524L | CAH-DIG | 3(0,3) |
| Digital Media Production I: PR: DIG 2000, GRA 2101C and a minimum grade of "B" (3.0) or better in DIG 3001. Media project planning, organization and execution; group dynamics. Software tools for project planning, scheduling and management. <i>Fall, Spring.</i> | | | Advanced 3D Animation: PR: DIG 4323C, successful portfolio review, or C.I. Advanced tools, concepts and techniques developed in the previous 3D animation courses. Students apply techniques to 3D character animation. <i>Spring.</i> | | | Digital Media Project I: PR: DIG 3525 and a minimum grade of "B" (3.0) or better in DIG 3001. Multidisciplinary students work with faculty and industry mentors to design and implement a project involving virtual reality, video game production, computer animation, or interaction with the theme park industry. <i>Odd Fall, Even Spring.</i> | | |
| DIG 3543C | CAH-DIG | 3(2,2) | DIG 4359C | CAH-DIG | 3(1,4) | DIG 4526 | CAH-DIG | 3(3,0) |
| The Production Process: PR: DIG 2485 and C.I. CR: DIG 3951. Production in a visual medium from narrative idea to finished artifact. <i>Odd Fall.</i> | | | Artificial Environments and Effects Workshop: PR: DIG 3355C and successful portfolio review, or C.I. Techniques and mechanics of artificial environments, with emphasis on compositing, image processing, visual style, visual continuity. <i>Spring.</i> | | | Digital Media Production II: PR: DIG 3525 and a minimum grade of "B" (3.0) or better in DIG 3001. Management and execution of large digital media projects, using structured methods and tools learned in Digital Media Production I. <i>Fall, Spring.</i> | | |
| DIG 3563 | CAH-DIG | 3(3,0) | DIG 4369C | CAH-DIG | 3(1,4) | DIG 4528 | CAH-DIG | 3(0,0) |
| Information Management and Authorship: PR: DIG 3001. Information management relating to creation, storage, retrieval of assets and authoring of databases and file types. <i>Fall, Spring.</i> | | | Artificial Characters Workshop: PR: DIG 3362C and successful portfolio review, or C.I. Techniques and mechanics of artificial characters, with emphasis on attitude in action, personality of character expressions, and bringing characters to life. <i>Spring.</i> | | | Digital Media Project II: PR: DIG 4524L and a minimum grade of "B" (3.0) or better in DIG 3001. Continuation of IDS 4682. <i>Odd Fall, Even Spring.</i> | | |
| DIG 3716C | CAH-DIG | 3(2,2) | DIG 4373C | CAH-DIG | 3(1,4) | DIG 4624 | CAH-DIG | 3(3,0) |
| Internet Interaction: PR: DIG 3480C and a minimum grade of B (3.0) or better in DIG 2000. Interdisciplinary approach to design and construction of advanced interactive web sites, applying esthetic and scientific principles of user interface design. Project oriented. <i>Fall, Spring.</i> | | | 3D Textures: PR: DIG 4369C, successful portfolio review, or C.I. Advanced application of lighting and surface attributes, improving on the tools, concepts, and techniques learned in previous 3D courses. <i>Spring.</i> | | | Unix for Graphics Production: PR: COP 3223 and DIG 3525 or C.I. Unix operating system for the management of complex graphical production processes in animation and film post-production. <i>Occasional.</i> | | |
| DIG 3811 | CAH-DIG | 3(3,0) | DIG 4394C | CAH-DIG | 3(1,4) | DIG 4630C | CAH-DIG | 3(2,2) |
| User-Centered Design: PR: B or better in DIG 3001. The creation of media software and other human-system products by applying knowledge about cognition and behavior. <i>Fall, Spring.</i> | | | Motion Graphics: Advanced Compositing: PR: DIG 4359C, successful portfolio review, or C.I. Advanced techniques including 3D modeling, texturing, lighting, particles, and compositing to create motion graphics. Manage and navigate objects, images and other media in visual narratives, as pertaining to 3-D Content. <i>Spring.</i> | | | Media for E-Commerce II: PR: DIG 4921C. The applications of server-side internet programming languages and media theory to e-commerce, internet security, and online portals. Project oriented. <i>Spring.</i> | | |
| DIG 3855 | CAH-DIG | 3(3,0) | | | | | | |
| Converging Media: PR: FIL 3790 and DIG 3001: Film or Digital Media major with a minimum grade of "B" (3.0) in DIG 3001. Applying the convergence of story, play and game conventions into innovative Internet experiences. <i>Even Spring.</i> | | | | | | | | |

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| DIG 4640 | CAH-DIG | 3(3,0) | DIG 5529C | CAH-DIG | 3(1,3) | EAB 3705C | COS-PSYCH | 4(3,2) |
| Autonomous Media: PR: DIG 3134C and a minimum grade of "B" (3.0) or better in DIG 3001. Applications of concepts derived from research on artificial intelligence, to media and the Internet. Project-based. <i>Occasional.</i> | | | Production for Media: PR: Admission to Digital Media M.S. program or C.I. Theories and practices of production processes for interactive entertainment. <i>Fall.</i> | | | Behavior Modification - Part II: PR: EAB 3703, EXP 3404. Continued examination of the principles of behavior analysis and their application, as well as ethical issues related to the delivery of behavior analysis programs. <i>Occasional.</i> | | |
| DIG 4641 | CAH-DIG | 3(3,0) | DIG 5548C | CAH-DIG | 3(1,3) | EAB 5765 | COS-PSYCH | 3(3,0) |
| Creative Digital Devices: PR: DIG 3134C and ART 2201C and a minimum grade of "B" (3.0) or better in DIG 3001. The physical construction and computer control of electro-mechanical devices, and the use of software libraries for controlling testbed hardware, for entertainment and creative applications. <i>Occasional.</i> | | | Rapid Prototype Production I: PR: Admission to Digital Media M.S. or C.I. Students engage in interdisciplinary teams to create rapid development projects. <i>Fall.</i> | | | Applied Behavior Analysis with Children and Youth: PR: DEP 5057 and EXP 5445, and graduate status or senior standing or C.I. Advanced survey of principles, procedures, and techniques of applied behavior analysis, with special attention to applications with children and youth. <i>Occasional.</i> | | |
| DIG 4645 | ECS-CS | 3(3,0) | DIG 5549C | CAH-DIG | 3(1,3) | EAS 3010 | ECS-MMAE | 3(3,0) |
| Digital Media: PR: COP 3530C or C.I. Information structures, algorithms and interactive tools for creation, compression, storage, indexing and transmission of multimedia (visual images, sound, tactile displays, etc.) Project-oriented. <i>Occasional.</i> | | | Rapid Prototype Production II: PR: DIG 5548C or C.I. Students engage in interdisciplinary teams to create advanced rapid development projects. <i>Fall.</i> | | | Fundamentals of Aerospace Flight: PR: EGN 3321 and a "C" (2.0) or better in all of the following prerequisites: MAC 2311, MAC 2312 and PHY 2048; CR: EGN 3343. Fundamental theories of inviscid, incompressible aerodynamics and flight mechanics, airfoil theory, external and internal flows, airplane performance. <i>Fall.</i> | | |
| DIG 4713 | CAH-DIG | 3(3,0) | DIG 5550C | CAH-DIG | 3(1,3) | EAS 3101 | ECS-MMAE | 3(3,0) |
| Game Design: PR: DIG 3134C. Principles and theories of video game design, including software, content, interaction, and game play design. Project based. <i>Fall.</i> | | | Digital Media Development: PR: DIG 5136C or C.I. Students will begin developing projects specified by design documents from Design for Media course. <i>Odd Fall.</i> | | | Fundamentals of Aerodynamics: PR: EAS 3010. Viscous, incompressible fluid flow; flow over finite wings; aerodynamic design; introduction to computational fluid dynamics. <i>Spring.</i> | | |
| DIG 4715C | CAH-DIG | 3(2,2) | DIG 5551C | CAH-DIG | 3(1,3) | EAS 3530 | ECS-MMAE | 3(3,0) |
| Game Production: PR: DIG 4713C. Principles and theories of video game production, including project planning, scripting, 3D modeling and texturing, level design, and audio. Project based. <i>Spring.</i> | | | Interactive Media Design: PR: DIG 4716L and DIG 3286C or equivalent, or C.I. Interdisciplinary approach to design and construction of advanced interactive media, applying theory, aesthetic, and scientific principles of user interaction. Project and theory-based. <i>Even Spring.</i> | | | Space Systems Concepts: PR: EAS 3010, PHY 2049, and MAP 2302. Physical and engineering aspects of current space flights. Space nuclear propulsion and power. Design of spacecraft for space environment. Communication with spacecraft. Space-borne instrumentation. <i>Spring.</i> | | |
| DIG 4770 | ECS-CS | 3(3,0) | DIG 5565C | CAH-DIG | 3(1,3) | EAS 3800C | ECS-MMAE | 3(2,3) |
| Building Virtual Worlds: PR: COP 3530C or C.I. Design and construction of software for networked interactive learning environments, entertainment and communication systems. Tools for enabling dramatic, artistic and technical creativity. Project oriented. <i>Occasional.</i> | | | Digital Asset Management Systems: PR: Graduate standing or C.I. Structure and use of Digital Asset Management Systems (DAMS). Protection of intellectual property rights by encryption, water marking, steganography. Version and work process flow control systems. <i>Occasional.</i> | | | Aerospace Engineering Measurements: PR: EGN 3343, CR: EGM 3601. Theory, calibration and use of instruments. Measurement techniques, data analysis, report writing. Laboratory topics related to aerospace engineering. <i>Fall.</i> M&S fee: \$15.00 | | |
| DIG 4780C | CAH-DIG | 3(2,2) | DIG 5627 | CAH-DIG | 3(3,0) | EAS 3810C | ECS-MMAE | 2(1,3) |
| Modeling for Realtime Systems: PR: DIG 3480C and C.I. Principles of construction of 3D models for realtime applications; use of high performance CAD systems; level of detail management, efficiency vs. visual quality for video games and realtime simulation. <i>Fall.</i> | | | Autonomous Characters: PR: Graduate status or senior standing or C.I. Interdisciplinary study of autonomous characters-computer programs that mimic human behavior-in games, simulations and interactive literature. Formal models of strategy, tactics and actions. <i>Occasional.</i> | | | Design of Aerospace Experiments: PR: EAS 3800C and EAS 3010. Extension of EAS 3800C. Design of experiments in aeronautic/aerospace systems with emphasis on project team activity. <i>Spring.</i> M&S fee: \$45.00 | | |
| DIG 4921C | CAH-DIG | 3(2,2) | DIG 5647C | CAH-DIG | 3(1,2) | EAS 4105 | ECS-MMAE | 3(3,0) |
| Media for e-Commerce I: PR: DIG 2000 and (COP 2500C or COP 3502C) and a minimum grade of "B" (3.0) or better in DIG 3001. Media in support of electronic commerce on the Internet. Emphasis on the artistic and creative components supporting the business aspects of electronic commerce. Project oriented. <i>Odd Fall, Even Spring.</i> | | | Science & Technology of Dynamic Media: PR: Graduate status or C.I. Contemporary media theory and survey of scientific principles behind digital media production, synthesis, and evaluation. <i>Fall.</i> | | | Flight Mechanics: PR: EAS 3101 and CR: EML 4312C. Analysis and design of aircraft performance, static and dynamic stability and automatic control systems. <i>Fall.</i> | | |
| DIG 4931 | CAH-DIG | 3(3,0) | DIG 5810 | CAH-DIG | 3(3,0) | EAS 4134 | ECS-MMAE | 3(3,0) |
| Cultural Byways: PR: DIG 3525, DIG 3001. Development and implementation of historical and cultural video segments for digital media projects. <i>Occasional.</i> | | | Ways of Seeing: Cultural and Technological Perspectives: PR: Admission to Film and Digital Media masters program or C.I. Cultural and technological perspectives formed by the intersection of media and cultural studies, art history and criticism, and cinema studies. <i>Fall.</i> | | | High-Speed Aerodynamics: PR: EGN 3343, EML 3701, EAS 3800C. Continuation of EAS 3101. Normal and oblique shock waves, nozzles and wind tunnels, methods of analyzing compressible flow about airfoils, wings, and bodies. Viscous boundary layers and applications to the design process. <i>Fall.</i> | | |
| DIG 5045C | CAH-DIG | 3(1,3) | DIG 5835 | CAH-DIG | 3(3,0) | EAS 4200 | ECS-MMAE | 3(3,0) |
| Principles of Interactive Entertainment I: PR: Admission to Digital Media M.S. program or C.I. Interactive digital content creation technologies and development processes. <i>Fall.</i> | | | Digital Forensics: PR: CGS 5131 (Computer Forensics I) or C.I. Application of digital scientific techniques to solve information assurance, forensic and legal problems. <i>Occasional.</i> | | | Flight Structures: PR: EGM 3601. Fundamental structural and dynamic design of aircraft and space vehicle components. Classical and finite element methods. <i>Fall.</i> | | |
| DIG 5046C | CAH-DIG | 3(1,3) | DIG 5950 | CAH-DIG | 3(3,0) | EAS 4210 | ECS-MMAE | 3(3,0) |
| Principles of Interactive Entertainment II: PR: DIG 5045C or C.I. Advanced principles of interactive digital content creation technologies and development processes. <i>Fall.</i> | | | Interactive Entertainment Capstone: PR: Admission to Digital Media M.S. Prepare a product design document and technical design document for a production project. Graded S/U. <i>Fall, Spring.</i> | | | Space Structural Dynamics: PR: EGN 3321, EGM 3601 and EML 3034C. Analytical mechanics and linear system theory. Modern approach to control of lumped parameter systems. Review of space structure applications. Use of finite element methods. <i>Spring.</i> | | |
| DIG 5136C | CAH-DIG | 3(1,3) | DSC 4013 | HPA-CJ/LS | 3(3,0) | EAS 4300 | ECS-MMAE | 3(3,0) |
| Design for Media: PR: Graduate standing and C.I. Theories and practices of interactive design for digital media content. <i>Fall.</i> | | | Homeland Security and Criminal Justice: PR: CCJ 3014 and CCJ 3024 or C.I. Analysis of homeland safety and security in contemporary society and government. <i>Occasional.</i> | | | Aerothermodynamics of Propulsion Systems: PR: EAS 4134 or EML 4703. Fundamental analysis and design considerations of propulsion systems. Turbojets, ramjets and rockets. <i>Spring.</i> | | |
| DIG 5366 | CAH-DIG | 3(3,0) | EAB 3703 | COS-PSYCH | 4(3,2) | | | |
| Creating Interactive Characters: PR: Admission to Digital Media M.S. or C.I. Survey of issues related to creating interactive characters. Topics will range from modeling humans to reviewing realistic human capabilities. Graded S/U. <i>Fall, Spring.</i> | | | Principles of Behavior Modification: PR: EXP 3404. An examination of the control of behavior through applications of principles and theories of learning. Examples are drawn from clinical and social psychology and from child rearing. Lecture/Practicum. <i>Fall.</i> | | | | | |

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| EAS 4400 | ECS-MMAE | 3(3,0) | EBD 4011 | ED-CFCS | 4(4,0) | ECO 3101 | BA-ECON | 3(3,0) |
| Spacecraft Attitude Dynamics: PR: EML 4312C. Kinematics and dynamics of rigid and multibody spacecraft rotational motion. Attitude control with momentum exchange actuators and thrusters. <i>Occasional.</i> | | | Introduction to the Emotionally Disturbed: PR: Senior standing. Development and practice of appropriate cognitive, affective, and motor strategies for selected categories, levels, and degrees of severity of exceptional population. <i>Occasional.</i> | | | Intermediate Microeconomics: PR: ECO 2013, ECO 2023 and QMB 3201. Theoretical study of the behavior of households, firms, and the markets in which they operate with issues and applications. <i>Fall, Spring.</i> | | |
| EAS 4404C | ECS-MMAE | 3(2,3) | EBD 4210 | ED-CFCS | 3(3,0) | ECO 3203 | BA-ECON | 3(3,0) |
| Discrete Control in Aerospace Vehicles: PR: EML 4312C and EAS 3800C. Discrete control aspects of aerospace vehicles, digital controller, design, state-space representation, Z-transform, system response. <i>Spring.</i> M&S fee: \$15.00 | | | Curriculum and Program Adaptation, E.H.: Development of highly specialized curriculum and identification, evaluation, modification, and use of curriculum materials and programs for students with emotional handicaps. <i>Occasional.</i> | | | Intermediate Macroeconomics: PR: ECO 2013 and ECO 2023 and QMB 3201. Measurement, analysis, and control of aggregate economic activity. <i>Fall, Spring.</i> | | |
| EAS 4505 | ECS-MMAE | 3(3,0) | EBD 4243 | ED-CFCS | 3(3,0) | ECO 3223 | BA-ECON | 3(3,0) |
| Orbital Mechanics: PR: EGN 3321 and a "C" (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Two-body problem, orbital equations, orbital transfer, earth satellite operation. <i>Spring.</i> | | | Teaching the Emotionally Handicapped: Instructional strategies with emphasis on motivational strategies, development, implementation and evaluation of the IEP, modification of regular education instructional practices, crisis intervention and prevention. <i>Occasional.</i> | | | Money and Banking: PR: ECO 2013. Nature of money, commercial banking system, and monetary theory, and their relationship to the level of economic activity and activities of the Federal Reserve and U.S. Treasury. <i>Odd Spring.</i> | | |
| EAS 4700C | ECS-MMAE | 3(1,6) | EBD 4244 | ED-CFCS | 2(2,0) | ECO 3401 | BA-ECON | 3(3,0) |
| Aerospace Design I: PR: EAS 4200, EAS 3010, EAS 3800C, CR: EML 4312C. Application of the design process to the team solution of a state-of-the-art problem. Airplanes and space vehicles, systems and devices are considered. <i>Fall, Spring.</i> M&S fee: \$15.00 | | | Instructional Strategies and Curriculum for Students with Emotional Handicaps: PR: EEX 2010. Instructional strategies and specialized curriculum for teaching students with emotional handicaps with emphasis on instructional techniques and use of curriculum materials and programs. <i>Occasional.</i> | | | Quantitative Business Tools I: PR: ECO 2023, MAC 1140. Introduction to mathematical and statistical analysis of economics and business problems. <i>Fall, Spring.</i> | | |
| EAS 4710C | ECS-MMAE | 3(1,6) | ECM 4504C | ECS-ECE | 4(3,3) | ECO 3401H | BA-ECON | 3(3,0) |
| Aerospace Design II: PR: EAS 4700C. Continuation of the design process in the team building and testing of a prototype model of an airplane, spacecraft, system or device. <i>Fall, Spring.</i> M&S fee: \$45.00 | | | Embedded Computer Systems: PR: EEL 4768C, EEL 4851C, EEL 4635C. Computer Applications in Systems role, sensor and actuator interfacing. Design projects, including problem statements and specifications, design methodology, implementation, testing, and documentation. <i>Occasional.</i> M&S fee: \$12.00 | | | Honors: Quantitative Business Tools I: PR: Economics major or minor, ECO 2023, MAC 1105, permission of honors. Same as ECO 3401 with Honors level content. <i>Occasional.</i> | | |
| EAS 5123 | ECS-MMAE | 3(3,0) | ECM 5135 | ECS-ECE | 3(3,0) | ECO 3410 | BA-ECON | 3(3,0) |
| Intermediate Aerodynamics: PR: EAS 4134; CR: EML 5060. Aerodynamic characteristics of airfoils, finite wings, waves, wing-body combinations, viscous flow and flow instabilities. Airfoil design. <i>Occasional.</i> | | | Engineering Math Analysis I: PR: MAP 2302. Topics in advanced engineering mathematics, including systems of differential equations, phase plane, linear algebra, and vector differential calculus. <i>Occasional.</i> | | | Mathematical Economics: PR: ECO 3401 or MAC 2233. Mathematical methods with particular focus on microeconomics foundations of individual decision-making. <i>Even Spring.</i> | | |
| EAS 5157 | ECS-MMAE | 3(3,0) | ECM 5741C | ECS-ECE | 3(2,3) | ECO 3411 | BA-ECON | 4(4,0) |
| V/Stol Aerodynamics and Performance: PR: EAS 4105; CR: EML 5060. Momentum theory, blade element theory, hover and forward flight, stability, aeroelasticity. <i>Occasional.</i> | | | Microcomputer-based Monitoring and Control Systems: PR: EEE 3342C; EEL 4767C or C.I. Machine language programming; software development aids; systems design; interfacing considerations. <i>Occasional.</i> | | | Quantitative Business Tools II: PR: Junior standing and business major or minor, ECO 2013, ECO 2023, and QMB 3201. The use of statistical methods as scientific tools in the analysis of economics and business problems. <i>Fall, Spring.</i> | | |
| EAS 5302 | ECS-MMAE | 3(3,0) | ECO 2013 | BA-ECON | 3(3,0) | ECO 3411H | BA-ECON | 3(3,0) |
| Direct Energy Conversion: PR: EML 3101 and EML 4142. Direct methods of energy conversion; particular emphasis on fuel cells, thermoelectrics, thermionics, solar energy, photovoltaics and magnetohydrodynamics. Analysis and systems design. <i>Occasional.</i> | | | 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. <i>Fall, Spring.</i> | | | Honors: Quantitative Business Tools II: PR: ECO 3401, permission of honors. Same as ECO 3411 with Honors level content. <i>Occasional.</i> | | |
| EAS 5315 | ECS-MMAE | 3(3,0) | ECO 2013H | BA-ECON | 3(3,0) | ECO 3703 | BA-ECON | 3(3,0) |
| Rocket Propulsion: PR: EAS 4134 or EML 4703. Analysis and performance of rocket motors; selection and thermochemistry of chemical propellants; liquid and solid propellant rockets. <i>Occasional.</i> | | | Honors Principles of Economics Macroeconomics: PR: Permission of Honors. Same as ECO 2013 with honors-level content. <i>Fall, Spring.</i> | | | International Trade: PR: ECO 2013 and ECO 2023. Fundamental principles of international trade and foreign exchange, including the balance of payments and problems of foreign economic policy. <i>Fall.</i> | | |
| EAS 5407 | ECS-MMAE | 3(3,0) | ECO 2023 | BA-ECON | 3(3,0) | ECO 3704 | BA-ECON | 3(3,0) |
| Mechatronic Systems: PR: EML 4804C or EAS 4404C. Discrete control techniques for aerospace mechatronic systems. Controller design, test and evaluation applications. <i>Odd Spring.</i> | | | 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. <i>Fall, Spring.</i> | | | International Commercial Policy: PR: ECO 2013 and ECO 2023. Presents the fundamentals of international commercial policy, with special emphasis on U.S. trade policy since WW II. <i>Spring.</i> | | |
| EAS 5535 | ECS-MMAE | 3(3,0) | ECO 2023H | BA-ECON | 3(3,0) | ECO 4303 | BA-ECON | 3(3,0) |
| Engineering Design for Aerospace Vehicles: PR: EAS 4700C, EAS 4710C, EML 4501C, EML 4502C, or equivalent. Applications of the design process to aerospace vehicles. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | History of Economic Thought: PR: ECO 2013 and ECO 2023. A study of the principal ideas of the major contributors to the development of economic thought. <i>Occasional.</i> | | |
| EBD 3213 | ED-CFCS | 3(3,0) | ECO 3070 | BA-ECON | 1(1,0) | ECO 4412 | BA-ECON | 3(3,0) |
| Behavioral Issues of the Emotionally Handicapped: An introduction to functional schema of the field to include behavior management techniques, theories, legal considerations, counseling skills, etiology, prevention and utilization of community services. <i>Occasional.</i> | | | Tutoring/Teaching Techniques for Undergraduate Economics: PR: Satisfactory completion of same course the student is tutoring. Prepare undergraduate students to more effectively learn economics concepts through tutoring/teaching. Graded S/U. May be used in the degree program a maximum of 4 times. <i>Fall, Spring.</i> | | | Econometrics: PR: ECO 2013, ECO 2023 and ECO 3411. Concepts and methods of developing, analyzing, and interpreting measures of economic activity, and business and economic change. <i>Even Fall.</i> | | |

UCF Courses and Descriptions

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| ECO 4701 | BA-ECON | 3(3,0) | ECS 4210 | BA-ECON | 3(3,0) | EDF 3120 | ED-ES | 3(3,0) |
| Seminar in Global Economic Policy: PR: ECO 2013 and ECO 2023. Interdependent nature of the global economy, its current economic problems and the different policy perspectives and their impact. <i>Occasional.</i> | | | The Chinese Economy: PR: ECO 2013, ECO 2023. Economic overview of contemporary China, and review of key issues facing the country. <i>Occasional.</i> | | | 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. <i>Fall, Odd Spring.</i> | | |
| ECO 4704 | BA-ECON | 3(3,0) | ECS 4303 | BA-ECON | 3(3,0) | EDF 3303 | ED-ES | 3(3,0) |
| International Macroeconomics: PR: ECO 2013 and ECO 2023. International macroeconomics with review and analysis of current international macroeconomics, financial issues, policies and events. <i>Occasional.</i> | | | Economics of European Integration: PR: ECO 2013 and ECO 2023. Presents the development of the European Community, with emphasis on the characteristics of the Single European Act (EC '92). <i>Occasional.</i> | | | Learning Environments and Guidance for Young Children: PR: All courses in Block I. CR: All courses in Block II. Developmentally appropriate education materials, strategies, environments, and guidance for young children. Exploration of active learning and the development of young children's self-esteem and self-regulation. <i>Even Spring.</i> | | |
| ECO 4751 | BA-ECON | 3(3,0) | ECS 4442H | BA-ECON | 3(3,0) | EDF 3601 | ED-ES | 3(3,0) |
| Law and Economics: PR: ECO 2013 and 2023. Impact of law on economic behavior; how economic behavior changes with legal rules and penalties; and the economic logic underlying the law. <i>Occasional.</i> | | | Honors Economic Development of Mexico and Central America: PR: Permission of Honors and ECO 2013 or ECO 2023. A study of the economies of Mexico and Central America under NAFTA. <i>Occasional.</i> | | | Professional Ethics in Education: Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making. <i>Fall, Spring.</i> | | |
| ECO 4941 | BA-ECON | 3(3,0) | EDE 3942 | ED-TLP | 3(3,0) | EDF 3740 | ED-ES | 3(3,0) |
| Economics Internship: PR: Consent of department chair. Supervised economics-related work experience in a pre-approved sponsoring organization. See department for information/application. Graded S/U. <i>Occasional.</i> | | | Internship I: PR: EDG 4323, RED 3012, MAE 2801, TSL 4080. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U. <i>Fall, Spring.</i> | | | 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. <i>Occasional.</i> | | |
| ECO 5005 | BA-ECON | 3(3,0) | EDE 4943 | ED-TLP | 7-12(0,35) | EDF 4214 | ED-ES | 3(3,0) |
| Economic Concepts: PR: Acceptance into the graduate program. Introduction to micro and macro economic analysis. <i>Occasional.</i> | | | Internship II (Elementary): PR: EDE 3942. Student teaching in an elementary school under the supervision of a certified classroom teacher. Scheduled concurrent seminars. Graded S/U. <i>Occasional.</i> | | | 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. <i>Fall, Spring.</i> | | |
| ECP 3004 | BA-ECON | 3(3,0) | EDE 4945 | ED-TLP | 1(1,0) | EDF 4282 | ED-ERTL | 3(3,0) |
| Seminar on Current Economic Topics: PR: ECO 2013 and ECO 2023. Current economic problems and issues. Emphasis on the social and ethical aspects of economic policy and the interrelatedness of economic and non-economic activities. <i>Occasional.</i> | | | 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. <i>Fall, Spring.</i> | | | Applications of Technology in Education: Classroom applications of instructional media, including computers. Includes experiences with equipment, commercial and teacher-made media, and their uses. <i>Occasional.</i> | | |
| ECP 3203 | BA-ECON | 3(3,0) | EDF 1075 | ED-ES | 3(3,0) | EDF 4466 | ED-ERTL | 3(3,0) |
| Labor Economics: PR: ECO 2013 and ECO 2023. The analysis of labor problems and issues in a dynamic contemporary economy through the interaction of the four major institutions: households, firms, government, and unions. <i>Occasional.</i> | | | Introduction to Educational Internship: Introduction to educational internship with selected partnership institutions. <i>Occasional.</i> | | | 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. <i>Fall, Spring.</i> | | |
| ECP 3302 | BA-ECON | 3(3,0) | EDF 2005 | ED-ES | 3(3,0) | EDF 4467 | ED-ES | 3(3,0) |
| Economics and the Environment: PR: Sophomore standing, and ECO 2013 or ECO 2023. Analysis of environmental problems from an economic perspective, its relationship to other disciplines, and the international dimension of environmental policy. <i>Even Fall.</i> | | | Introduction to Education: A survey course including an orientation to education careers, ethics, and the historical, philosophical and sociological foundations of education. This course has a field component. <i>Fall, Spring.</i> | | | Learning Theory and Assessment: PR: EDF 2005, EDG 2701, EME 2040, or C.I. Application of learning theory and assessment principles to classroom teaching situations. <i>Fall, Spring.</i> | | |
| ECP 4302 | BA-ECON | 3(3,0) | EDF 2007 | ED-ES | 3(3,0) | EDF 4603 | ED-ES | 3(3,0) |
| Environmental and Natural Resource Economics: PR: ECO 2013 and ECO 2023 or C.I. Provide fundamental insights into the interdependence between energy use, environmental quality, and the economy at both the micro-economic and macroeconomic level. <i>Odd Fall.</i> | | | Introduction to Substitute Teaching: Social and legal factors related to PK-12 teaching, including school safety, ethics, legal aspects, and roles and responsibilities of substitute teachers. <i>Fall, Spring.</i> | | | Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: EDF 2005, EDG 2701, EME 2040 or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. <i>Fall, Spring.</i> | | |
| ECP 4403 | BA-ECON | 3(3,0) | EDF 2130 | ED-ES | 3(3,0) | EDF 5245 | ED-ES | 3(3,0) |
| Industrial Organization and Game Theory: PR: ECO 2013 and ECO 2023. A study of the performance of industries representative of various types of market structure and practices, as well as the public policies affecting these industries. <i>Even Spring.</i> | | | 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. <i>Fall, Spring.</i> | | | Preparation and Management of Classroom Instruction: PR: C.I. Study of strategies for instructional planning and classroom management that result in optimum learning. <i>Occasional.</i> | | |
| ECP 4703 | BA-ECON | 3(3,0) | EDF 2250 | ED-ES | 3(3,0) | EDF 5607 | ED-ES | 3(3,0) |
| Managerial Economics: PR: Junior standing, ACG 2071, ECO 2013, ECO 2023 and ECO 3411. The uses of economic analysis in economic decision-making and business policy formulation. Open for non-majors ONLY. <i>Spring.</i> | | | Classroom Management for Substitute Teachers: Instructional and classroom management strategies to optimize student learning and maximize the effectiveness of substitute teachers. <i>Fall, Spring.</i> | | | 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. <i>Occasional.</i> | | |
| ECS 4013 | BA-ECON | 3(3,0) | EDF 2283 | ED-ES | 3(3,0) | EDG 1005C | ED-ES | 2(1,1) |
| Economics of Developing Areas: PR: ECO 2013 and ECO 2023. The study of problems, theories, and issues of economic development with reference to the third world. <i>Spring.</i> | | | Introduction to Applications of Technology in Education: Classroom applications of instructional media including computers. <i>Occasional.</i> | | | 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. <i>Fall, Spring.</i> | | |
| ECS 4204 | BA-ECON | 3(3,0) | EDF 2720 | ED-ES | 3(3,0) | | | |
| The Economies of the Pacific Rim: PR: ECO 2013 and ECO 2023. A study of the 'Asian Economic Miracle' examining the relationship between public policies, human resource development, and rapid shared growth. <i>Occasional.</i> | | | Children in Schools: Legal, Ethical and Safety Concerns: PR: EDF 2005, EDG 2701, EME 2040, or C.I. The role of education in children's lives through the analysis of legal, ethical and safety concerns. <i>Fall, Spring.</i> | | | | | |

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| EDG 2311 | ED-ES | 3(3,0) | EEC 3613 | ED-CFCS | 3(3,0) | EEC 4731 | ED-CFCS | 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. <i>Fall, Spring.</i> | | | Observation and Assessment of Young Children: PR: Admission to the program. Appropriate methods for diagnosing, assessing, and evaluating young children, including children with diverse cultural and ethnic backgrounds. Appropriate interventions, remediations, and enrichment. <i>Occasional.</i> | | | 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. <i>Spring.</i> | | |
| EDG 2701 | ED-ES | 3(3,0) | EEC 3700 | ED-CFCS | 3(3,0) | EEC 4936 | ED-CFCS | 2(2,0) |
| Teaching Diverse Populations: An introduction to cultural factors and their impact on education and life changes. Explores stereotyping, prejudice and changing classroom demographics. Includes directed field experience. <i>Fall, Spring.</i> | | | 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. <i>Occasional.</i> | | | Seminar in Early Childhood: Current trends, issues and advocacy in field of early childhood education. Includes guidance and clarification concerning student teaching. <i>Occasional.</i> | | |
| EDG 4323 | ED-ES | 3(3,0) | EEC 3940 | ED-CFCS | 3(0,3) | EEC 4943 | ED-CFCS | 12(0,12) |
| Professional Teaching Practices: PR: EDF 2005 or C.I. Analysis of teaching strategies for K-12 settings, including higher order thinking, classroom management, alternative assessment and adaption of instruction for diverse student populations. <i>Fall, Spring.</i> | | | Integration Internship I: PR: Senior Status; RED 4311 or RED 3310. Field based placement in which the students will have supervised practice integrating course content areas. <i>Occasional.</i> | | | Student Teaching: Provides opportunities for student teachers to use the knowledge and skills they acquired in a supervised public school setting. Graded S/U. <i>Occasional.</i> | | |
| EDG 4410 | ED-ES | 3(3,0) | EEC 4207 | ED-CFCS | 3(3,0) | EEC 5205 | ED-CFCS | 3(3,0) |
| Teaching Strategies and Classroom Management: PR: EDF 2005, EDG 2701, EME 2040, or C.I. Instructional, organizational and classroom management strategies to create effective learning environments. <i>Fall, Spring.</i> | | | Assessment and Evaluation of Young Children: PR: Admission to the Early Childhood Program and EEC 3700. Early childhood education and services for young children and families. Includes early childhood historical, philosophical, and sociological perspectives, learning theories and field-based experiences. <i>Fall.</i> | | | Programs and Trends in Early Childhood Education: PR: Regular Certificate or C.I. Philosophy, content, facilities, instructional materials, and activities appropriate for children ages 3 to 8 years; current research; issues and trends. Concurrent laboratory experiences. <i>Occasional.</i> | | |
| EDG 4941 | ED-ES | 1-8(0,1-8) | EEC 4266 | ED-CFCS | 3(3,0) | EEC 5206 | ED-CFCS | 3(3,0) |
| 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. <i>Occasional.</i> | | | Early Intervention: Provides an overview of development assessment, and intervention with at-risk and handicapped infants and toddlers. <i>Occasional.</i> | | | 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. <i>Spring.</i> | | |
| EDG 4948 | ED-ES | 3(3,0) | EEC 4268 | ED-CFCS | 3(3,0) | EEC 5208 | ED-CFCS | 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. <i>Fall, Spring.</i> | | | 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. <i>Fall, Spring.</i> | | | 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. <i>Even Fall.</i> | | |
| EDG 5745 | ED-TLP | 3(3,0) | EEC 4303 | ED-CFCS | 3(3,0) | EEE 3307C | ECS-ECE | 4(3,3) |
| Teaching the Non-English Student: PR: C.I. Bilingual and non-linguistic instruction in curriculum areas in English as a second language. <i>Occasional.</i> | | | Planning Creative Activities in Early Childhood Education: PR: Admission into Early Childhood Education Program (PreK-3rd certification). Organization of instruction and methods for creative activities in a basic skills integrated PreK-3rd curriculum involving dance, music, theatre, visual arts, digital photography, literature and gaming. <i>Fall, Spring.</i> | | | Electronics I: PR: EEL 3123C. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. <i>Fall, Spring.</i> M&S fee: \$15.00 | | |
| EDG 5941 | ED-ES | 2-8(0,11) | EEC 4402 | ED-CFCS | 3(3,0) | EEE 3342C | ECS-ECE | 3(2,3) |
| 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. <i>Occasional.</i> | | | Cultural and Family Systems: Explores the institution of family in its cultural context as a living dynamic system. <i>Occasional.</i> | | | Introduction to Digital Circuits and Systems: PR: MAC 2311, MAC 2312, MAC 2313, PHY 2048, PHY 2049 or C.I. (To enroll in this course, a C or better with a cumulative GPA of 2.7 or better for the above courses is required). Switching theory and devices. Combinational and sequential logic. Logic design using standard components such as ROM, arithmetic units, multiplexers, registers, and counters. <i>Fall, Spring.</i> M&S fee: \$15.00 | | |
| EDH 5306 | ECS-MMAE | 1(1,0) | EEC 4524 | ED-CFCS | 3(3,0) | EEE 3350 | ECS-ECE | 3(3,0) |
| 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. <i>Occasional.</i> | | | Organization and Management in Early Childhood: Provides students with managerial and supervisory skills required to administer a developmentally appropriate early childhood program. <i>Occasional.</i> | | | Semiconductor Devices I: PR: EEL 3004. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. <i>Fall, Spring.</i> | | |
| EDS 5356 | ED-ERTL | 3(2,1) | EEC 4528 | ED-CFCS | 3(3,0) | EEE 4309C | ECS-ECE | 4(3,3) |
| Supervision of Professional Laboratory Experiences: PR: C.I. Study of the undergraduate professional laboratory experiences program, with emphasis on the role and responsibilities of the Teacher Education Associate or Supervising Teacher. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Electronics II: PR: EEE 3307C, 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 converters. <i>Fall, Spring.</i> M&S fee: \$15.00 | | |
| EEC 2001 | ED-CFCS | 3(3,0) | EEC 4604 | ED-CFCS | 3(3,0) | EEE 4314 | ECS-ECE | 3(3,0) |
| Introduction to Early Childhood Education: An overview of early childhood education and services for young children and their families. Includes historical roots, societal changes, program differentiation and future trends. <i>Occasional.</i> | | | Classroom Management and Guidance of Young Children: PR: Admission into Early Childhood Education Program and EEC 3700. Techniques to guide behavior of young children, emphasizing classroom management and pro-social skills. <i>Spring.</i> | | | Device Electronics for Integrated Circuits: PR: EEE 3350. P.N. Junctions, Bipolar Transistor Analysis, Metal Semiconductor contacts, MOS Systems MOSFET Analysis and Limitations. <i>Occasional.</i> | | |
| EEC 3214 | ED-ES | 3(3,0) | EEC 4661 | ED-CFCS | 3(3,0) | EEE 4463 | ECS-ECE | 3(3,0) |
| Early Childhood Education Learning Environment & Strategies: PR: Admission to the program. Examines developmentally appropriate education materials, strategies, and environments for young children. Explores an integrated approach to curriculum planning and scheduling which emphasizes active learning. <i>Occasional.</i> | | | 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. <i>Fall, Spring.</i> | | | MEMS Devices and Applications: PR: EEE 3350 or C.I. Micro-Electro Mechanical Systems devices, microfabrication, sensors and actuators, bulk and surface micromachining, optical MEMS, instrumentation and applications. <i>Fall.</i> | | |

UCF Courses and Descriptions

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| <p>EEE 5332C ECS-ECE 3(2,1) Thin Film Technology: PR: EEE 3350 or equivalent. Presents the various thin film deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices. <i>Occasional.</i> M&S fee: \$30.00</p> | <p>EEL 3552C ECS-ECE 4(3,3) Analog and Digital Communication Fundamentals: PR: EEL 3123C. Fundamentals of AM and FM, Baseband pulse and digital signaling, Bandpass signaling, digital modulation and detection, and error probability of simple digital systems. <i>Fall, Spring.</i> M&S fee: \$15.00</p> | <p>EEL 4635C ECS-ECE 4(3,3) Computer Control Systems: PR: EEL 3657. Discrete-time systems, the z-transform, and single loop computer control systems. Digital simulation in the analysis and design of processes with embedded computers. No graduate credit for both EEL 5630 and this course. <i>Occasional.</i> M&S fee: \$15.00</p> |
| <p>EEE 5352 ECS-ECE 3(3,0) Semiconductor Material and Device Characterization: PR: EEE 3350 or C.I. Semiconductor material characterization resistivity, mobility, doping carrier lifetime, device properties, threshold voltage, interface charge of MOS devices, optical and surface characterization of films. <i>Occasional.</i></p> | <p>EEL 3657 ECS-ECE 3(3,0) Linear Control Systems: PR: EEL 3123C. Control theory, transfer function modeling, Nyquist criteria, root locus, Bode plots, and Design of lead and lag compensation. <i>Fall, Spring.</i></p> | <p>EEL 4664 ECS-ECE 3(3,0) Autonomous Robotic Systems: PR: EEL 3657. Robotics with emphasis on kinematics, dynamics, trajectory planning, regulation and tracking, formation control, and cooperative rules and behaviors of robotic vehicles. <i>Occasional.</i></p> |
| <p>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. <i>Spring.</i></p> | <p>EEL 3801 ECS-ECE 3(3,0) Introduction to Computer Engineering: PR: "C" (2,0) or better in the following MAC 2311, MAC 2312, MAC 2313, PHY 2048, PHY 2049; CR: EEE 3342C. Logic design, computer arithmetic, Instruction Set Architecture (MIPS, SPIM simulator), performance, data path, control unit, memory hierarchy, I/O interface. <i>Fall, Spring.</i> M&S fee: \$10.00</p> | <p>EEL 4750 ECS-ECE 3(3,0) Digital Signal Processing Fundamentals: PR: EEL 3552C. Study of discrete-time signals and systems, Z-transform, DFT introduction to digital filter design. <i>Fall, Spring.</i></p> |
| <p>EEE 5356C ECS-ECE 4(3,3) Fabrication of Solid-State Devices: PR: EEE 3350. Fabrication of microelectronic devices, processing technology, ion implantation and diffusion, device design, and layout. Laboratory includes device processing technology. <i>Fall, Spring.</i> M&S fee: \$45.00</p> | <p>EEL 4130 ECS-ECE 3(3,0) Fundamentals of Continuous Simulation: PR: MAP 2302. Fundamental concepts of continuous system simulation. Numerical integration, math modeling, simulation software. May be repeated for credit. <i>Occasional.</i></p> | <p>EEL 4767C ECS-ECE 4(3,3) Embedded Systems: PR: EEE 3342C. Microcontroller systems, assembly language programming, data representation, memory and device interfacing, timing analysis, parallel and serial communication, timers, interrupts, signal interfacing considerations, and applications. <i>Fall, Spring.</i> M&S fee: \$30.00</p> |
| <p>EEE 5370 ECS-ECE 3(3,0) Operational Amplifiers: PR: EEE 4309C. Ideal and non-ideal Op-Amps. Linear applications. Active RC and switched-capacitor filters. Non-linear and other functional circuits. Frequency stability and compensation of Op-Amps. <i>Even Fall.</i></p> | <p>EEL 4140C ECS-ECE 4(3,3) Analog Filter Design: PR: EEL 3123C. Passive and active analog filter design. <i>Fall.</i> M&S fee: \$15.00</p> | <p>EEL 4768C ECS-ECE 4(3,3) Computer Architecture: PR: EEL 3801. Computer systems performance and evaluation, processor datapath and control, microprogrammed architectures, instruction and arithmetic pipelines, cache and virtual memory, and RISCvs. CISC. <i>Fall, Spring.</i> M&S fee: \$30.00</p> |
| <p>EEE 5378 ECS-ECE 3(3,0) CMOS Analog and Digital Circuit Design: PR: EEE 4309C. Advanced principles and design techniques for CMOS ICs including most recent published results. <i>Fall.</i></p> | <p>EEL 4205 ECS-ECE 3(3,0) Electric Machinery: PR: EEL 3004. Fundamentals of DC and AC electric machines. <i>Occasional.</i></p> | <p>EEL 4781 ECS-ECE 3(3,0) Computer Communication Networks: PR: EEL 4767C and STA 3032. Network models. Media access protocols. Data link control. Routing and flow control. Internetworking. Current architectures and protocols: OSI, ethernet, token ring, FDDI, HSLC, X.25, etc. <i>Fall, Spring.</i></p> |
| <p>EEE 5390 ECS-ECE 3(3,0) Full-Custom VLSI Design: PR: EEE 3342C, EEE 3307C. CMOS VLSI design methodologies; full custom chip design, industrial CAD tools; simulation; verification. <i>Spring.</i></p> | <p>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. <i>Spring.</i></p> | <p>EEL 4783 ECS-ECE 3(3,0) Hardware Description Languages in Digital Systems Design: PR: EEE 3342C. Hardware description languages, simulation and synthesis of RTL circuits and systems, design examples and projects. <i>Occasional.</i> M&S fee: \$5.00</p> |
| <p>EEL 3004 ECS-ECE 3(3,0) Electrical Networks: PR: MAC 2311, MAC 2312, MAC 2313, PHY 2048, PHY 2049, CR: MAP 2302 (To enroll in this course, a C or better with a cumulative GPA of 2.7 or better for the above courses is required). Analysis and design of linear circuits, transients, ac analysis, power calculations, three-phase circuits, Laplace transform. <i>Fall, Spring.</i> M&S fee: \$15.00</p> | <p>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. <i>Odd Fall.</i> M&S fee: \$15.00</p> | <p>EEL 4791 ECS-ECE 3(2,4) Telemetry and Space Computer Systems: PR: EEL 3552C and EEL 3801C, EEL 3657, EEE 3307C, EEL 3470. Telemetry and computer sub-systems are discussed as they are implemented in the space-launch system "inertial upper stages". <i>Occasional.</i></p> |
| <p>EEL 3041 ECS-ECE 3(3,0) Circuit Analysis: PR: PHY 2053C. Study of electrical networks. Circuit analysis techniques are presented, including DC and steady state analysis. Power calculations, power distribution and dissipation are covered with examples relating to cables, connections, and buses. Not open to EE and CpE majors. <i>Fall, Spring.</i></p> | <p>EEL 4440 ECS-ECE 3(3,0) Optical Engineering: PR: EEL 3470, EEL 3552C or C.I. Lens systems, aberrations, sources, radiometry, detectors, physical optics, interferometric devices, applications to engineering design problems. <i>Spring.</i></p> | <p>EEL 4817H ECS-ECE 3(3,0) Honors Current Topics in Machine Learning II: PR: Consent of Honors and EEL 4818H. Research topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. <i>Spring.</i></p> |
| <p>EEL 3123C ECS-ECE 4(3,1) Networks and Systems: PR: EEL 3004. Network functions, Laplace transforms, frequency domain analysis using Fourier series and transforms, sampling theory and z-transforms. <i>Fall, Spring.</i> M&S fee: \$15.00</p> | <p>EEL 4512C ECS-ECE 4(3,3) Communication Systems: PR: STA 3032, EEL 3552C and EEE 3307C. Information transmission, modulation, and noise; design and comparison systems in the presence of noise. <i>Occasional.</i> M&S fee: \$15.00</p> | <p>EEL 4818H ECS-ECE 3(3,0) Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 3801 or COP 3223 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. <i>Fall.</i></p> |
| <p>EEL 3470 ECS-ECE 3(3,0) Electromagnetic Fields: PR: EEL 3004. Electric and magnetic fields and electromagnetic waves. <i>Fall, Spring.</i></p> | <p>EEL 4515C ECS-ECE 4(3,3) Digital Communication Systems: PR: EEL 3552C. Sampling and quantization, PAM, PWM, PTM, PCM, and Delta Modulation ASK, FSK, PSK, MPSK, introduction to coding. <i>Fall.</i> M&S fee: \$15.00</p> | <p>EEL 4832 ECS-ECE 3(3,0) Engineering Applications of Computer Methods: PR: MAP 2302, STA 3032, EGN 3420. Engineering applications of numerical methods, including solution of differential equations, simulation, optimization, and multidimensional root-finding, integration and series approximations. <i>Fall, Spring.</i></p> |
| <p>EEL 3531 ECS-ECE 3(3,0) Information Theory: PR: MAC 2147. Fundamentals of information theory and communication systems. Topics include: the definition of information, band width and frequency spectrum, systems design, filters, modulations, demodulators, antennas, and wireless communications. Not open to EE or CpE majors. <i>Fall, Spring.</i></p> | <p>EEL 4518 ECS-ECE 3(3,0) Satellite Communications: PR: EEL 3552C. The principles of satellite communications, including communications satellites, Earth stations, link analysis, FDMA and TDMA. May be repeated for credit. <i>Fall.</i></p> | <p>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. <i>Fall, Spring.</i> M&S fee: \$5.00</p> |
| | <p>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 analysis, and classical frequency domain design. <i>Occasional.</i></p> | |

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| <p>EEL 4872 ECS-ECE 3(3,0) Engineering Applications of Intelligent Systems: PR: EEL 4851C or COP 3503C or equivalent or C.I. Knowledge and intelligence, predicate logic and automated reasoning, heuristic search, knowledge representation, automated planning, introduction to machine learning, knowledge-based systems and philosophy of AI. <i>Occasional.</i></p> | <p>EEL 5439C ECS-ECE 3(2,1) RF and Microwave Communications: PR: EEL 4436C or equivalent. RF and microwave active circuits microstrip amplifier, oscillator, and mixer design and fabrication. Receiver design, noise, familiarization with network and spectrum analyzers. <i>Occasional.</i> M&S fee: \$30.00</p> | <p>EEL 5771C ECS-ECE 3(2,3) Engineering Applications of Computer Graphics: PR: EGN 3420 or C.I. Computer graphics in engineering applications. Laboratory assignments. <i>Occasional.</i> M&S fee: \$5.00</p> |
| <p>EEL 4882 ECS-ECE 3(3,0) Engineering Systems Software: PR: EEL 4851C and EEL 4767C. Introduction to operating systems concepts and facilities for engineering applications, including multiprogramming, resource allocation and management, systems utilities, and operating system implementation. <i>Fall, Spring.</i></p> | <p>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. <i>Odd Fall.</i> M&S fee: \$5.00</p> | <p>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.). <i>Even Spring.</i></p> |
| <p>EEL 4884C ECS-ECE 4(3,3) Engineering Software Design: PR: EEL 4851C. Software systems development life cycle, function and object-oriented methodologies, CASE: Analysis, design, and development of a large software project. <i>Fall, Spring.</i> M&S fee: \$5.00</p> | <p>EEL 5482 ECS-ECE 3(3,0) Electromagnetic Theory I: PR: Graduate standing or C.I. Maxwell's equations, boundary conditions, propagation and reflection, guided waves. <i>Occasional.</i></p> | <p>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. <i>Odd Spring.</i></p> |
| <p>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. <i>Occasional.</i></p> | <p>EEL 5513 ECS-ECE 3(3,0) Digital Signal Processing Applications: PR: EEL 4750. The design and practical consideration for implementing Digital Signal Processing Algorithms including Fast Fourier Transform techniques, and some useful applications. <i>Spring.</i></p> | <p>EEL 5825 ECS-ECE 3(3,0) Pattern Recognition: PR: MAP 2302, EGN 3420. Graph-theoretic and syntactic methods of pattern analysis. Decision functions; optimum decision criteria; training algorithms; feature extraction; unsupervised learning; data reduction and potential functions. <i>Occasional.</i></p> |
| <p>EEL 4914 ECS-ECE 3(3,0) Senior Design I: PR: EEE 3307C, EEL 4767C, 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. <i>Fall, Spring.</i></p> | <p>EEL 5517 ECS-ECE 3(3,0) Surface Acoustic Wave Devices and Systems: PR: EEL 3552C. Course discusses SAW technology which includes the physical phenomenon, transducer design and synthesis, filter design and performance parameters. Actual devices and communication systems are presented. <i>Occasional.</i></p> | <p>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. <i>Occasional.</i></p> |
| <p>EEL 4915L ECS-ECE 3(0,3) Senior Design II: PR: EEL 4914. Execution of electrical and computer engineering project including complete project design review, construction, testing and demonstration. Emphasis on design, prototyping, cost, functionality, presentation, team effort and final report. <i>Fall, Spring.</i> M&S fee: \$15.00</p> | <p>EEL 5542 ECS-ECE 3(3,0) Random Processes I: PR: EEL 3552C and STA 3032. Elements of probability theory, random variables, and stochastic processes. <i>Fall, Spring.</i></p> | <p>EEL 5874 ECS-ECE 3(3,0) Expert Systems and Knowledge Engineering: PR: EEL 4872 or C.I. Introduction to expert systems in engineering. Expert systems tools and interviewing techniques. This course is hands-on and project oriented. <i>Spring.</i></p> |
| <p>EEL 5173 ECS-ECE 3(3,0) Linear Systems Theory: PR: EEL 3657. Models and properties of linear systems, transformation, controllability and observability, control and observer designs, MFD, and realization theory. <i>Spring.</i></p> | <p>EEL 5547 ECS-ECE 3(3,0) Introduction to Radar Systems: PR: EEL 3552C. Introduction to Pulse and CW Radar Systems. Chirp Radar Systems. Tracking Radar. Noise in Radar Systems. <i>Spring.</i></p> | <p>EEL 5881 ECS-ECE 3(3,0) Software Engineering I: PR: EGN 3420, EEL 4851C or C.I. Design, implementation, and testing of computer software for Engineering applications. <i>Fall, Spring.</i></p> |
| <p>EEL 5245C ECS-ECE 3(2,1) Power Electronics: PR: EEE 4309C. Principles of power electronics, power semiconductor devices, inverter topologies, switch-mode and resonant dc-to-dc converters, cycloconverters, applications. <i>Fall.</i></p> | <p>EEL 5625 ECS-ECE 3(3,0) Applied Control Systems: PR: C.I. Designed to develop basic understanding of advanced control methods for non-linear systems described by ordinary and partial differential equations and to expose recent results and ongoing research issues in the area of MEMS. <i>Occasional.</i></p> | <p>EEL 5892 ECS-ECE 3(3,0) Continuous System Simulation II: PR: EEL 4890. Introduction to Simulink. Numerical integration including one-step and multi-step methods. Stiff systems and numerical stability. Simulink projects. <i>Odd Spring.</i></p> |
| <p>EEL 5272 ECS-ECE 3(3,0) Biomedical Sensors: PR: EEL 4750 or EEL 4832 or C.I. Study of engineering concepts behind the various biomedical sensors used to monitor a patient undergoing clinical therapy. <i>Occasional.</i></p> | <p>EEL 5630 ECS-ECE 3(3,0) Digital Control Systems: PR: EEL 3657. Real-time digital control system analysis and design, Z-transforms, sampling and reconstruction, time and frequency response, stability analysis, digital controller design. <i>Fall.</i></p> | <p>EEL 5936 ECS-ECE 0(1,0) Current Topics in EECS: PR: Open to all ECE graduate students. Lectures presented by ECE and national lectures will provide our students a broad view of the state of the art EE and CE fields. Graded S/U. <i>Occasional.</i></p> |
| <p>EEL 5425C ECS-ECE 4(3,3) RF and Microwave Measurement Techniques: PR: EEL 4436C or EEL 5482 or EEL 5439C. RF& Microwave components in wireless systems, i.e. antennas, passive components, active circuits, as well as noise, modulation are characterized by measurement and designed/verified by EM/circuit software. <i>Fall.</i> M&S fee: \$30.00</p> | <p>EEL 5708 ECS-ECE 3(3,0) High Performance Computer Architecture: PR: EEL 4767C. Engineering of high performance computer systems. Memory, processor and control sub-systems design tradeoffs. Virtual and cache memory. Pipelining, vector computing. <i>Fall.</i></p> | <p>EES 4111C ECS-CEE 3(2,3) Biological Process Control: PR: Grade of "C" (2.0) or better in ENV 3001; CR: ENV 4561. Engineering design, measurements and analysis of biological systems in environmental engineering for water management, bio-energy products, wastewater treatment, and others. <i>Spring.</i> M&S fee: \$45.00</p> |
| <p>EEL 5432 ECS-ECE 3(3,0) Satellite Remote Sensing: PR: EEL 3470 or PHY 4324. Fundamentals of satellite remote sensing, orbits and geometry, radiative transfer theory, microwave and infrared sensing techniques, ocean, ice and atmosphere geophysical measurements. <i>Occasional.</i></p> | <p>EEL 5722C ECS-ECE 3(3,1) Field-Programmable Gate Array (FPGA) Design: PR: EEE 3342C or C.I. FPGA architectures, design flow, technology mapping, placement, routing, reconfigurable computing applications, and evolvable hardware. <i>Even Fall.</i></p> | <p>EES 4202C ECS-CEE 3(2,3) Chemical Process Control: PR: Grade of "C" (2.0) or better in ENV 3001. Engineering design, measurements, and analysis of chemical systems in environmental engineering to control treatment processes such as softening, coagulation, disinfection, scrubbing, neutralization, and others. <i>Fall.</i> M&S fee: \$45.00</p> |
| <p>EEL 5437C ECS-ECE 4(3,3) Microwave Engineering: PR: EEL 3470 or C.I. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. <i>Even Fall.</i></p> | <p>EEL 5762 ECS-ECE 3(3,0) Performance Analysis of Computer and Communication Systems: PR: EEL 4767C, STA 3032. Stochastic modeling and discrete-event simulation; Markov chains; networks of queues; SemiMarkov models; application to multiprocessor systems, switching and multi-user communications. <i>Occasional.</i></p> | |

UCF Courses and Descriptions

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| <p>EES 5318 ECS-CEE 3(3,0) Industrial Ecology: PR: ENV 3001, ENV 4341. Discussion of similarities between ecological systems and industrial systems with the emphasis on material cycles, energy flow, pollution prevention, organizational structures, and environmental management. <i>Occasional.</i></p> | <p>EET 4548C ECS-ENT 4(3,2) Power Systems: PR: EET 3085C and EET 2025C or equivalent. Analysis of electrical power systems and energy conversion. 3-phase load, per-unit quantities, circuit constants, rotating machines, 3-phase transformers, transmission lines, power flow, stability and fault calculations. <i>Fall.</i></p> | <p>EEX 3861 ED-CFCS 6(0,16) Internship I: PR: EDG 4323, RED 3012, EEX 2010, EEX 3241. Satisfactory completion of the portfolio. Internship assignment 2 days a week under a certified exceptional education teacher. Half in elementary, half in secondary. Graded S/U. <i>Occasional.</i></p> |
| <p>EES 5605 ECS-CEE 3(3,0) Outdoor Noise Control: PR: C.I. Community noise evaluation and control, legislative standards, instrumentation and measurement, abatement methods, and noise modeling. <i>Occasional.</i></p> | <p>EET 4732C ECS-ENT 4(3,3) Feedback Control Systems: PR: EET 3716 and PHY 2053C. Modeling and analysis of networks and control systems. Stability and compensation considerations, using root locus, Nichols chart and Bode plots. Simulation techniques, system components. <i>Spring.</i> M&S fee: \$10.00</p> | <p>EEX 3942 ED-CFCS 3(3,0) Internship I Exceptional Education: PR: EDG 4410, RED 3012, EEX 2010, EEX 3241, MAE 2801. Student teaching in exceptional education in both elementary and secondary school settings under the supervision of a certified classroom teacher. Graded S/U. <i>Fall, Spring.</i></p> |
| <p>EET 2025C ECS-ENT 4(3,2) Electrical Circuits: PR: EET 1015C or EET 3085C. Frequency domain and steady state analysis of electric circuits: RCL circuits, timed circuits, resonance and "Q," filters, magnetically coupled circuits, transformers, 3-phase circuits, power relationships. <i>Occasional.</i> M&S fee: \$10.00</p> | <p>EET 4915C ECS-ENT 3(1,4) Senior Design Project: PR: Electronics Engineering Technology senior entering anticipated graduation semester or C.I. Individual or group project involving project definition planning, development, test and evaluation. Progress reports, final oral presentation and final written report required. <i>Occasional.</i></p> | <p>EEX 4054 ED-CFCS 2(2,0) Application and Theories for Students with Special Needs: PR: EEX 2010, EDG 4323. Theories and historical foundations for students with specific learning, physical, cognitive, and emotional disabilities. <i>Spring.</i></p> |
| <p>EET 3085C ECS-ENT 4(3,2) Electricity and Electronics: PR: MAC 1105 or equivalent. Basic theorems and circuit analysis techniques. Instruments and measurements. Introduction to integrated circuits. <i>Occasional.</i> M&S fee: \$10.00</p> | <p>EET 2010 ED-CFCS 3(3,0) Introduction to Special Education: Orientation to the education of children and adolescents with special needs in the schools. The course includes characteristics, trends, mainstreaming, and other issues. <i>Fall, Spring.</i></p> | <p>EEX 4066 ED-CFCS 3(3,0) Curriculum, Theory and Instructional Strategies for Students with Special Needs: PR: EEX 3241, RED 3012, LAE 4314. Theoretical concepts, curriculum development and specialized strategies for students with special needs. <i>Occasional.</i></p> |
| <p>EET 3086 ECS-ENT 4(4,0) Principles of Electrical Circuits: PR: MAC 1105. DC, AC circuits and electronics. Theorems and circuit analysis techniques. Diodes and transistors circuit applications. Introduction to transducers, instrumentation, measurements and integrated circuits. <i>Occasional.</i></p> | <p>EEX 2090 ED-CFCS 3(3,0) Exceptional Populations in School and Society: Characteristics of exceptionalities in school and society to increase student awareness and comfort levels with individuals with exceptionalities. <i>Fall, Even Spring.</i></p> | <p>EEX 4070 ED-CFCS 3(3,0) Teaching Exceptional Students: PR: EDG 4323. Development and practice of effective teaching and management strategies for elementary regular classroom teachers to use in working with mild disabilities. <i>Fall, Spring.</i></p> |
| <p>EET 3143C ECS-ENT 4(3,2) Electronic Devices and Circuits: PR: DC & AC Circuits; MAC 1114. Theory, characteristics, operational parameters, circuits and applications of solid state electronic devices. Bipolar and field effect transistors, multistage amplifiers, power amplifiers. <i>Occasional.</i></p> | <p>EEX 2758 ED-CFCS 2(2,0) Enhancing Family Involvement in Education: Development of partnerships with families of students with disabilities and their communities to address the educational needs of all students. <i>Fall, Spring.</i></p> | <p>EEX 4242 ED-CFCS 3(3,0) Teaching Exceptional Students in Secondary Settings: PR: EDG 2701, EDG 4323. Instructional and management strategies for secondary general education teachers to use in working with students with disabilities. <i>Fall, Spring.</i></p> |
| <p>EET 3716 ECS-ENT 3(3,0) Network Analysis: PR: DC/AC circuits and Calculus I. Transient analysis of first and second-order circuits, circuit analysis using LaPlace Transforms. Transform function, frequency response analysis, and Bode plots. May be repeated for credit. <i>Spring.</i></p> | <p>EEX 3102 ED-CFCS 3(3,0) Language Development and Communication Disorders: PR: Junior standing. Interdisciplinary approach to language development, identification and remediation of communication and language disorders. <i>Occasional.</i></p> | <p>EEX 4601 ED-CFCS 3(3,0) Introduction to Behavior Management: Study of management techniques based on applied behavioral analysis principles for modifying inappropriate behaviors and maintaining appropriate behaviors of exceptional students. <i>Fall, Spring.</i></p> |
| <p>EET 4158C ECS-ENT 3(2,2) Linear Integrated Circuits: PR: EET 3716, or Consent of Coordinator. Applications of operational amplifiers, comparators, phase-locked loops, timers, regulators, other integrated circuits. Includes amplifiers, active filters, oscillators, differentiators and integrators. <i>Fall.</i> M&S fee: \$10.00</p> | <p>EEX 3221 ED-CFCS 3(3,0) Assessment of Exceptional Students: Formal and informal assessment techniques for screening, placement, program planning, program evaluation, and monitoring of progress of exceptional students. <i>Fall, Spring.</i></p> | <p>EEX 4751 ED-CFCS 3(3,0) Parent Involvement in Education: This course prepares students to successfully interact with and involve parents in their child's education. <i>Occasional.</i></p> |
| <p>EET 4329C ECS-ENT 4(3,2) Communications Systems: PR: EET 4158C. Electronics Devices Principles and interrelationships of communication system components and circuits. Signals, noise, modulation, demodulation, bandwidth requirements. Transmitters and receivers. <i>Occasional.</i> M&S fee: \$10.00</p> | <p>EEX 3241 ED-CFCS 3(3,0) Methods for Academic Skills for Exceptional Students: PR: EEX 2010, EEX 3861. Teaching strategies, instructional materials, and monitoring techniques for children and adolescents with special needs. Must be taken before Internship I. <i>Fall, Spring.</i></p> | <p>EEX 4753 ED-CFCS 3(3,0) Parent/professional Collaboration: The special educator's role in working with families, regular educators, and other professionals in a collaborative relationship. <i>Fall.</i></p> |
| <p>EET 4339C ECS-ENT 3(2,2) Antennas and Propagation: PR: EET 4329C. Transmission lines, impedance matching, use of Smith Chart. Antenna principles. Beamwidth, gain, directivity, effects of height, path-loss. System design. <i>Occasional.</i></p> | <p>EEX 3243 ED-CFCS 3(3,1) Techniques for Exceptional Adolescents-Adults: CR: EEX 3241. A study of strategies, basic and functional content, career and vocational educational, and transition planning for adolescents and adults with special needs. <i>Spring.</i></p> | <p>EEX 4757 ED-CFCS 3(3,0) Respite Care: PR: Junior Standing or C.I. General knowledge and best practice in the field of temporary care: the nature and needs of care givers and care recipients, including special populations. <i>Fall, Spring.</i></p> |
| <p>EET 4359C ECS-ENT 4(3,2) Digital Communications Systems: PR: EET 4158C. Theory and application of techniques utilized in digital data transmission and reception. <i>Occasional.</i></p> | <p>EEX 3450 ED-CFCS 3(3,0) Young Children With Special Needs: Provides an overview of the unique field of early childhood special education, its mission, and approaches to helping young children and their families. <i>Spring.</i></p> | <p>EEX 4763 ED-CFCS 3(3,0) Technology for Classroom Teachers of Students with Special Needs: PR: EEX 3241, RED 3012, LAE 4314, MAE 2801. Enhancing teacher preparation through the use of technology for students with special needs. <i>Fall, Spring.</i></p> |
| <p>EET 4389C ECS-ENT 3(2,2) Satellite Communication Systems: PR: EET 4329C. System analysis and design, Orbits, launching methods. Baseband signals and modulation. Link design, synchronization techniques. Interference, noise, access. Antennas, spectrum utilization. <i>Occasional.</i></p> | <p>EEX 3754 ED-CFCS 3(3,0) Parents as Educators: Develop parental awareness of their role in child development and school success. Attention given to social context of parenting and parents as advocates for children. <i>Occasional.</i></p> | <p>EEX 4943 ED-CFCS 12(0,35) Internship II: PR: Completion of specialization. Satisfactory completion of the portfolio. Full day student teaching under a certified special education teacher in an elementary or secondary school. May be repeated for credit. Graded S/U. <i>Occasional.</i></p> |
| | | <p>EEX 5051 ED-CFCS 3(3,0) Exceptional Children in the Schools: PR: Senior standing or C.I. Characteristics, definitions, educational problems, and appropriate educational programs for the exceptional children in schools. <i>Fall, Spring.</i></p> |

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| <p>EEX 5702 ED-CFCS 3(3,0) Planning Curriculum for Pre-kindergarten Children with Disabilities: Focus on curriculum planning; developmentally appropriate practices and implementation of individualized instruction for pre-kindergarten children with disabilities. <i>Odd Spring.</i></p> | <p>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 1036C, EDG 1005C or HSC 1931C. Provides experiential leadership experience in an appropriate leadership setting under the direction of a university supervisor with the LEAD Scholars Program. May be repeated for credit. <i>Occasional.</i></p> | <p>EGN 3373 ECS-ECE 3(3,0) Principles of Electrical Engineering: PR: PHY 2049; CR: MAP 2302. Fundamentals of electrical circuits and analysis; fundamentals of electronics and AC power systems, transformers, electromechanics and rotating machines. <i>Fall, Spring.</i></p> |
| <p>EEX 5750 ED-CFCS 3(3,0) Communication with Parents and Agencies: Presentation of methods of interacting with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition. <i>Occasional.</i></p> | <p>EGN 3060C ECS-ECS 3(2,3) Introduction to Robotics: PR: Engineering majors take EGN 1007C and (EEL 3004 or EGN 3373) ; Computer Science majors take COP 3330, COP 3503C and COT 3960. Introduction to classical and modern topics in robotics: mechanisms and mechatronics, sensors, data processing, and vision, kinematics and dynamics, path and motion planning, controls, AI and evolutionary computing, cooperative control and behaviors. <i>Occasional.</i></p> | <p>EGN 3373H ECS-ECE 3(3,0) Principles of Electrical Engineering Honors: PR: Permission of Honors and PHY 2049, CR: MAP 2302. Fundamentals of electronics and AC power systems, transformers, electromechanics and rotating machines. <i>Spring.</i></p> |
| <p>EGM 3601 ECS-MMAE 3(3,0) Solid Mechanics: PR: EGN 3310 and "C" (2.0) or better in the following MAC 2311, MAC 2312, MAC 2313 and PHY 2048 CR: MAP 2302. Concepts of stress, strain, deflection; axial force, torsion, bending, combined stress, Mohr's circle, failure theories, design concepts, application to machines and vehicles. <i>Fall, Spring.</i></p> | <p>EGN 3211 ECS-ECE 3(3,0) Engineering Analysis and Computation: PR: MAC 2311. Engineering analysis and computation with structured constructs. Subscripted variables, subprograms, input/output. Batch processing and time sharing. Engineering applications will be emphasized. <i>Fall, Spring.</i></p> | <p>EGN 3420 ECS-ECE 3(3,0) Engineering Analysis: PR: High-level computer language; MAC 2312. Engineering applications of numerical methods including curve fitting, matrix operations, root finding, interpolating, integration and plotting. <i>Fall, Spring.</i></p> |
| <p>EGM 3601L ECS-MMAE 1(0,3) Solid Mechanics Lab: CR: EGM 3601. Solid Mechanics Laboratory experiments covering topics such as Tension/compression testing, torsion testing, strain gage measurements, buckling testing, beam bending/deflection testing. <i>Fall, Spring.</i> M&S fee: \$15.00</p> | <p>EGN 3310 ECS-CEE 3(3,0) Engineering Analysis-Statics: PR: PHY 2048; CR: MAC 2312. Fundamental concepts of mechanics, including resultants of force systems, free-body diagrams, equilibrium of rigid bodies, and analyses of structures. <i>Fall, Spring.</i></p> | <p>EGN 3613 ECS-IEMS 2(2,0) Engineering Economic Analysis: PR: ECO 2013. Economic evaluation of engineering alternatives and design. Time value of money and economic impact of taxes, risk, depreciation. <i>Fall, Spring.</i></p> |
| <p>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. <i>Fall.</i> M&S fee: \$5.00</p> | <p>EGN 3310H ECS-CEE 3(3,0) Engineering Analysis-Statics (Honors): PR: Permission of Honors and PHY 2048; CR: MAC 2312. (Honors section for EGN 3310) Advanced treatment of material and additional topics. More challenging assignments. Project work. May be repeated for credit. <i>Fall.</i></p> | <p>EGN 3843 ECS-IEMS 3(3,0) Systems Modeling: PR: CGS 1060C or equivalent. Representation of man/machine systems through analytical and computer-based models. Case studies in the analysis and improvement of systems in industry, education, and government. <i>Occasional.</i></p> |
| <p>EGN 1007C ECS-ECS 1(1,2) Engineering Concepts and Methods: PR: New student status or C.I., EGN 1006C and ENC 1101; CR: SPC 1016. Introduction to the use of computer and applications software in solving engineering problems. Introduction to the concepts of engineering design through the use of teams: engineering communication; engineering professionalism and ethics. <i>Spring.</i> M&S fee: \$5.00</p> | <p>EGN 3321 ECS-MMAE 3(3,0) Engineering Analysis-Dynamics: PR: EGN 3310; CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum. <i>Fall, Spring.</i></p> | <p>EGN 4412C ECS-MMAE 3(1,5) Interdisciplinary Design I: PR: Industrial: EIN 4364C; Comp and Elect: EEE 3307C, EEL 3657, EEL 3552C, EEL 3801C; Aero: EAS 3810C, CR: EML 4312C, EAS 4404C; Comp Sci: COT 3960, COP 3503C; Mech: EML 3500, EML 3701, EML 3303C, CR: EML 4312C, EML 4804C. 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. <i>Fall.</i></p> |
| <p>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. <i>Fall, Spring.</i></p> | <p>EGN 3321H ECS-MMAE 3(3,0) Engineering Analysis - Dynamics Honors: PR: Permission of Honors and EGN 3310. Kinematics and kinetics of particles and rigid bodies; mass and acceleration; work and energy; impulse and momentum. <i>Occasional.</i></p> | <p>EGN 4413C ECS-MMAE 3(1,5) Interdisciplinary Design II: PR: EGN 4412C. Continuation of Interdisciplinary Design I May be repeated for credit. <i>Spring.</i></p> |
| <p>EGN 1050C ECS-ECS 3(2,2) The Digital Universe: PR: High School Algebra or Trigonometry. Science, math, engineering, and technology fundamentals of the information technology. Historical significance of the advances in digital technology. Real world applications. Hands-on laboratories using digital signal processor kits. <i>Occasional.</i></p> | <p>EGN 3331 ECS-CEE 3(3,0) Mechanics of Materials: PR: EGN 3310 with a grade of "C" or better; CR: MAP 2302. Concepts of stress, strain, strength, deflection of axial force members, shafts in torsion, beams in flexure, combined stress, stability of columns, and design of simple elements. <i>Fall, Spring.</i></p> | <p>EGN 4624 ECS-IEMS 3(3,0) Engineering Administration: PR: Senior standing. Engineering organization and administration; delegation of authority and responsibility; effective use of resources; project management; R and D planning; ethics in professional practice. <i>Fall, Spring.</i></p> |
| <p>EGN 1111C ECS-MMAE 2(1,3) Engineering Computer Graphics: PR: Trigonometry. Spatial visualization, sketching and graphical presentation as a form of computerized engineering communication. Engineering drawing, descriptive geometry and graphical solution techniques using computer software. <i>Fall, Spring.</i> M&S fee: \$10.00</p> | <p>EGN 3343 ECS-MMAE 3(3,0) Thermodynamics: CR: EGN 3321, MAP 2302. Work, heat, and energy transformations. Relation of properties. Laws, concepts, and modes of analysis common to all applications of thermodynamics in engineering. <i>Fall, Spring.</i></p> | <p>EGN 4706C ECS-MMAE 3(2,4) Small Satellite Payloads and Integration: PR: EML 3303C 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. <i>Occasional.</i></p> |
| <p>EGN 1360 ECS-MMAE 3(3,0) Materials in Today's World: A survey of the properties, manufacture, and uses of metals, ceramics, and polymers in today's world with emphasis on modern developments and new materials. <i>Occasional.</i></p> | <p>EGN 3358 ECS-MMAE 3(3,0) Thermo-Fluids-Heat Transfer: PR: EGN 3310, MAP 2302. Introduction to first and second laws of thermodynamics, continuum fluid mechanics, and heat transfer for electrical, industrial, and computer engineering majors. <i>Fall, Spring.</i></p> | <p>EGN 4707C ECS-MMAE 3(2,4) Processing Space-Launch Systems: PR: For ECE: EEL 3552C or EEL 4767C; For IEMS: ESI 4523C; 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. <i>Occasional.</i></p> |
| <p>EGN 2815C ECS-MMAE 3(2,3) Space Science and Technology: Past, Present, and Future: Introduction to space technology, past, present and future. Applications to modern life. <i>Occasional.</i></p> | <p>EGN 3365 ECS-MMAE 3(3,0) Structure and Properties of Materials: PR: CHS 1440 and MAC 2312. Atomic structure and bonding, crystal structure and imperfections, solidification, phase transformations, phase diagrams, heat treatment, mechanical & electrical properties, materials characterization techniques. <i>Fall, Spring.</i></p> | <p>EGN 4824 ECS-ENT 3(3,0) Energy and Society: Investigation of available energy forms; energy resources versus requirements in an increasingly complex technological society; possible solutions and future predictions. <i>Occasional.</i></p> |
| | | <p>EGN 4830 ECS-ENT 3(3,0) Telecommunications: Telecommunications and its role in contemporary local, national, and international society. <i>Occasional.</i></p> |

UCF Courses and Descriptions

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| EGN 4921C | ECS-ECS | 2(2,1) | EIN 3354 | ECS-IEMS | 3(3,0) | EIN 4891C | ECS-IEMS | 3(2,3) |
| Interdisciplinary Research and Development I: PR: Junior standing in Engineering or Computer Science major. Research and methodology seminar. Topics to include: intellectual property, patents, global R&D, dissemination of findings. Seminar presentations by guest research lecturers. <i>Occasional.</i> | | | Principles of Cost Engineering: PR: EGN 3613. This course is to provide engineers from all disciplines the background for the cost estimation of engineering systems throughout the product life cycle. <i>Fall.</i> | | | Industrial Engineering Senior Design Project: PR: EGN 4516C, Senior standing. Capstone design course; application of IEMS techniques to real-world design applications. <i>Spring.</i> M&S fee: \$15.00 | | |
| EGN 4922C | ECS-ECS | 2(1,1) | EIN 4191C | ECS-IEMS | 2(2,2) | EIN 5108 | ECS-IEMS | 3(3,0) |
| Interdisciplinary Research and Development II: PR: EGN 4921C. Continuation of EGN 4921C. <i>Occasional.</i> | | | Engineering Leadership Seminar I: PR: Junior or better standing in engineering with C.I. Progressive engineering leadership development (intrapersonal to interpersonal to organizational to community) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. <i>Fall.</i> | | | The Environment of Technical Organizations: PR: Graduate status or CI; 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. <i>Fall.</i> | | |
| EGN 4931H | ECS-ECS | 3(3,0) | EIN 4192C | ECS-IEMS | 2(2,2) | EIN 5117 | ECS-IEMS | 3(3,0) |
| Engineering Honors Seminar: PR: Permission of Honors and Senior standing and C.I. Introduces a select group of students in engineering or other fields of science to the methodology commonly employed in research. Students will carry out independent research which will prepare them for graduate study. <i>Occasional.</i> | | | Engineering Leadership Seminar II: PR: EIN 4191C. Continuation of EIN 4191C. <i>Spring.</i> | | | Management Information Systems I: PR: C.I. The design and implementation of computer-based Management Information Systems. Consideration is given to the organizational, managerial, and economic aspects of MIS. <i>Spring.</i> | | |
| EGN 4933C | ECS-ECS | 1(1,1) | EIN 4214 | ECS-IEMS | 3(3,0) | EIN 5140 | ECS-IEMS | 3(3,0) |
| Professional Practice I: PR: Junior standing in engineering or computer science. Contemporary global technical issues, professional development, life long learning, and ethical responsibilities. Community service and/or community outreach projects required. <i>Occasional.</i> | | | Safety Engineering and Administration: Analysis of accidents in the industrial operating environment. Application of fault trees, OSHA requirements. Consideration of accident costs and organizational aspects of accident prevention. <i>Occasional.</i> | | | Project Engineering: PR: Graduate standing or C.I. Role of engineer in project management with emphasis on project life cycle, quantitative and qualitative methods of cost, schedule, and performance control. <i>Fall, Spring.</i> | | |
| EGN 4934C | ECS-ECS | 2(1,2) | EIN 4243C | ECS-IEMS | 3(2,2) | EIN 5248C | ECS-IEMS | 3(2,2) |
| Professional Practice II: PR: EGN 4933C. Continuation of EGN 4933C. <i>Occasional.</i> | | | Human Engineering: PR: EIN 3314C; Senior standing. Man/machine systems; design and conduct of human engineering studies. <i>Spring.</i> M&S fee: \$20.00 | | | Ergonomics: PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipments, and workstations. <i>Fall.</i> M&S fee: \$20.00 | | |
| EGN 5035 | ECS-ECS | 3(3,0) | EIN 4333C | ECS-IEMS | 3(2,3) | EIN 5251 | ECS-IEMS | 3(3,0) |
| Topics in Technological Development: PR: C.I. Selected topics in the technological development of western civilization including the weight-driven clock, steam engine, electric light, etc. <i>Occasional.</i> | | | Industrial Control Systems: PR: ESI 4312. Decision rules in industrial environment including Forecasting, Production Planning, Scheduling, Inventory Control, and Project Monitoring. Laboratory assignments. <i>Spring.</i> M&S fee: \$20.00 | | | Usability Engineering: PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walkthroughs; heuristic, review-based, model-based, empirical and storyboard evaluation; techniques: query techniques; laboratory techniques; and field study approaches. <i>Occasional.</i> | | |
| EGN 5720 | ECS-IEMS | 3(2,3) | EIN 4364C | ECS-IEMS | 3(2,2) | EIN 5255C | ECS-IEMS | 3(2,2) |
| Internal Combustion Engine Analysis and Optimization: PR: EGN 3343 or EGN 3358 or C.I. Internal combustion engine operating principles. Topics covered include engine design and operating parameters, combustion, thermodynamics, induction flow, and basic mathematical models. <i>Even Fall, Even Spring.</i> M&S fee: \$45.00 | | | Industrial Facilities Planning and Design: PR: EIN 3314C, EIN 3354 CR:EIN 4333C, EIN 4391C. Comprehensive design of industrial production systems, including interrelationships of plant location, process design, and materials handling. Laboratory assignments. <i>Spring.</i> M&S fee: \$20.00 | | | Interactive Simulation: PR: Graduate standing or C.I. Introduction to significant topics relative to the development and use of simulators for knowledge transfer in the technical environment. <i>Fall, Spring.</i> | | |
| EGN 5840 | ECS-MMAE | 3(3,0) | EIN 4391C | ECS-IEMS | 3(2,2) | EIN 5317 | ECS-IEMS | 3(3,0) |
| Small Rocket Applications for Teachers: PR: Admission to Martin Marietta/UCF 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. <i>Occasional.</i> | | | Manufacturing Engineering: PR: EGN 3365. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. <i>Fall.</i> M&S fee: \$20.00 | | | Training System Design: PR: seniors, post bac or graduate standing or CI. How human performance deficiencies should be addressed from a systems design point of view. Manpower, personnel, and training considerations will be examined. <i>Fall.</i> | | |
| EGN 5855C | ECS-IEMS | 3(2,2) | EIN 4450 | ECS-IEMS | 3(3,0) | EIN 5346 | ECS-IEMS | 3(3,0) |
| Metrology: PR: EIN 4391C or C.I. Advanced topics in inspection and measurement with applications in engineering and manufacturing. <i>Occasional.</i> | | | Principles of Concurrent Engineering: PR: EGN 3613 or C.I. Elements of concurrent engineering and its application. Topics include quality function deployment and design for manufacturing and assembly. <i>Even Spring.</i> | | | Engineering Logistics: Study of the logistics life cycle involving planning, analysis and design, testing, production, distribution, and support. <i>Occasional.</i> | | |
| EGN 5858C | ECS-IEMS | 3(2,1) | EIN 4516C | ECS-IEMS | 3(2,2) | EIN 5356 | ECS-IEMS | 3(3,0) |
| Prototyping and Product Realization: PR: Basic knowledge and/or experience in CAD/CAM technology or C.I. Product design and development cycle including design for functionality and manufacturability. Fundamentals, applications and practice of rapid prototyping and reverse engineering technologies. <i>Spring.</i> M&S fee: \$45.00 | | | Systems Analysis and Design: PR: EIN 4364C. Systems analysis methodology, system requirements, specifications, system design methodology and decision support. Consulting skills and client interactions. Initiation of senior design projects. <i>Fall.</i> M&S fee: \$20.00 | | | Cost Engineering: Cost estimation and control of engineering systems throughout the product life cycle. <i>Spring.</i> | | |
| EIN 3000 | ECS-IEMS | 2(2,0) | EIN 4545C | ECS-IEMS | 3(2,2) | EIN 5368C | ECS-IEMS | 3(2,2) |
| Introduction to Industrial Engineering and Management Systems: Issues important to the operation of an industrial or service facility. <i>Fall.</i> | | | Industrial Engineering Applications in The Service Industries: PR: EIN 3314C, ESI 4312, ESI 4234 or CI. Application of industrial engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. <i>Even Fall.</i> | | | Integrated Factory Automation Systems: PR: EIN 4391C or C. I. Automated material handling systems, industrial robots, automated guided vehicles, automated storage and retrieval systems, economics, justification. <i>Odd Fall.</i> M&S fee: \$20.00 | | |
| EIN 3314C | ECS-IEMS | 3(2,2) | EIN 4621C | ECS-IEMS | 3(2,2) | EIN 5388 | ECS-IEMS | 3(3,0) |
| Work Measurement & Design: PR: STA 3032. Management standards for evaluation and control of man and man/machine systems. Flow and operations analysis, work measurement, job evaluations. Laboratory assignments. <i>Fall.</i> M&S fee: \$20.00 | | | Computer-Aided-Manufacturing: PR: EIN 4391C. Computer-Aided-Manufacturing (CAM) including computer numerical control (CNC), robotics, parts classification (GT) and manufacturing resource planning (MRP). <i>Occasional.</i> M&S fee: \$45.00 | | | Forecasting: PR: ESI 5219. Industrial applications of forecasting methods with emphasis on microcomputer-based packages. <i>Occasional.</i> | | |
| | | | | | | EIN 5392C | ECS-IEMS | 3(2,2) |
| | | | | | | Manufacturing Systems Engineering: PR: EIN 4391C or C.I. The integration of manufacturing technologies and information processing concepts into a system for controlling the manufacturing enterprise. <i>Even Spring.</i> M&S fee: \$20.00 | | |

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| <p>EIN 5607C ECS-IEMS 3(2,2) Computer Control of Manufacturing Systems: PR: EIN 4391C, and EIN 4621C or EML 4535C; or C.I. Automated systems for manufacturing, numerical control (NC) machines, NC programming, robot control and programming, machine and system control. <i>Odd Spring.</i> M&S fee: \$45.00</p> | <p>EMA 4102 ECS-MMAE 3(3,0) Thermodynamics and Kinetics of Materials: PR: EGN 3343, EGN 3365 or EMA 3706; and a "C" (2,0) or better in all of the following: CHS 1440 or CHM 2045C, MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Application of first, second and third laws of thermodynamics to materials, phase diagrams, statistical thermodynamics, kinetic processes in materials, diffusion, nucleation and growth, and phase transformations. <i>Fall.</i></p> | <p>EMA 5108 ECS-MMAE 3(3,0) Surface Science: PR: PHY 2049 and C.I. Methods of chemical and physical analysis of surfaces, with emphasis on ultra-high vacuum spectroscopies utilizing electron, ion and photon probes. <i>Occasional.</i></p> |
| <p>EIN 5936 ECS-IEMS 1(1,0) Seminar in Industrial Engineering: Doctoral Research: PR: C.I. Essential topics for doctoral research including research areas, skills, funding, proposals, ethics, mentors, seminars, societies, conferences, presentations, interviewing, grants, and publishing. <i>Fall.</i></p> | <p>EMA 4103 ECS-ENT 3(3,0) Space Environment Technology: PR: MAC 2253, PHY 2053C. The space environment and how it affects manufacturing of space elements to withstand the harsh space environment. <i>Occasional.</i></p> | <p>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. <i>Occasional.</i></p> |
| <p>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. <i>Occasional.</i></p> | <p>EMA 4223 ECS-MMAE 3(3,0) Fundamentals of Mechanical Behavior of Materials: PR: EGM 3601, and EGN 3365 or EMA 3706. Elementary treatment of elasticity, plasticity, viscoelasticity, creep, fracture, and fatigue. <i>Spring.</i></p> | <p>EMA 5317 ECS-MMAE 3(3,0) Materials Kinetics: PR: C.I. Mass and thermal transport, phase transformations and Arrhenius rate processes. <i>Occasional.</i></p> |
| <p>ELD 4241 ED-CFCS 4(4,0) Introduction and Program Planning for Specific Learning Disabilities: PR: EEX 2010. Theories and historical foundations of specific learning disabilities and the development of highly specialized techniques and curriculum materials. <i>Occasional.</i></p> | <p>EMA 4413 ECS-MMAE 3(3,0) Fundamentals of Electronic Materials: PR: EGN 3365. Electronic processes in solids. Electrical, magnetic, and optical properties of solids. Electron energies in solids. Superconducting materials. <i>Spring.</i></p> | <p>EMA 5326 ECS-MMAE 3(3,0) Corrosion Science and Engineering: PR: EGN 3365. Electrochemical principles and applications to detecting and monitoring corrosion processes. Various forms of corrosion, their causes and control. Techniques of corrosion protection. <i>Occasional.</i></p> |
| <p>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. <i>Occasional.</i></p> | <p>EMA 4501 ECS-MMAE 3(2,2) Scanning Electron Microscopy: PR: EGN 3365 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. <i>Occasional.</i></p> | <p>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. <i>Fall.</i></p> |
| <p>EMA 1002 ECS-MMAE 3(3,0) Materials in Today's World: A survey of the properties, manufacture, and uses of metals, ceramics, and polymers in today's world with emphasis on modern developments and new materials. <i>Occasional.</i></p> | <p>EMA 4503 ECS-MMAE 3(3,0) Materials Characterization Techniques: PR: EMA 3012C, and EGN 3365 or EMA 3706. Theory and practice of commonly used techniques for characterization of crystal structure, microstructure and chemistry. <i>Occasional.</i></p> | <p>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. <i>Occasional.</i></p> |
| <p>EMA 3000 ECS-MMAE 3(3,0) Engineering Polymeric, Ceramic, and Composite Materials: PR: EGN 3365. Structure, properties, processing of engineering polymeric, ceramic, and composite materials. <i>Occasional.</i></p> | <p>EMA 4506 ECS-MMAE 3(3,0) Emerging Materials: PR: EGN 3365, or EMA 3706. Structure, properties and processing of modern emerging materials. <i>Occasional.</i></p> | <p>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. <i>Occasional.</i></p> |
| <p>EMA 3012C ECS-MMAE 3(2,2) Experimental Techniques in Mechanics and Materials: PR: EGN 3365, EGM 3601. Materials characterization (optical and scanning electron microscopy, x-ray diffraction), heat treatment, mechanical testing (hardness, tensile, impact, etc.). <i>Fall, Spring.</i> M&S fee: \$45.00</p> | <p>EMA 4606 ECS-MMAE 3(3,0) Transport Phenomena in Materials Processing: PR: EGN 3365, EGN 3343 or EGN 3358. Conservation equations, fluid flow, heat transfer, free and moving boundaries, solidification, single-phase and multi-phase materials, alloys, solute rejection, microstructure, macrosegregation. <i>Occasional.</i></p> | <p>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. <i>Occasional.</i></p> |
| <p>EMA 3014 ECS-MMAE 3(3,0) Nanomaterials Characterization and Applications: PR: EMA 3691. Microstructural and mechanical characterization of nanostructures, nano-coatings, corrosion, magnetics, quantum dots for solar cells, materials for hydrogen economy, laboratory on material characterization. <i>Occasional.</i></p> | <p>EMA 4701C ECS-MMAE 3(2,4) Materials Performance in Space Applications: PR: EGN 3365. Laboratory failure analysis of materials within space-related environments. <i>Occasional.</i></p> | <p>EMA 5584 ECS-MMAE 3(3,0) Biomaterials: PR: EGN 3365. Properties of natural biological materials and their relation to microstructure, biocompatibility, specific applications in orthopedic, cardiovascular, visual, neural, and reconstruction implants. <i>Even Spring.</i></p> |
| <p>EMA 3124 ECS-MMAE 3(3,0) Design and Selection of Materials: PR: EGM 3601, and EGN 3365 or EMA 3706. Relationship between processing, structure and properties of various engineering materials and their selection in engineering design. <i>Fall.</i></p> | <p>EMA 5060 ECS-MMAE 3(3,0) Polymer Science and Engineering: PR: EGN 3365. Structure and properties of polymers, preparation and processing of polymers, mechanical properties, use in manufacturing and high tech applications. <i>Occasional.</i></p> | <p>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. <i>Odd Fall.</i></p> |
| <p>EMA 3691 ECS-MMAE 3(3,0) Nanomaterials Process Engineering: PR: CHS 1440 or CHM 2045C, and PHY 2048 or PHY 2053C. Nanomaterials, processing, nanomachining, nanocompositions, nanocomposites and computations of devices. <i>Occasional.</i></p> | <p>EMA 5104 ECS-MMAE 3(3,0) Intermediate Structure and Properties of Materials: PR: EGN 3365. Fundamentals of dislocation theory, metallurgical thermodynamics and diffusion. Phase transformations, strengthening mechanisms and fracture. Introduction to engineering polymers, ceramics, and composites. <i>Fall.</i></p> | <p>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, AMDS-1D modeling of c-Si, GaAs bulk and a-Si:H, CIGS, and CdTe thin film solar cells. May be repeated for credit. <i>Occasional.</i></p> |
| <p>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. <i>Fall.</i></p> | <p>EMA 5106 ECS-MMAE 3(3,0) Metallurgical Thermodynamics: PR: EGN 3365. Laws of thermodynamics, phase equilibria, reactions between condensed and gaseous phases, reaction equilibria in condensed solution and phase diagrams. <i>Occasional.</i></p> | <p>EMA 5587C ECS-MMAE 3(2,2) Characterization and Reliability of PV Cells: PR: EGN 3365. Photovoltaic characterization of solar cells, dark and light I-V, C-V, and quantum efficiency, physics of failure of microelectronic devices, solder bonds, encapsulation, PV module reliability. <i>Occasional.</i></p> |

UCF Courses and Descriptions

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| EMA 5588 | ECS-MMAE | 3(3,0) | EML 3001C | ECS-MMAE | 1(1,2) | EML 4220 | ECS-MMAE | 3(3,0) |
| Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and bioactivity; Cell-biomaterials interactions; Engineering bone & cartilage; Soft-tissue replacements; Total hip replacements; Nanostructured biomaterials, Imaging techniques, Preservation techniques for biomaterials, MSDS and FDA compatibility data. <i>Occasional.</i> | | | Machine Shop Practice: PR: EGN 1111C or C.I. Set up and operation of mill and lathe, cutting tools, holding devices, cutting speeds and feed rates. Measurement devices. Hands-on experience. <i>Occasional.</i> M&S fee: \$15.00 | | | Vibration Analysis: PR: EGN 3321, EGM 3601 and EML 3034C. Undamped and damped vibration of single degree freedom systems. Forced vibration. Transient response. Multiple degree of freedom systems. Normal modes. <i>Spring.</i> | | |
| EMA 5610 | ECS-MMAE | 3(3,0) | EML 3034 | ECS-MMAE | 3(3,0) | EML 4260 | ECS-MMAE | 3(3,0) |
| Laser Materials Processing: PR: EGN 3343 or EMA 5106 or C.I. Laser beam optics; laser-material interactions; laser heating, melting, vaporization. Plasma formation; laser surface treatment, welding, machining; laser material synthesis. Thin film deposition, crystal growth. <i>Occasional.</i> | | | Modeling Methods in Mechanical and Aerospace Engineering: PR: "C" (2.0) or better in all of the following prerequisites: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048; CR: EGN 3321. Computer aided modeling of mechanical and aerospace systems. Solution methods. Curve fitting. Numerical calculus and solution of differential equations with applications to mechanical and aerospace engineering. <i>Fall, Spring.</i> | | | Dynamics of Machinery: PR: EML 3262 and EML 4220. Critical speeds and response of flexible rotor systems, whirl, gyroscopic effects; balancing of rotating and reciprocating masses; cam dynamics. <i>Occasional.</i> | | |
| EMA 5705 | ECS-MMAE | 3(3,0) | EML 3101 | ECS-MMAE | 3(3,0) | EML 4264 | ECS-MMAE | 3(3,0) |
| High Temperature Materials: PR: EMA 5104 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation properties, aero- and land-based gas turbine requirements. <i>Occasional.</i> | | | Thermodynamics of Mechanical Systems: PR: EGN 3343 and a "C" (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Applied thermodynamics, availability analysis, thermodynamics of reactive and non-reactive mixtures, thermodynamic relations of properties. Thermodynamic design analysis of complete mechanical systems. <i>Fall.</i> | | | Vehicle Dynamics: PR: EML 3262 and EML 4220. Basic mechanics governing vehicle dynamics, performance and handling; acceleration, braking, ride, cornering, suspension, steering, rollover. <i>Occasional.</i> | | |
| EME 2040 | ED-ERTL | 3(3,0) | EML 3262 | ECS-MMAE | 3(3,0) | EML 4293 | ECS-MMAE | 3(3,0) |
| Technology for Educators: Introduction to technology for educators, including classroom management tools, multimedia, communication networks, interactivity, educational software and legal, ethical and social issues. <i>Fall, Spring.</i> M&S fee: \$1.00 | | | Kinematics of Mechanisms: PR: EGN 3321 and a "C" (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. <i>Fall.</i> | | | Essentials of Miniature Engineering Systems: PR: Graduate status or C.I. Engineering of miniature mechanical, thermal, energy, and electrical systems, including advantages, microfabrication methods, and future trends. <i>Occasional.</i> | | |
| EME 5050 | ED-ERTL | 3(3,0) | EML 3303C | ECS-MMAE | 3(2,3) | EML 4304C | ECS-MMAE | 2(1,3) |
| Fundamentals of Technology for Educators: PR: Post-bac or C.I. Designed to provide participants with an introduction to the field of educational technology content with emphasis on using and integrating technology in K-12 to improve the teaching and learning process. <i>Fall, Spring.</i> | | | Mechanical Engineering Measurements: PR: EGN 3343, CR: EGM 3601. Theory, calibration and use of instruments. Measurement techniques, data analysis, report writing. Laboratory topics related to mechanical engineering. <i>Fall.</i> M&S fee: \$15.00 | | | Design of Thermo-Mechanical Experiment: PR: EML 3303C, CR: EML 4142, EML 4220. Design of experiments in Thermo-Fluids and Mechanical systems with emphasis on project team activity. <i>Spring.</i> M&S fee: \$45.00 | | |
| EME 5051 | ED-ERTL | 3(3,0) | EML 3500 | ECS-MMAE | 3(3,0) | EML 4312C | ECS-MMAE | 3(2,3) |
| Technologies of Instruction & Information Management: PR: Acceptance into Ed Media program or C.I. Theories and practices in utilizing instructional media and information technologies. Emphasis on new and emerging technologies and their effects on the school and media program. <i>Fall.</i> | | | Machine Design and Analysis: PR: EGM 3601. Application of the principles of mechanics of materials to the design of mechanical elements. <i>Spring.</i> | | | Feedback Control: PR: EGN 3321, MAP 2302, EGN 3373 and EML 4220 or EAS 4210C. Mathematical modeling of dynamic systems: transient and steady state response; Root Locus and z-transform methods; discrete systems analysis; controller design. <i>Fall.</i> | | |
| EME 5053 | ED-ERTL | 3(3,0) | EML 3701 | ECS-MMAE | 3(3,0) | EML 4411 | ECS-MMAE | 3(3,0) |
| Electronic Resources for Education: PR: Graduate standing or C.I. Study and application of electronic resources available for education including techniques for locating, evaluating, and integrating them into the classroom. <i>Fall.</i> | | | Fluid Mechanics I: PR: EGN 3321, EGN 3343 and a "C" (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Principles of continuum fluid mechanics. Integral and differential forms of governing equations, fluid statics, dimensional analysis, measurements, internal flows. <i>Fall, Spring.</i> | | | Mechanical Power Systems: PR: EML 3101. Analysis and design of large power generating systems and components, with emphasis on steam plants utilizing both chemical and nuclear fuels. <i>Occasional.</i> | | |
| EME 5057 | ED-ERTL | 3(3,0) | EML 4005 | ECS-MMAE | 3(3,0) | EML 4501C | ECS-MMAE | 3(1,6) |
| Communication for Instructional Systems—Application: Applications of technology, communications theory, platform skills, and instructional design to the effective presentation of training programs and instruction. <i>Occasional.</i> | | | Design in Nature and Engineering: PR: EGN 3343 and EGM 3601. Design for function and invention, in both engineering and nature: economy, form, beauty, energy, mechanism, structure, evolution in nature. <i>Occasional.</i> | | | Engineering Design I: PR: EML 3500, EML 3701 and EML 3303C, CR: EML 4312C. Application of the design process in the team solution of a state-of-the-art problem. Aerospace, mechanical, thermo-fluid, or material problems are considered. <i>Fall, Spring.</i> M&S fee: \$15.00 | | |
| EME 5208 | ED-ERTL | 3(3,0) | EML 4024C | ECS-MMAE | 3(2,2) | EML 4502C | ECS-MMAE | 3(1,6) |
| Production Techniques for Instructional Settings: PR: Acceptance into Ed Media Program or C.I. Skills in producing instructional materials. Emphasis on graphic, audio, video, and photographic skills and the application of instructional and communication theories. <i>Spring.</i> | | | Engineering Design Practice: PR: EML 3034C and EML 3500 or EAS 4200. Basic CAD/CAM solid modeling techniques in a project oriented environment. Students will construct part models, drawings, and assemblies. Use of in-house software. <i>Fall, Spring.</i> M&S fee: \$15.00 | | | Engineering Design II: PR: EML 4501C. Continuation of the design process in the team building and testing of a prototype. A test plan and a test report are completed. <i>Fall, Spring.</i> M&S fee: \$45.00 | | |
| EME 5225 | ED-ERTL | 3(3,0) | EML 4142 | ECS-MMAE | 3(3,0) | EML 4535C | ECS-MMAE | 3(2,3) |
| Media for Children and Young Adults: PR: Acceptance into Ed Media Program or C.I. Survey of materials for children's and young adults' informational and recreational needs: analysis, evaluation, and utilization of print and non-print materials. <i>Spring.</i> | | | Heat Transfer: PR: EML 3701 and EML 3034C. Conduction, radiation, and convection heat transfer. Basic energy balances emphasized. Steady state and transient problems, analysis and design of simple heat exchangers. <i>Fall, Spring.</i> | | | CAD/CAM: PR: EGN 3343, EML 3034C, and EGM 3601; CR: EAS 4200 or EML 3500. CAD/CAM/FEM computational technology. Basic concepts. Concurrent engineering approach to mechanical, thermal, and aerospace systems design and analysis. Use of in-house software. <i>Fall, Spring.</i> M&S fee: \$15.00 | | |
| EME 5810 | ED-ERTL | 1(1,0) | EML 4145 | ECS-MMAE | 1(1,0) | EML 4600 | ECS-MMAE | 3(3,0) |
| Teaching and Learning with Technology: Overview of technologies for teaching and for learning. Practical strategies for using technology in the classroom. May be used in the degree program a maximum of 4 times. <i>Occasional.</i> | | | Topics in Heat Transfer: PR: EML 3701, EML 3034C; CR: EML 4142. Boiling and condensation heat transfer. Radiation heat transfer in enclosures without and with participating media. Multi-mode heat transfer. <i>Spring.</i> | | | HVAC Systems Engineering: PR: EGN 3343; CR: EML 3701, EML 3101. Heating, ventilation, air-conditioning, and refrigeration principles and systems design. Psychrometrics, heating and cooling loads, equipment and components, and distribution systems. <i>Fall.</i> | | |

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| EML 4804C | ECS-MMAE | 3(2,3) | EML 5290 | ECS-MMAE | 3(3,0) | EML 5605 | ECS-MMAE | 3(3,0) |
| Digital Control in Mechatronics: PR: EML 4312C and EML 3303C. Discrete microprocessor control of mechatronics dynamic systems using state-space representation, digital controllers, design for mechatronic applications. <i>Spring</i> . M&S fee: \$15.00 | | | Introduction to MEMS & Micromachining: PR: Graduate standing or C.I. Introduction of Micro-Electro-Mechanical-Systems (MEMS) and micromachining (microfabrication) methods. Etching and etching mask. Basics of silicon macromachining processing. Fundamentals of bulk micromachining. Thin film formation and surface micromachining. Microplating and LIGA process. Nonlithographic micromachining process including laser. May be repeated for credit. <i>Odd Fall</i> . | | | Applied HVAC Engineering: PR: EML 4600. Applications of HVAC systems design with the objective of optimizing energy efficiency, humidity control, ventilation and indoor air quality. May be repeated for credit. <i>Occasional</i> . | | |
| EML 5060 | ECS-MMAE | 3(3,0) | EML 5291 | ECS-MMAE | 3(3,0) | EML 5606 | ECS-MMAE | 3(3,0) |
| Mathematical Methods in Mechanical, Materials and Aerospace Engineering: PR: MAP 2302. Vector field theory, generalized coordinates, complex variables, contour integration and LaPlace and Fourier transforms and inversions, variable coefficient ODEs and solution of PDEs for governing equations of heat transfer, ideal fluid flow, and mechanics. <i>Fall</i> . | | | MEMS Materials: PR: EML 5060, EML 5211, or CI. Introduction of materials that are frequently used for MEMS applications such as silicon, metal, ceramics and polymers. The course will focus on fundamental principles involved in structures and properties of the materials, and their applications in MEMS. <i>Even Spring</i> . | | | HVAC Systems Engineering: PR: EML 3101, EML 4142, EML 3034C. Heating, ventilation, air-conditions and refrigeration principles, system design and analysis. May be repeated for credit. <i>Odd Fall</i> . | | |
| EML 5066 | ECS-MMAE | 3(3,0) | EML 5292 | ECS-MMAE | 3(3,0) | EML 5713 | ECS-MMAE | 3(3,0) |
| Computational Methods in Mechanical, Materials and Aerospace Engineering: PR: EML 3034C. Error Norms, interpolation and extrapolation, quadratures and adaptive quadratures, solutions of linear and nonlinear systems of equations, functional approximation, solution of ODE's and MWR. <i>Occasional</i> . | | | Fundamental Phenomenon and Scaling laws in Miniature Engineering Systems: PR: EML 5060, EML 5211, or CI. Introduction to meso-, micro-, and nano-scales, and related terminology, constitutive relationships at these scales and how these relationships affect the behavior and performance of systems. Effect of miniaturization on a few common engineering systems. <i>Odd Fall</i> . | | | Intermediate Fluid Mechanics: PR: EML 4703. CR: EML 5060. Fluid kinematics; conservation equations; Navier-Stokes equations; boundary layer flow, inviscid flow, circulation and vorticity; low Reynolds number flow; turbulence. <i>Occasional</i> . | | |
| EML 5105 | ECS-MMAE | 3(3,0) | EML 5311 | ECS-MMAE | 3(3,0) | EML 5760 | ECS-MMAE | 3(3,0) |
| Gas Kinetics and Statistical Thermodynamics: PR: EAS 4134 or EML 4703. Molecular and statistical viewpoint of gases and thermodynamics: Boltzmann collision integral, partition functions, non-equilibrium flows. Applications in thermo-fluid systems. <i>Occasional</i> . | | | System Control: PR: EML 4312C; CR: EML 5060. Modern control theory for linear and non-linear systems; controllability and observability. Linear state feedback and state estimators, compensator design. <i>Occasional</i> . | | | Biofluid Mechanics: PR: MAP 2302, EML 3701, EML 4703. Analysis of biomedical and bioengineering systems using principles of transport phenomena. Governing equations of fluid flow, circulatory systems blood flow, macro and microcirculation, and blood rheology. <i>Occasional</i> . | | |
| EML 5131 | ECS-MMAE | 3(3,0) | EML 5402 | ECS-MMAE | 3(3,0) | EML 5936 | ECS-MMAE | 1(1,0) |
| Combustion Phenomena: PR: EML 4703, EML 3101. Physical and chemical aspects of combustion phenomena. Rate processes, chemical kinetics, structure, propagation and stability of premixed and diffusion flames. <i>Occasional</i> . | | | Turbomachinery: PR: EML 3101, EML 4703 or EAS 4134. Application of the principles of fluid mechanics, thermodynamics, and aerodynamics to the design and analysis of steam and gas turbines, compressors, and pumps. <i>Occasional</i> . | | | Mechanical, Materials, & Aerospace Engineering Graduate Seminar: MMAE graduate student seminar. Graded S/U. <i>Occasional</i> . | | |
| EML 5152 | ECS-MMAE | 3(3,0) | EML 5532C | ECS-MMAE | 3(2,3) | EMR 4011 | ED-CFCS | 3(3,0) |
| Intermediate Heat Transfer: PR: EML 4142, EML 5060. An intermediate-level course dealing with heat and mass diffusion, boundary layer problems, and radiation from real bodies. Emphasis on combined modes, numerical methods. <i>Occasional</i> . | | | Computer-Aided Design for Manufacture: PR: EGN 4535C. Builds on introductory material covered in EML 4535C. Topics include computer modeling for the synthesis, simulation, design and manufacture of mechanical, thermal, and aerospace systems. <i>Even Fall, Spring</i> . M&S fee: \$15.00 | | | Intro to Mental Retardation: Nature and needs of mentally handicapped students with emphasis on etiology, prevention, identification, and application of effective practices and recognition of trends and standards. <i>Occasional</i> . | | |
| EML 5211 | ECS-MMAE | 3(3,0) | EML 5546 | ECS-MMAE | 3(3,0) | EMR 4362 | ED-CFCS | 4(4,0) |
| Continuum Mechanics: PR: EML 3500 or EML 4703 or EAS 4200 or C.I. Introduction to tensors; deformation and strain; stress; balance laws, applications in Newtonian fluid dynamics and isotropic linear elasticity. <i>Fall</i> . | | | Engineering Design with Composite Materials: PR: EML 5237. Mechanics of structural components of composite materials under static, thermal, vibratory loads. Instability. Lamina and laminate theory, energy methods, failure theories, and structural joining methods. <i>Occasional</i> . | | | Teaching Students with Mental Handicaps: PR: EEX 2010. Relationship between the characteristics of students with mental handicaps and specialized instructional materials, strategies and curriculum. <i>Occasional</i> . | | |
| EML 5224 | ECS-MMAE | 3(3,0) | EML 5572 | ECS-MMAE | 3(3,0) | EMR 4372 | ED-CFCS | 3(3,0) |
| Acoustics: PR: EML 4220. CR: EML 5060. Elements of vibration theory and wave motion; radiation, reflection, absorption, and transmission of acoustic waves; architectural acoustics; control and abatement of environmental noise pollution; transducers. <i>Occasional</i> . | | | Probabilistic Methods in Mechanical Design: PR: EML 3500, STA 3032. Uncertainty modeling in design. Use of probabilistic mathematics to assess strength, stiffness, toughness, and stability. Applications. <i>Occasional</i> . | | | Curriculum Method and Materials for Retarded Persons: PR: Senior standing. Development of highly specialized techniques, curriculum and materials to be used with students with mental retardation. <i>Occasional</i> . | | |
| EML 5228C | ECS-MMAE | 3(3,0) | EML 5587C | ECS-MMAE | 3(2,3) | ENC 1101 | CAH-ENG | 3(3,0) |
| Modal Analysis: PR: EML 3303C, EML 4220, and EML 5060. Theoretical basis. Measurement techniques, excitation, transducers, data acquisition. Detailed data analysis, modal parameter extraction, curve-fitting procedures. Modeling. <i>Occasional</i> . | | | Mechanics of Biostructures I: PR: Graduate standing or C.I. Part I of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc.) biostructures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. <i>Occasional</i> . | | | Composition I: Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. <i>Fall, Spring</i> . | | |
| EML 5237 | ECS-MMAE | 3(3,0) | EML 5588C | ECS-MMAE | 3(2,3) | ENC 1101H | CAH-ENG | 3(3,0) |
| Intermediate Mechanics of Materials: PR: EML 3500, EML 5060. Elements of elasticity. Failure theories. Bending and torsion. Thin plates. Energy principles. Thick-walled cylinders. Applications to design. <i>Occasional</i> . | | | Mechanics of Biostructures II: PR: EML 5587C. Part II of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc.) biostructures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. <i>Occasional</i> . | | | Honors Freshman Composition I: PR: Score of 60+ on TSWE of SAT or C.I. and permission of Honors. Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. Honors-level content. <i>Fall, Spring</i> . | | |
| EML 5245 | ECS-MMAE | 3(3,0) | EML 5271 | ECS-MMAE | 3(3,0) | ENC 1102 | CAH-ENG | 3(3,0) |
| Tribology: PR: EGN 3365, EGN 3331 and EML 3701. Principles of fluid film lubrication (liquid and gas, journal and thrust bearings), contact mechanics (rolling element bearings), design of bearings and load bearing surfaces, friction and wear of materials, tribotesting. <i>Occasional</i> . | | | Intermediate Dynamics: PR: EML 3321. Dynamics of particles, rigid bodies, and distributed mass systems. Hamilton's principle. Lagrange's equations. Numerical methods. Mechanisms. <i>Occasional</i> . | | | Composition II: PR: ENC 1101 with a grade of "C-" or better. Focus on extensive research in analytical and argumentative writing based on a variety of readings from the humanities. Emphasis on developing critical thinking and diversity of perspective. The "NC" grading policy applies to this course. <i>Fall, Spring</i> . | | |
| | | | | | | ENC 1102H | CAH-ENG | 3(3,0) |
| | | | | | | Honors Freshman Composition II: PR: ENC 1101H with a grade of "C-" or better or C.I. and permission of Honors. Same as ENC 1102, with honors-level content. Note on Freshman English Program: ENC 1101 and 1102 must be taken before enrolling in any English course numbered above 1102. The "NC" grading policy applies to this course. <i>Fall, Spring</i> . | | |

UCF Courses and Descriptions

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|---|---------|--------|--|---------|--------|---|---------|--------|
| ENC 2127 | CAH-ENG | 3(3,0) | ENC 4215 | CAH-ENG | 3(3,0) | ENC 4414 | CAH-ENG | 3(3,0) |
| Grammar and Composition: A systematic study of grammar and mechanics to improve editing for clarity and accuracy in writing. <i>Occasional.</i> | | | Technical Publication and Project Management: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. New publishing technology, stressing composition and printing: word processing, automated text processing, methods of reproduction. Introduction of graphics: style, format, layout, and boardwork. <i>Spring.</i> M&S fee: \$10.00 | | | Writing and Hypertext: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Theories of electronic literacy and information to develop a more critical sensibility regarding hypertext. <i>Occasional.</i> | | |
| ENC 2210 | CAH-ENG | 3(3,0) | ENC 4218 | CAH-ENG | 3(3,0) | ENC 4415 | CAH-ENG | 3(3,0) |
| Writing for the Business Professional: PR: ENC 1102, Junior standing or C.I. Emphasis on clear expository writing of memoranda, reports, and articles in the student's declared field of business. <i>Occasional.</i> | | | The Visual in Technical Documentation: PR: Grade of C (2.0) or better required in ENC 4293. Relevant theories of the visual and their application to technical communication practice. <i>Fall.</i> M&S fee: \$10.00 | | | Digital Rhetorics and The Modern Dialectic: PR: Grade of C (2.0) or better required in ENC 1102. This online course explores the development of digital/online rhetorics through a close reading and analysis of formative rhetorical texts, modern American fiction and films. <i>Fall, Spring.</i> | | |
| ENC 2411C | CAH-ENG | 3(2,1) | ENC 4262 | CAH-ENG | 3(3,0) | ENC 5216 | CAH-ENG | 3(3,0) |
| Digital Literacy for the Liberal Arts: Designed to help students better understand how computer technologies have shaped our culture and ourselves; to become critical consumers of technology; to acquire a critical sensibility regarding the manner in which technology affects and is affected by texts. <i>Occasional.</i> | | | International Technical Communication: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. International issues in the field of technical communication including internationalizing documents, user interface design, international collaboration, and rhetorical and logistical challenges. <i>Occasional.</i> | | | Editing Professional Writing: PR: Graduate status or senior standing or C.I. The study of major issues in editing, including levels of edit, grammar and mechanics, visuals, style, and the impact of technology. <i>Fall, Spring.</i> | | |
| ENC 3211 | CAH-ENG | 3(3,0) | ENC 4265 | CAH-ENG | 3(3,0) | ENC 5225 | CAH-ENG | 3(3,0) |
| Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better required in ENC 1102, junior standing, or C.I. Exploring definitions and theoretical foundations in technical writing field, and the roles of writers in industry. <i>Fall, Spring.</i> | | | Writing for the Computer Industry: PR: Grade of C (2.0) or better in ENC 1102 and junior standing, or C.I. Creating different kinds of software manuals or online help systems for the computer industry. <i>Occasional.</i> | | | Theory and Practice of Document Usability: PR: Graduate status or senior standing or C.I. Presents theory and practice of how document usability is assessed and improved. <i>Occasional.</i> | | |
| ENC 3211H | CAH-ENG | 3(3,0) | ENC 4275 | CAH-ENG | 3(3,0) | ENC 5237 | CAH-ENG | 3(3,0) |
| Honors Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better in ENC 1102H or equivalent credit, and Consent of Honors. Definition, history, scope, practices, and theoretical bases of technical writing and its relationship to general English studies. With Honors Content. <i>Occasional.</i> | | | Writing/Consulting: theory & practice: PR: C.I. Theory and practice of assessing and responding to writing from the standpoint of a collaborator, as opposed to evaluator. <i>Occasional.</i> | | | Writing for the Business Professional: PR: Graduate status or senior standing or C.I. A study of the major document designs for professionals in business, focusing on audience, purpose, style, arrangements, and content. <i>Fall, Spring.</i> | | |
| ENC 3241 | CAH-ENG | 3(3,0) | ENC 4280 | CAH-ENG | 3(3,0) | ENC 5245 | CAH-ENG | 3(3,0) |
| Writing for the Technical Professional: PR: Grade of C (2.0) or better in ENC 1102, junior standing, or C.I. Writing effective correspondence, instructions, proposals, and informal and formal reports. <i>Fall, Spring.</i> | | | Technical Writing Style: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. Strategies for understanding and improving writing styles, particularly for a variety of technical writing genres. <i>Spring.</i> | | | Teaching Professional Writing: PR: Graduate status or senior standing or C.I. Prepares students to determine writing needs of professional discourse communities, analyze those needs, and design in-house or freelance writing programs to address those needs. <i>Occasional.</i> | | |
| ENC 3241H | CAH-ENG | 3(3,0) | ENC 4290 | CAH-ENG | 3(3,0) | ENC 5276 | CAH-ENG | 3(3,0) |
| Honors Writing for the Technical Professional: PR: Grade of C (2.0) or better required in ENC 1102H or equivalent credit, and Consent of Honors. Instruction and practice in expository prose used in technical writing, layout and design of data, and translation of technical documents for the lay audience. With Honors content. <i>Occasional.</i> | | | Usability Testing for Technical Communication: PR: Grade of C (2.0) or better required in ENC 4293 or C.I. Usability theory and techniques for evaluating manuals, online documentation, and other technical communication genres. <i>Occasional.</i> | | | Writing/Consulting: Theory & Practice: PR: Graduate status or senior standing or C.I. The theory and practice of assessing and responding to writing as a collaborator (as opposed to evaluator). <i>Occasional.</i> | | |
| ENC 3250 | CAH-ENG | 3(3,0) | ENC 4293 | CAH-ENG | 3(3,0) | ENC 5291 | CAH-ENG | 3(3,0) |
| Professional Writing: PR: Grade of C (2.0) or better required in ENC 1102, junior standing, and 12 upper division hours in the student's major. Major elements of professional writing with emphasis on composition of reports, proposals, letters, and memos. <i>Fall, Spring.</i> | | | Documentation and the Collaborative Process: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Development of a book-length project from idea to final published product. Examples may include style manuals, policies and procedures, and training manuals. <i>Fall, Spring.</i> | | | Developing Professional Writing Projects: PR: Graduate status or C.I. Developing Professional Writing is a course in which students learn the basics of planning writing projects, including scheduling, budgeting, collaborative writing, production, and problem solving. <i>Occasional.</i> | | |
| ENC 3310 | CAH-ENG | 3(3,0) | ENC 4294 | CAH-ENG | 3(3,0) | ENC 5337 | CAH-ENG | 3(3,0) |
| Magazine Writing I: PR: Grade of C (2.0) or better required in ENC 1102. Intensive practice in description narration, exposition and argumentation: control of tone, mood, viewpoint, and level of diction. Applicable to article, essay, and short story writing. <i>Fall, Spring.</i> | | | Documentation and Client-Based Collaboration: PR: Grade of C (2.0) or better required in ENC 4293. Practical application of editing theory to large ongoing projects from the student's particular field. Should be taken concurrently with ENC 4215. <i>Fall, Spring.</i> M&S fee: \$10.00 | | | Modern Rhetorical Theory: PR: Graduate status or senior standing or C.I. With special attention to the rhetor-audience relationship, the course studies history and practice of modern rhetorical theory. <i>Spring.</i> | | |
| ENC 3311 | CAH-ENG | 3(3,0) | ENC 4312 | CAH-ENG | 3(3,0) | ENC 5705 | CAH-ENG | 3(2,1) |
| Advanced Expository Writing: PR: Grade of C (2.0) or better required in ENC 1102. Practice of expository writing directed to general reader. <i>Fall, Spring.</i> | | | Theory & Practice Persuasive Writing: PR: Grade of C (2.0) or better required in ENC 1102. A study of the theory and practice of persuasion, including logical emotional and ethical appeals. <i>Occasional.</i> | | | Theory and Practice in Composition: PR: Graduate status or senior standing or C.I. Intensive study of theories of composition, with practical experience in the writing laboratory and in composition classes. <i>Spring.</i> | | |
| ENC 3905 | CAH-ENG | 3(3,0) | ENC 4313 | CAH-ENG | 3(3,0) | ENC 5745 | CAH-ENG | 3(3,0) |
| Directed experience in Writing: PR: Grade of C (2.0) or better required in ENC 1102 and C.I. Individualized topics of study and/or research in writing with personalized faculty direction. May be repeated for credit. <i>Occasional.</i> | | | Research Writing: PR: Grade of C (2.0) or better in ENC 1102, junior standing, and C.I. Writing correspondence, instructions, proposals, and informal and formal reports in various disciplines. <i>Occasional.</i> | | | Teaching Practicum: PR: ENC 5705, graduate status or senior standing, or C.I. To supplement and deepen theoretical and practical experiences during their first teaching semester, GTA's will participate in staff development and individual conferences with their mentors. <i>Occasional.</i> | | |
| ENC 3942 | CAH-ENG | 3(3,0) | ENC 4360 | CAH-ENG | 3(3,0) | ENC 5930 | CAH-ENG | 3(3,0) |
| Journal Writing Practicum: An interdisciplinary practicum in journal writing as a literary genre and a means of self-expansion. <i>Occasional.</i> | | | Nature Writing: PR: Grade of C (2.0) or better required in CRW 3013. English major or minor and junior standing, or C.I. Students will write essays that explore different approaches to writing about the natural world, and will discuss issues raised by such writing. <i>Occasional.</i> | | | Current Topics in Professional Writing: PR: Graduate status or C.I. Students will learn how to produce texts for specialized fields of discourse, including the medical and legal profession, as well as for general publication. <i>Occasional.</i> | | |

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| ENG 3010 | CAH-ENG | 3(3,0) | ENL 4240 | CAH-ENG | 3(3,0) | ENV 3001 | ECS-CEE | 3(3,0) |
| Practical Criticism: PR: Grade of C (2.0) or better required in ENC 1102. Student evaluation of selected fiction, poetry, and drama through practical exercises in literary criticism. <i>Occasional.</i> | | | English Romantic Writers: PR: Grade of C (2.0) or better required in ENG 3014. Study of English poets and essayists of the romantic period, such as Wordsworth, Coleridge, Hazlitt, Lamb, Byron, Shelley and Keats. <i>Occasional.</i> | | | Introduction to Environmental Engineering: PR: CHM 2046 and MAC 2312. Introduction to concepts and terminology of environmental engineering. Stresses material and energy balances. Covers air, water and land pollution. <i>Fall, Spring.</i> | | |
| ENG 3014 | CAH-ENG | 3(3,0) | ENL 4253 | CAH-ENG | 3(3,0) | ENV 4008C | ECS-CEE | 3(2,2) |
| Theories and Techniques of Literature Study: PR: Junior standing, or C.I., and C (2.0) or better required in ENC 1102. Techniques of analysis, theories of interpretation, and application of critical approaches to selected works. <i>Fall, Spring.</i> | | | The Victorian Age: Poetry: PR: Grade of C (2.0) or better required in ENG 3014. Poets of the Victorian period, including Tennyson, the Brownings, Arnold, Hopkins, the Rossettis, and Emily Bronte. <i>Occasional.</i> | | | Environmental Engineering Capstone Design: PR: one of - ENV 4562C, ENV 4300C, ENV 4122C, or CWR 4812C. An interdisciplinary capstone design experience requiring problem definition, data collection, analysis of alternatives, economic evaluation of alternatives, and oral and written presentation of final design. <i>Occasional.</i> | | |
| ENG 3073 | CAH-ENG | 3(3,0) | ENL 4262 | CAH-ENG | 3(3,0) | ENV 4112C | ECS-CEE | 3(2,2) |
| Cultural Studies Literature: PR: Grade of C (2.0) or better required in ENC 1102. The theoretical and cultural developments over time that call for broadening the applications of literary analysis to produce "cultural studies.". <i>Occasional.</i> | | | Nineteenth Century British Prose: PR: Grade of C (2.0) or better required in ENG 3014. Essays and fiction of the nineteenth century. <i>Occasional.</i> | | | Air Pollution Measurements Lab: Measurement of gaseous flow, isokinetic sampling, and pollutant quantification. Emphasis is placed on EPA methods. <i>Occasional.</i> M&S fee: \$30.00 | | |
| ENG 4114 | CAH-ENG | 3(3,0) | ENL 4273 | CAH-ENG | 3(3,0) | ENV 4120 | ECS-CEE | 3(3,0) |
| Literature and Film: PR: Grade of C (2.0) or better required in ENG 3014. The differences in emphasis, medium, and technique in selected novels and their film adaptations. <i>Occasional.</i> | | | Modern British Literature: PR: Grade of C (2.0) or better required in ENG 3014. Major writers of modern British literature. <i>Occasional.</i> | | | Air Pollution Control: PR: EGN 3343 and CWR 3201 and ENV 3001. Air resources management, engineering design, and operation of air pollution control systems. <i>Fall.</i> | | |
| ENG 4614 | CAH-ENG | 3(3,0) | ENL 4303 | CAH-ENG | 3(3,0) | ENV 4122C | ECS-CEE | 3(2,2) |
| Discourse of Global Cultural Studies: PR: ENG 3014. American popular culture texts in world context, using concepts and theories from global cultural studies to analyze transmission, translation, and appropriation. <i>Occasional.</i> | | | British Authors: PR: ENG 3014. Study of the works of a single British author. May be used in the degree program a maximum of 2 times only when course content is different. <i>Occasional.</i> | | | Air Pollution Control Design: PR: ENV 4120. Project course on design of air pollution control equipment and systems. <i>Occasional.</i> M&S fee: \$15.00 | | |
| ENG 5009 | CAH-ENG | 3(3,0) | ENL 4311 | CAH-ENG | 3(3,0) | ENV 4300C | ECS-CEE | 3(2,2) |
| Methods of Bibliography and Research: PR: Graduate status or senior standing or C.I. Bibliographical, library and systematic approaches to research at the graduate level in language and literature. <i>Fall.</i> | | | Chaucer: PR: Grade of C (2.0) or better required in ENG 3014. The Canterbury Tales, Troilus and Criseyde, and other works. <i>Occasional.</i> | | | Solid Waste Facility Design: PR: ENV 4341. Project course on design of a municipal solid waste landfill. <i>Occasional.</i> M&S fee: \$15.00 | | |
| ENG 5018 | CAH-ENG | 3(3,0) | ENL 4333 | CAH-ENG | 3(3,0) | ENV 4341 | ECS-CEE | 3(3,0) |
| Literary Criticism: PR: Graduate status or senior standing or C.I. Historical survey of major critics from classical antiquity to the modern era. <i>Spring.</i> | | | Shakespeare Studies: PR: Grade of C (2.0) or better required in ENG 3014. Reading, analysis, and discussion of Shakespeare's plays. May be repeated for credit. <i>Occasional.</i> | | | Solid Waste Management: PR: ENV 3001 or C.I. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. <i>Fall.</i> | | |
| ENL 2012 | CAH-ENG | 3(3,0) | ENL 4341 | CAH-ENG | 3(3,0) | ENV 4432 | ECS-CEE | 3(3,0) |
| English Literature I: PR: Grade of C (2.0) or better required in ENC 1102. Beowulf to 1798. <i>Fall, Spring.</i> | | | Milton and His Age: PR: Grade of C (2.0) or better required in ENG 3014. Paradise Lost, Paradise Regained, Samson Agonistes, shorter poems and selected prose. <i>Occasional.</i> | | | Potable Water Treatment: PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of potable water treatment facilities. May be repeated for credit. <i>Occasional.</i> | | |
| ENL 2022 | CAH-ENG | 3(3,0) | ENL 5006 | CAH-ENG | 3(3,0) | ENV 4531 | ECS-CEE | 3(3,0) |
| English Literature II: PR: Grade of C (2.0) or better required in ENC 1102. From 1798 to 1914. <i>Fall, Spring.</i> | | | British Literature: Medieval to Modern: PR: Graduate status or senior standing or C.I. Survey of British Literature from beginnings to present, with instruction in the fundamentals of prose, poetry, and drama. Emphasis on Literature's social and historical contexts. <i>Occasional.</i> | | | Wastewater Treatment Processes: PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of wastewater treatment facilities. May be repeated for credit. <i>Occasional.</i> | | |
| ENL 3951 | CAH-ENG | 3(3,0) | ENL 5237 | CAH-ENG | 3(3,0) | ENV 4561 | ECS-CEE | 4(4,0) |
| Orlando Shakespeare Festival: PR: ENC 1102. Involvement in theory and practice of Shakespeare's art by performance-oriented study and participation in the Orlando Shakespeare Festival's pre-season activities and productions. <i>Occasional.</i> | | | Eighteenth Century Studies: PR: Graduate status or senior standing or C.I. Reading, analysis, and discussion of literature in English:1660-1880. <i>Occasional.</i> | | | Environmental Engineering - Process Design: PR: ENV 3001 and CWR 3201. Water treatment and wastewater treatment design considerations with effluent and sludge handling, treatment, and disposal. <i>Fall, Spring.</i> | | |
| ENL 3951H | CAH-ENG | 3(3,0) | ENL 5250 | CAH-ENG | 3(3,0) | ENV 4562C | ECS-CEE | 3(2,2) |
| Orlando Shakespeare Festival Honors: PR: ENC 1102 and permission of Honors. Honors theory and practice of Shakespeare's art by performance-oriented study and participation in the Orlando Shakespeare Festival's pre-season activities and productions. <i>Occasional.</i> | | | The Victorian Age: Poetry: PR: Graduate status or senior standing or C.I. Poets of the Victorian period, including Tennyson, the Brownings, Arnold, Hopkins, Hardy, the Rossettis, Emily Bronte, and others. <i>Occasional.</i> | | | Environmental Engineering Systems Design: PR: ENV 4561, EES 4202C. Project course on design of water and wastewater treatment plants. <i>Spring.</i> M&S fee: \$15.00 | | |
| ENL 4101 | CAH-ENG | 3(3,0) | ENL 5256 | CAH-ENG | 3(3,0) | ENV 4563 | ECS-CEE | 3(3,0) |
| English Novel: PR: Grade of C (2.0) or better required in ENG 3014. Analysis of major English novelists. <i>Occasional.</i> | | | Victorian Literature: PR: Graduate status or senior standing or C.I. A study of the major prose works and selected poetry of British Victorian writers. <i>Occasional.</i> | | | Environmental Control Systems: PR: EGN 3343, EGN 3373 and CWR 3201 CR: ENV 4561. Analysis and design of process control systems in environmental engineering applications including process dynamics, instrumentation, and control system configuration. <i>Occasional.</i> | | |
| ENL 4220 | CAH-ENG | 3(3,0) | ENL 5335 | CAH-ENG | 3(3,0) | ENV 5071 | ECS-CEE | 3(3,0) |
| English Renaissance Poetry and Prose: PR: Grade of C (2.0) or better required in ENG 3014. The course will examine selected poetry and prose of Wyatt, Surrey, Sidney, Spenser, Marlowe, Raleigh, Daniel, Shakespeare, Chapman, Lyly & others. <i>Occasional.</i> | | | Studies in Shakespeare: PR: Graduate status or senior standing or C.I. A selection of representative plays, with emphasis on Shakespeare's development as an artist: aesthetics of dramatic literature. <i>Occasional.</i> | | | Environmental Analysis of Transportation Systems: PR: CWR 3201; ENV 3001. Prediction and abatement of pollution from transportation sources. Analysis techniques and environment laws. <i>Occasional.</i> | | |
| ENL 4230 | CAH-ENG | 3(3,0) | ENL 5347 | CAH-ENG | 3(3,0) | | | |
| 18th Century Studies: PR: Grade of C (2.0) or better required in ENG 3014. Reading, analysis, and discussion of literature in English: 1660-1880. May be repeated for credit. <i>Occasional.</i> | | | The Age of Milton: PR: Graduate status or senior standing or C.I. Emphasis on the non-dramatic works of John Milton. Selections from the non-dramatic works of other 17th-century figures. <i>Occasional.</i> | | | | | |

UCF Courses and Descriptions

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|---|----------|--------------|---|----------|------------|---|----------|--------|
| ENV 5116C | ECS-CEE | 3(2,3) | ESE 4942 | ED-TLP | 1(1,0) | ESI 5306 | ECS-IEMS | 3(3,0) |
| Air Pollution Monitoring: PR: C.I. Air Pollution sampling techniques, equipment, and monitor siting. Emphasis on theory and direct applications in air pollution monitoring. <i>Occasional.</i> M&S fee: \$15.00 | | | Internship II Seminar: PR: Internship I in the specific discipline; CR: Internship II in the specific discipline. Culminating seminar emphasizing current classroom management and assessment issues, as they relate to teaching in the secondary grades. <i>Fall, Spring.</i> | | | Operations Research: PR: STA 3032. Methods of operations research, including formulation for models and derivation of solutions: linear programming, network models queueing theory, simulation, and nonlinear optimization techniques. <i>Fall.</i> | | |
| ENV 5334 | ECS-CEE | 3(3,0) | ESE 4943 | ED-TLP | 7-12(0,35) | ESI 5359 | ECS-IEMS | 3(3,0) |
| Characterization of Hazardous Waste Sites: PR: CWR 4101C and ENV 4341 or C.I. Practical and comprehensive methods of hazardous waste site characterization to determine site properties, contamination type, magnitude and risk, and remedial actions. <i>Occasional.</i> | | | Internship II — Secondary: PR: ESE 3940 or EDE 3942. Student teaching in a secondary school under the direction of a certified classroom teacher. Scheduled concurrent seminars. Graded S/U or Letter grade. <i>Occasional.</i> | | | Risk Assessment and Management: PR: ESI 5219 or STA 3032. Problems and complexities involved in risk assessment and management. Selected methodologies are illustrated through realistic applications in engineering and the sciences. <i>Occasional.</i> | | |
| ENV 5335 | ECS-CEE | 3(3,0) | ESE 5214 | ED-TLP | 3(3,0) | ESI 5419C | ECS-IEMS | 3(2,2) |
| Hazardous Waste Management: PR: ENV 3001 or C.I. Engineering planning and analysis associated with the handling, storage, treatment, transportation, and disposal of hazardous wastes. <i>Occasional.</i> | | | Secondary School Curriculum Improvement I: PR: Regular Certificate or C.I. Secondary School self studies for curriculum projects, accreditation reports, or staff development. <i>Occasional.</i> | | | Engineering Applications of Linear and Nonlinear Optimization: PR: ESI 4312 or ESI 5306. Course covers linear and nonlinear optimization applications in production planning, staffing, engineering design, distribution networks, and other engineering areas. Focuses on practicing OR analysts. <i>Odd Fall.</i> M&S fee: \$45.00 | | |
| ENV 5356 | ECS-CEE | 3(3,0) | ESI 4221 | ECS-IEMS | 3(3,0) | ESI 5531 | ECS-IEMS | 3(3,0) |
| Solid Waste Management: PR: ENV 3001. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid wastes. <i>Fall.</i> | | | Empirical Methods for Industrial Engineering: PR: STA 3032. Application of empirical methods for industrial engineering problem solving. <i>Spring.</i> | | | Discrete Systems Simulation: PR: STA 3032. Methods for performing discrete systems simulation, including network modeling, will be treated. <i>Spring.</i> | | |
| ENV 5410 | ECS-CEE | 3(3,0) | ESI 4234 | ECS-IEMS | 3(3,0) | EST 3211 | ECS-ENT | 3(3,0) |
| Drinking Water Treatment: PR: ENV 4561. Drinking water treatment using existing and newly developed processes. Fe, Mn, As, NO ₃ , DBP ₃ , SOCs and other contaminants using oxidation, membranes, ion exchange, precipitation, sorption, and other processes. <i>Occasional.</i> | | | Quality Engineering: PR: STA 3032. Basic concepts and techniques of quality control; applications of statistics in industrial research; design of quality assurance systems; reliability engineering. <i>Fall.</i> | | | Wave Photonics: PR: EST 3222, and EET majors. Wave properties of light, interaction with different media, and photonics technologies and systems based on wave nature of light. <i>Spring.</i> | | |
| ENV 5505 | ECS-CEE | 3(3,0) | ESI 4312 | ECS-IEMS | 3(3,0) | EST 3213 | ECS-ENT | 3(3,0) |
| Sludge Management Operations in Environmental Engineering: PR: ENV 4561. Theory and design of sludge management operations and processes in environmental engineering, including stabilization dewatering and ultimate disposal. <i>Occasional.</i> | | | Operations Research: PR: STA 3032. Introduction to linear, non-linear, and dynamic programming. Decision analysis, random processes, and queueing. Course covers theory through application and implementation of results. <i>Fall.</i> | | | Photonics Simulation: PR: EST 3222. The behavior of light in standard optical systems consisting of both refractive and reflective light. Begin with general optic principles and end with system design. Not open to Physics majors or minors. <i>Fall.</i> | | |
| ENV 5517 | ECS-CEE | 3(3,0) | ESI 4321 | ECS-IEMS | 3(3,0) | EST 3222 | ECS-ENT | 3(3,0) |
| Engineering Chemical and Biological Processes: CR: ENV 4561(or equivalent) or C.I. Coverage of equilibrium/aquatic chemistry, softening and coagulation, and disinfection of water. Microbiology and biochemistry as applied to activated sludge system design. <i>Fall.</i> | | | Quantitative Techniques in Industrial Engineering: PR: ESI 4312. Extension of ESI 4312, with primary emphasis on Operations Research and statistical applications to industrial engineering problems. <i>Even Fall.</i> | | | Photonics Technology: PR: PHY 2053C, PHY 2054C, MAP 3401, MAC 2312, and MAC 2253 or MAC 2311. Course will introduce engineering technology students to the field of photonics. Light properties, optics, lasers, systems. <i>Fall.</i> | | |
| ENV 5636 | ECS-CEE | 3(3,0) | ESI 4523C | ECS-IEMS | 3(2,3) | EST 3543C | ECS-ENT | 3(2,2) |
| Environmental and Water Resources Systems Analysis: PR: ENV 3001 or C.I. Discussion of environmental and water resources systems with the emphasis on cost-effectiveness, pollution prevention, and sustainability to aid in environmental engineering decision-making. <i>Occasional.</i> | | | Systems Simulation: PR: STA 3032, EGN 3211 or high level programming language. Methods and procedures for simulating large-scale systems with digital computers. High level programming and simulation languages are used. <i>Spring.</i> M&S fee: \$20.00 | | | Programmable Logic Applications and Device Integration: PR: MAC 1105, EET 3085C, or equivalent. Builds on knowledge of logic fundamentals programming technologies, integrated circuits, and number systems to operate and test systems using programmable logic protocol. <i>Fall, Spring.</i> | | |
| ENY 4004C | COS-BIOL | 4(2,6) | ESI 4628C | ECS-IEMS | 3(2,3) | EST 4225 | ECS-ENT | 3(3,0) |
| General Entomology: PR: BSC 2010C and BSC 2011C, or C.I. Biology of insects: identification, taxonomy, physiology, behavior, and ecology. <i>Occasional.</i> M&S fee: \$15.00 | | | Industrial Engineering Applications of Computers: PR: EGN 3211 or high level programming language. Survey of microcomputer methods in industrial engineering practice. Topics include: spreadsheets, databases, expert systems, and project management. Lab exercises. <i>Fall.</i> M&S fee: \$20.00 | | | Manufacturing of Photonics: PR: EST 3222. Manufacturing processes and practices of photonic devices and systems. Tolerance studies, manufacturing lines, tests, measurements, and other topics related to low and high volume photonics manufacturing. <i>Fall.</i> | | |
| ENY 5006C | COS-BIOL | 4(2,6) | ESI 5219 | ECS-IEMS | 3(3,0) | EST 4227 | ECS-ENT | 3(3,0) |
| Entomology: PR: BSC 2010C and BSC 2011C and graduate standing or C.I. Morphology, physiology, ontogeny, behavior, ecology and population biology of insects. <i>Occasional.</i> M&S fee: \$40.00 | | | Engineering Statistics: PR: C.I. Discrete and continuous probability distributions, hypothesis testing, regression, non-parametric stats and ANOVA. <i>Fall, Spring.</i> | | | Photonic Sensors and Devices: PR: EST 3213, EST 3211. How light is converted to electrons to incorporate an electronic system. Standard means of detecting light such as photodiodes and charge-coupled devices will be covered. <i>Spring.</i> | | |
| EPH 5395 | ED-CFCS | 3(3,0) | ESI 5227 | ECS-IEMS | 3(3,0) | EST 4236 | ECS-ENT | 3(3,0) |
| Physical and Sociological Implications of Handicapping Conditions: Overview of physical and sociological factors which may contribute to delayed learning or physical impairments in the exceptional populations. Physical interventions and first-aid practices are examined. <i>Occasional.</i> | | | Total Quality Improvement: PR: STA 3032 or equivalent. Quality improvement (QI) tools and techniques, advanced QI techniques, quality improvement systems, total quality management concepts and implementation, planning and management tools, and case studies. <i>Odd Fall.</i> | | | Laser Systems Technology: PR: EST 3222. The theory of light amplification using gas, solid-state, and semi-conductor lasers. <i>Fall.</i> | | |
| ESE 3940 | ED-TLP | 3-16(0,3-16) | ESI 5236 | ECS-IEMS | 3(3,0) | EST 4256 | ECS-ENT | 3(3,0) |
| Internship I — Secondary: PR: EDG 4323 and C.I. Student teaching in a secondary school under the supervision of a certified classroom teacher. Graded S/U. <i>Occasional.</i> | | | Reliability Engineering: PR: ESI 4234 or equivalent, or C.I. Reliability theory and modeling approaches. Topics include: failure data analysis, maintainability, reliability standards (DOD), software reliability, reliability in design, and electronic systems reliability. <i>Fall.</i> | | | Photonics Communication: PR: EST 4227, EST 4236. The use of light as media for transmission of information. Modulation techniques, light transmission through different mediums, and detection and demodulation. <i>Spring.</i> | | |

EST 4259C ECS-ENT 3(1,4)
Photonics Systems: PR: Engineering Technology senior within 18 hours of graduation, C.I. Senior design project course for the BSEET Photonics concentration. *Spring.*

EST 4502C ECS-ENT 4(3,2)
Metrology and Instrumentation: PR: ETG 3541, EET 3085C, or equivalent. An introduction to the basic concepts and terminology of metrology and instrumentation. Theory, procedures and techniques essential to industrial measurement and laboratory practice are covered. *Spring.* M&S fee: \$10.00

ETC 4206 ECS-ENT 3(3,0)
Construction Estimating: PR: MAC 1114, & EGN 1111C or equivalent & ETC 4241C. Techniques of making estimates and computations of materials, labor, equipment, overhead costs and profits. Software packages are utilized. *Spring.*

ETC 4241C ECS-ENT 3(2,2)
Construction Materials and Methods: CR: ETG 3541. Construction principles, details, materials and methods used as related to the construction of buildings. *Fall.*

ETC 4242 ECS-ENT 3(3,0)
Construction Contracts and Specifications: The role of construction contracts, architectural specifications, product specifications, industry standards and building codes in the process of building construction. *Spring.*

ETC 4243 ECS-ENT 4(4,0)
Building Systems: PR: PHY 2053C, EET 3085C, or equivalent. Mechanical, electrical and electronic equipment and systems used in commercial/multi-story buildings. Fundamentals of air conditioning, lighting, and control systems are covered. *Even Spring.*

ETC 4414C ECS-ENT 3(2,2)
Applied Structural Design I: PR: ETG 3533C. Introduction to indeterminate analysis. Design of steel members, components and connections. Current code and specification requirements. *Even Spring.*

ETC 4415C ECS-ENT 3(2,2)
Applied Structural Design II: PR: ETG 3533C. Strength design of reinforced concrete members, foundations, slabs, and walls. Current code and specification requirements. *Odd Fall.*

ETD 3350C ECS-ENT 3(2,2)
Applied CADD: PR: Junior Standing. This course in computer-aided drafting/design provides the student with the opportunity to approach detailed and intricate drafting/design problems from a computer perspective. *Fall.*

ETG 3533C ECS-ENT 4(3,2)
Applied Engineering Strength of Materials: PR: MAC 1105, MAC 1114, ETG 3541, PHY 2053C, junior standing; CR: MAC 2253 or MAC 2311. Relationship between external forces and action of members of a structure. Topics include stress, shear, moment, deflections, columns, connections, and Mohr's circle. May be repeated for credit. *Spring.* M&S fee: \$15.00

ETG 3541 ECS-ENT 3(3,0)
Applied Mechanics: PR: MAC 1105 and MAC 1114 and PHY 2053C or equivalent. Coplanar, parallel, concurrent, and non-current force systems. Centroids, CG's, moments of inertia. Principles of dynamics, rectilinear motion and rotation, work, energy, power, impulse, momentum, and impact. *Fall, Spring.*

ETG 4950C ECS-ENT 3(1,4)
Senior Design Project: PR: Senior Standing, Engineering Technology major and must be within 18 hour of graduation. Supervised individual or group projects involving project definition, planning, development, testing, and evaluation. *Fall, Spring.*

ETG 5918 ECS-ENT 3(3,0)
Applied Research Methods: PR: Graduate standing or C.I. Broad overview of applied research methods from the literature review process to the investigation, modeling, experimental design, analysis of results, and technical reports. *Fall.*

ETI 3116 ECS-ENT 3(3,0)
Applied Engineering Quality Assurance: PR: STA 2014C or STA 2023. Fundamentals of industrial quality control. Technical specifications, measurements standards, inspection, and gaging. Process control techniques. *Fall.*

ETI 3418C ECS-ENT 3(2,2)
Computer Numerical Controls - Machining Applications: PR: ETD 3350C. Theory of methods and concepts for machining, computer numerical controls/programs, types of operations, cutting tools, machine tools, and electrical discharge machines. May be repeated for credit. *Occasional.*

ETI 3421 ECS-ENT 3(3,0)
Materials and Processes: PR: MAC 1105 and MAC 1114 or equivalent; Chemistry. A study of fundamental properties of materials. Current industrial practices in founding, forming, joining and shaping processes. *Fall.*

ETI 3651C ECS-ENT 3(2,2)
Computer Applications: PR: MAC 1105, and Junior standing. Standard engineering software packages found in most companies, institutions, and organizations to solve engineering problems. *Fall, Spring.*

ETI 3671 ECS-ENT 3(3,0)
Technical Economic Analysis: PR: MAC 1105 or equivalent. Analysis of cost elements in technical operations. Basic for comparison of alternatives. *Spring.*

ETI 3690 ECS-ENT 3(3,0)
Technical Sales: PR: Junior standing or C.I. Application of technical knowledge to sales and service. Relationship of technical sales organization to production, customers, and competitors. *Even Spring.*

ETI 4150 ECS-ENT 3(3,0)
Spacecraft Quality Assurance And Testing: PR: PHY 2053C. Quality assurance, reliability, and testing of space hardware and software, with the examination of designing, manufacturing, testing, and operation. *Occasional.*

ETI 4186 ECS-ENT 3(3,0)
Applied Reliability: PR: ETI 3116. Practical application of reliability concepts and analysis applicable to the design, production and logistics phases of systems and system components. *Odd Spring.*

ETI 4205 ECS-ENT 3(3,0)
Applied Logistics: PR: ETI 3116 or C.I. Introduction to logistics. Emphasis on practical applications. Includes systems engineering, cost/systems effectiveness, reliability, maintainability, system functional analysis, logistic support analysis, life cycle cost analysis. *Fall.*

ETI 4381 ECS-ENT 3(3,0)
Ground System Design: PR: PHY 2053C. Fundamentals of ground system design and operation, its architecture and technology. Cost and performance trade offs in the spacecraft-to-ground communications link and ground system design. *Occasional.*

ETI 4382C ECS-ENT 3(1,4)
Launch Processing Technology: PR: or CR: ETI 4150 or C.I. Processes and methods in the preparation, integration, and launch of a space payload and launch vehicle. Includes hands-on launch processing activities in a laboratory environment. *Occasional.*

ETI 4448 ECS-ENT 3(3,0)
Applied Project Management: PR: Junior Standing. Statement of work, activity decisions, timelines, scheduling, and resource allocation methods. Techniques will be appropriate for large and small projects within commercial, academic, or non-profit organizations. *Spring.*

ETI 4480C ECS-ENT 3(2,2)
Applied Robotics: PR: EST 3543C. Robotics programming for multifunction part manipulation and motions with stepper and servo-motor robot applications in laboratory work. *Occasional.*

ETI 4635 ECS-ENT 3(3,0)
Technical Administration: PR: Junior Standing. Techniques of applying management principles to professional positions held by Engineering Technologists. Management functions of planning, organizing, motivating, and controlling, production, sales, and service. *Fall, Spring.*

ETI 4640 ECS-ENT 3(3,0)
Operations Management for Technologists: PR: ETI 4635. Scheduling techniques (PERT), (CPM), are presented. Time Study Methods, Work Sampling and MTM are covered. *Fall.*

ETI 4661C ECS-ENT 3(2,2)
Applied Facilities Planning and Design: PR: ETI 3421, engineering drawing and senior standing. The design of manufacturing facilities and material handling systems. *Occasional.*

ETI 4700 ECS-ENT 3(3,0)
Occupational Safety: PR: Junior standing. Accident prevention and the operation of an industrial safety program. Basic requirements of the Occupational Safety and Health Act standards. *Occasional.*

ETI 4835 ECS-ENT 3(3,0)
Rocket Propulsion Technology: PR: PHY 2053C, Calculus I, II, CAD. Principles of rocketry; solid, liquid and hybrid rocket stages; specific impulse computations; fuel and thrust computations; nose cone, and nozzle designs; ignition mechanisms. *Fall.*

ETI 4836 ECS-ENT 3(3,0)
Space Systems Technology: PR: PHY 2053C. Applied space technology, design of space systems, space environment, flight dynamics, atmospheric drag, power supply, communications technology. May be repeated for credit. *Fall.*

ETI 4837C ECS-ENT 3(2,2)
Technology of Small Space Payloads: PR: ETI 4836 and high level programming lang. Principles of technology in the design of small rocket and microsatellite payloads: power requirements; telemetry requirements of data transmission; thermal control; shock and vibration tests. *Occasional.* M&S fee: \$34.60

ETI 4838 ECS-ENT 3(3,0)
Flight Dynamics Technology: PR: PHY 2053C, Calculus I, II, CAD. Orbital trajectory design; analysis of vehicle sustained g-forces; vehicle vibration analysis; orbital maneuvering; atmospheric re entry; launch windows; rocket apogee and down range computations; wind corrections and launch angles. *Spring.*

ETI 4839 ECS-ENT 3(3,0)
Space Electro-Optics Technology: PR: PHY 2053C, Calculus I, II, CAD. Engineering aspects of current electro-optics and laser-optics technology in theory and application, including design, system integration, system alignment, system calibration, and testing. *Occasional.*

ETM 4220 ECS-ENT 4(4,0)
Applied Energy Systems: PR: MAC 2253 or MAC 2311; Chemistry, College Physics. Introduction to energy, work, and thermal systems and processes. Applications of heat energy with emphasis on solar energy. *Spring.*

UCF Courses and Descriptions

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|---|----------|--------|--|----------|--------|---|----------|--------|
| ETM 4231C | ECS-ENT | 4(3,2) | EUH 3242 | CAH-HIST | 3(3,0) | EUH 4400 | CAH-HIST | 3(3,0) |
| Applied Heat Transfer: PR: ETG 3541 or equivalent, MAC 2253 or MAC 2311. An introduction to the basic concepts and applications of conduction, convection and radiation heat transfer. Basic energy balances and their applications are emphasized. Study state and transient phenomena are evaluated, including numerical solutions. <i>Occasional.</i> | | | Modern Europe and the First World War: A survey of the impact of the democratic institutions, education, transportation, housing, health, mass communications, entertainment, women, and warfare. <i>Occasional.</i> | | | The History of Ancient Greece: PR: EUH 2000, EUH 2010 or WOH 2012, WOH 2022. Systems of government in the various city-states of the ancient Greek world from the Bronze Age through the Hellenistic era (C. 1200BCE-30BCE). <i>Occasional.</i> | | |
| ETM 4331C | ECS-ENT | 4(3,2) | EUH 3281 | CAH-HIST | 3(3,0) | EUH 4465 | CAH-HIST | 3(3,0) |
| Applied Fluid Mechanics: PR: MAC 2253 or MAC 2311; PHY 2053C or equivalent. An introduction to the basic concepts of hydrostatics and hydrodynamics covering fluid statics, flow of ideal fluids, continuity of mass, impulse and momentum principles, conservation of energy, flow of fluid in pipes, etc. <i>Occasional.</i> | | | Second World War and Rebirth of Europe: PR: EUH 2000 and 2001 or C.I. Origins of World War II: Hitler's "New Order," and resistance movements; Cold War; de-Stalinization of Russia; Sovietization of East Central Europe; Western reconstruction, and prosperity. <i>Occasional.</i> | | | Hitler's Third Reich: PR: EUH 2000 and 2001 or C.I. German nationalism and militarism: World War I and Versailles Treaty; the Weimar Republic and the rise of the Nazis; Second World War, division and recovery. <i>Occasional.</i> | | |
| ETM 4403C | ECS-ENT | 3(2,2) | EUH 3315 | CAH-HIST | 3(3,0) | EUH 4500 | CAH-HIST | 3(3,0) |
| Applied Kinematics: PR: ETG 3541 and Engineering Drawing. Analysis and design of machine elements and mechanisms involving velocities and accelerations of components, linkages, gears, and cams. <i>Occasional.</i> | | | History of Modern Spain: PR: Modern European History (18th-20th century). The evolution of Modern Spain through its key institutions, cultural as well as social movements, and impact of political and intellectual trends, 1700-Present. <i>Occasional.</i> | | | English History to 1485: PR: EUH 2000 and 2001 or C.I. <i>Occasional.</i> | | |
| ETM 4512C | ECS-ENT | 3(2,2) | EUH 3411 | CAH-HIST | 3(3,0) | EUH 4501 | CAH-HIST | 3(3,0) |
| Applied Design of Machine Elements: PR: ETG 3541, ETG 3533C, and Engineering Drawing. Design of basic machine elements, including cams, gears, bearings, and coupling, taking into account loads, stresses, and strength of materials. <i>Occasional.</i> | | | Ancient Rome: PR: EUH 2000 and EUH 2001 or C.I. Romans and their contributions to Western Civilization. Covers traditions of Roman Republic, Carthaginian Wars, Imperial Period. <i>Occasional.</i> | | | English History: 1485-1815: PR: EUH 2000 and 2001 or C.I. <i>Occasional.</i> | | |
| ETM 4755 | ECS-ENT | 4(4,0) | EUH 3431 | CAH-HIST | 3(3,0) | EUH 4502 | CAH-HIST | 3(3,0) |
| Applied Air Conditioning: PR: ETM 4331C. Analysis of body comfort, psychometrics, heating and cooling load, specification of air conditioning systems, air distribution systems and system piping requirements. <i>Occasional.</i> | | | History of Modern Italy: PR: EUH 2001. The history of modern Italy from the origins of national unification through the post-World War II era. <i>Occasional.</i> | | | British History: 1815-Present: PR: EUH 2000 and 2001 or C.I. <i>Occasional.</i> | | |
| EUH 2000 | CAH-HIST | 3(3,0) | EUH 3431H | CAH-HIST | 3(3,0) | EUH 4571 | CAH-HIST | 3(3,0) |
| Western Civilization I: A survey of western civilization from ancient to 1648. <i>Fall, Spring.</i> | | | Honors History of Modern Italy: PR: EUH 2001 and consent of Honors. The history of modern Italy from the origins of national unification through the post-World War II era, with honors content. <i>Occasional.</i> | | | History of Russia to 1801: PR: EUH 2000 and 2001 or C.I. Kievan State; Mongol Yoke; Development of Muscovite Expansionism and Absolutism; Time of Troubles; Westernization of Russia under Peter I and Catherine; Role of Orthodox Church. <i>Occasional.</i> | | |
| EUH 2000H | CAH-HIST | 3(3,0) | EUH 3451 | CAH-HIST | 3(3,0) | EUH 4574 | CAH-HIST | 3(3,0) |
| Honors Western Civilization I: PR: Permission of Honors. A survey of western civilization from ancient to 1648. Honors-level content. <i>Fall, Spring.</i> | | | History of Modern France: PR: EUH 2001, EUH 3242 or C.I. The course traces the evolution of France through the study of French political thought, institutional development, social movements, and international roles from 1700 - present. <i>Occasional.</i> | | | History of Russia: 1801-1917: PR: EUH 2000 and 2001 or C.I. Alexander I: Napoleonic Invasion, Revolutionary Movement; Russian Policy toward Central Asia and China; Great Reforms; Russo-Japanese War; Revolution of 1905; Constitutional Period; Triple Entente. <i>Occasional.</i> | | |
| EUH 2001 | CAH-HIST | 3(3,0) | EUH 3531 | CAH-HIST | 3(3,0) | EUH 4576 | CAH-HIST | 3(3,0) |
| Western Civilization II: A survey of western civilization from 1648 to present. May be taken before EUH 2000. <i>Fall, Spring.</i> | | | Medieval Ireland: PR: EUH 2000 and EUH 2001 or C.I. Ireland's historical and cultural development from 1129 to 1607. <i>Occasional.</i> | | | History of Russia in the 20th Century: PR: EUH 2000 and 2001 or C.I. War and Revolution, Lenin, Stalinist Period, WWII, The Cold War. Collapse of Soviet Union, the New Russia. <i>Occasional.</i> | | |
| EUH 2001H | CAH-HIST | 3(3,0) | EUH 3536 | CAH-HIST | 3(3,0) | EUH 4582 | CAH-HIST | 3(3,0) |
| Honors Western Civilization II: PR: Permission of Honors. A survey of western civilization from 1648 to present. May be taken before EUH 2000. Honors-level content. <i>Fall, Spring.</i> | | | Early Modern Ireland: PR: EUH 2000 and EUH 2001 or C.I. Ireland's historical and cultural development from 1607 to 1800. <i>Occasional.</i> | | | 20th Century Russian Diplomatic History: PR: C.I. Russian diplomatic history from the signing of the Entente Cordiale to the aftermath of the Cold War. <i>Occasional.</i> | | |
| EUH 3122 | CAH-HIST | 3(3,0) | EUH 3538 | CAH-HIST | 3(3,0) | EUH 4610 | CAH-HIST | 3(3,0) |
| Medieval Society and Civilization: PR: EUH 2000 and 2001 or C.I. <i>Fall, Spring.</i> | | | Modern Ireland: PR: EUH 2001. Cultural, political and social developments in Ireland after 1800. <i>Odd Fall.</i> | | | Women in European Society: From Medieval to Modern: PR: Junior standing or C.I. This course examines the changing situation of women in Europe from the Middle Ages to the twentieth century. <i>Occasional.</i> | | |
| EUH 3124 | CAH-HIST | 3(3,0) | EUH 3651 | CAH-HIST | 3(3,0) | EUH 4620 | CAH-HIST | 3(3,0) |
| The Crusades: PR: EUH 2000 and EUH 2001, or C.I. The phenomenon of crusading in medieval Europe and the Middle East, including theories of "just war" and jihad. <i>Even Spring.</i> | | | War and Society: Evolution of weapons, tactics, strategy; role, social status, recruitment of soldiers; influence of military on governments; and international efforts to preserve peace. <i>Occasional.</i> | | | European Great Powers: 1815-1914: PR: EUH 2000 and 2001 or C.I. 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. <i>Occasional.</i> | | |
| EUH 3142 | CAH-HIST | 3(3,0) | EUH 4283 | CAH-HIST | 3(3,0) | EUH 4674 | CAH-HIST | 3(3,0) |
| Renaissance and Reformation: PR: EUH 2000 and 2001 or C.I. Influence of Renaissance humanism on arts, letters, and politics; Luther and Protestantism; the Catholic Counter-Reformation and the Thirty Years' War. <i>Occasional.</i> | | | Cold War Homefronts: PR: EUH 2000 and EUH 2001, or C.I. The Cold War from the homefront perspective addressing both sides of the Iron Curtain. <i>Occasional.</i> | | | Sport and Society in the Ancient World: PR: EUH 2000, EUH 2001 or WOH 2012, WOH 2022. A comparison of the original form of the Olympic Games (and ancient notions of sport) to their modern counterparts. <i>Occasional.</i> | | |
| EUH 3235 | CAH-HIST | 3(3,0) | EUH 4284 | CAH-HIST | 3(3,0) | EUH 5247 | CAH-HIST | 3(3,0) |
| Romanticism and Realism: PR: EUH 2000 and 2001 or C.I. Napoleon and nationalism; new ideas; conservatism; liberalism, romanticism, republicanism and socialism; urbanization, technology and mass culture, religious decline; Realpolitik, racism, imperialism, and militarism. <i>Occasional.</i> | | | Fascism and the Totalitarian Dictatorships: PR: EUH 2000 and 2001 or C.I. Totalitarian ideologies, institutions, and practices in Lenin's and Stalin's Russia. Mussolini's Italy, and Hitler's Third Reich; fascist movements in the non-totalitarian states. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| | | | | | | EUH 5285 | CAH-HIST | 3(3,0) |
| | | | | | | Colloquium in Europe Since World War II: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history since WW II. <i>Occasional.</i> | | |

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| EUH 5371 | CAH-HIST | 3(3,0) | EVT 4065 | ED-TLP | 3(3,0) | EXP 5208 | COS-PSYCH | 3(3,0) |
| Colloquium in Spanish History: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Spanish history. <i>Occasional.</i> | | | Principles and Practices of Technical Education: PR: EVT 3365 or C.I. Integrating historical principles, career structure, and current trends in technical education. <i>Fall.</i> | | | Sensation and Perception: PR: Graduate status or senior standing or C.I. A study involving human information processing with regard to physical and psychological variables in sensory and perceptual phenomena. <i>Odd Spring.</i> | | |
| EUH 5415 | CAH-HIST | 3(3,0) | EVT 4169 | ED-TLP | 3(3,0) | EXP 5254 | COS-PSYCH | 3(3,0) |
| Rome and Early Christianity: PR: Graduate standing or C.I. Current trends in historical literature in Christianity from its development as a distinct religion to its relations with and eventual "triumph" within the Roman Empire. <i>Occasional.</i> | | | Curriculum Development Techniques for Industry Training: The practical application of fundamental knowledge, important skills, alternative analysis methods, and the critical elements of the trainers analysis tasks. <i>Spring.</i> | | | Human Factors and Aging: PR: Graduate standing, post-bac, or senior standing with C.I. An overview of issues related to enhancing quality of life of elderly through the implementation of basic human factors principles in environmental and task design. <i>Even Fall.</i> | | |
| EUH 5546 | CAH-HIST | 3(3,0) | EVT 4368 | ED-TLP | 3(3,0) | EXP 5256 | COS-PSYCH | 3(3,0) |
| Colloquium: British History: PR: Graduate status or senior standing or C.I. Selected topics in British history. There is no standard syllabus because content is different with each offering. May be repeated for credit only when course content is different. <i>Occasional.</i> | | | Advanced Teaching Techniques for Vocational Education: PR: EVT 3365 or C.I. Study, practice, and achievement of techniques including cooperative learning, simulation, instructional modeling and evaluation of instructional effectiveness. <i>Fall.</i> | | | Human Factors I: PR: Graduate status or senior standing or C.I. Survey of human factors literature. Introduction to topics including human capabilities and human interfaces with human-machine systems. <i>Fall.</i> | | |
| EUH 5579 | CAH-HIST | 3(3,0) | EVT 4815 | ED-ERTL | 3(3,0) | EXP 5445 | COS-PSYCH | 3(3,0) |
| Colloquium in Soviet Russia: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Russian history, 1911-present. <i>Occasional.</i> | | | Safety in the Technical Education Classroom and Laboratory: PR: EVT 3365 or C.I. Federal regulations, safety practices, guidance, and support materials for technical trainers and teachers in school and industrial settings. <i>Occasional.</i> | | | Psychology of Learning and Motivation: PR: DEP 5057, and graduate status or senior standing or C.I. Examination of theories and research concerning the acquisition and retention of behavior, as well as motivational factors which influence learning and behavior. <i>Occasional.</i> | | |
| EUH 5595 | CAH-HIST | 3(3,0) | EVT 5260 | ED-TLP | 2-4(2-4,0) | FIL 1000 | CAH-FILM | 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. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Cinema Survey: Introductory course that focuses on different approaches to studying cinema. <i>Fall, Spring.</i> | | |
| EUH 5608 | CAH-HIST | 3(3,0) | EVT 5266 | ED-TLP | 2-4(2-4,0) | FIL 1000H | CAH-FILM | 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. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Honors Cinema Survey: PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Honors-level content. <i>Fall, Spring.</i> | | |
| EVR 5930 | COS-BIOL | 1(1,0) | EVT 5561 | ED-TLP | 2-3(2-3,0) | FIL 1007 | CAH-FILM | 3(3,0) |
| Seminar in Conservation Issues: PR: Graduate status or senior standing or C.I. Contemporary topics stressing a broad base of conservation issues will be the focus of this seminar series. May be repeated for credit only when course content is different. <i>Occasional.</i> | | | Student Guidance in the Vocational Program: PR: Basic Teacher Certificate or C.I. Achievement of skills used by teachers as they gather student data, confer with students, and help students plan for employment or further education. <i>Occasional.</i> | | | 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. <i>Fall, Spring.</i> | | |
| EVT 3062 | ED-TLP | 3(3,0) | EXP 3204C | COS-PSYCH | 4(3,2) | FIL 1008 | CAH-FILM | 3(3,0) |
| Professional Role of the Vocational Teacher: PR: EVT 3371 or C.I. <i>Occasional.</i> | | | Perception: PR: PSY 2012, PSY 3213C. Consideration of physical and psychological variables in perceptual phenomena. Lecture/Lab. <i>Fall.</i> | | | 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. <i>Fall, Spring.</i> M&S fee: \$5.00 | | |
| EVT 3312 | ED-TLP | 3(3,0) | EXP 3250 | COS-PSYCH | 3(3,0) | FIL 1009 | CAH-FILM | 3(3,0) |
| Course Construction in Health Occupations Education: PR: EVT 3365 or C.I. Planning and preparation of materials, managing the laboratory and involvement in appropriate Vocational Student Organizations. Clinical instruction related to vocational education and industry training. <i>Occasional.</i> | | | Principles of Human Factors Psychology: PR: PSY 2012. The study of human performance in human-machine-environment systems. Topics will include human factors psychology in the design of displays and controls, human information processing, and the effects of some environmental variables on human performance. <i>Spring.</i> | | | Cinematic Expression for Majors: PR: Film BFA or World Cinema major, and FIL 1100 or FIL 1007. Analysis and practice of aesthetic principles essential in film-making, including composition, moving graphics, image design, and lighting styles. <i>Spring.</i> | | |
| EVT 3365 | ED-TLP | 3(3,0) | EXP 3304 | COS-PSYCH | 3(3,0) | FIL 1100 | CAH-FILM | 3(3,0) |
| General Methods/Testing Evaluation in Vocational Education: General teaching methods, testing and evaluation. Techniques specific to Vocational Education and Industry Training. <i>Odd Fall.</i> | | | Motivation: PR: PSY 2012. Psychological and physiological aspects of human motivation. <i>Spring.</i> | | | Foundations of Story for Majors: PR: Film BFA or World Cinema major. Analysis of dramatic and cinematic narrative structures, both plot and character, from a historical and cultural perspective. <i>Occasional.</i> | | |
| EVT 3367 | ED-TLP | 3(3,0) | EXP 3404 | COS-PSYCH | 3(3,0) | FIL 1424 | CAH-FILM | 3(3,0) |
| Evaluation of Vocational Instruction: PR: EVT 3371 or C.I. Study, practice, and achievement of competency in assessing student cognitive, affective, and psychomotor performance in vocational education. <i>Spring.</i> | | | Basic Learning Processes: PR: PSY 2012. Theory and research on learning phenomena. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| EVT 3371 | ED-TLP | 3(3,0) | EXP 3604C | COS-PSYCH | 3(3,0) | FIL 2030 | CAH-FILM | 3(2,2) |
| Course Construction in Industrial Education: PR: EVT 3365 or C.I. Planning and preparing instructional materials, organizing and managing the Industrial Education laboratory, and involvement in VICA. <i>Occasional.</i> | | | Cognitive Psychology: PR: PSY 2012. Theory and research on attention, memory, complex human learning, and problem solving. <i>Fall, Spring.</i> | | | History of Motion Pictures: The history of motion pictures as art and industry; from 1895 to the present. <i>Fall, Spring.</i> M&S fee: \$0.00 | | |
| EVT 3502 | ED-TLP | 3(3,0) | EXP 4507C | COS-PSYCH | 3(1,4) | FIL 2107 | CAH-FILM | 3(3,0) |
| Special Needs of Vocational Students: PR: EVT 3365 or C.I. Achievement of teacher competency in meeting the special needs of the handicapped, culturally different, slower learner, those with basic skill deficiencies, and those in non-traditional programs. <i>Spring.</i> | | | Advanced Human Memory and Cognition: PR: PSY 3213C, EXP 3604C. In-depth coverage of experimental research on human memory and cognition. <i>Occasional.</i> M&S fee: \$15.00 | | | Script Analysis: PR: PR or CR: ENC 1101, and FIL 1007 or FIL 1100. Introduction to dramatic and visual storytelling techniques used in both traditional and non-traditional filmmaking and screenwriting. <i>Fall, Spring.</i> | | |

UCF Courses and Descriptions

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| <p>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. <i>Fall, Spring.</i></p> | <p>FIL 3132 CAH-FILM 3(3,0) Short Script II: PR: FIL 3115 and Film BFA or World Cinema major, or C.I. Advanced writing of short scripts in preparation for Capstone 1 and 2 courses. <i>Spring.</i></p> | <p>FIL 3734C CAH-ART 3(2,4) Intermediate Animation: PR: Animation majors only, FIL 3720C, and a satisfactory portfolio review or C.I. Focus on 3D computer modeling and animation systems. Hands-on exercise on the type of high-end animation systems used in the film industry. May be repeated for credit. <i>Even Fall, Spring.</i> M&S fee: \$45.00</p> |
| <p>FIL 2461 CAH-FILM 3(3,0) Cinematography I: PR: FIL 2274C and FIL 2480. Concepts and tools of cinematography and lighting. <i>Fall.</i> M&S fee: \$5.00</p> | <p>FIL 3304C CAH-FILM 3(1,3) Documentary Vision: PR: FIL 3363C. Styles and approaches to documentary filmmaking, with emphasis on making short, personal films. <i>Spring.</i></p> | <p>FIL 3790 CAH-DIG 3(3,0) Interactive Entertainment: PR: FIL 3427C or DIG 2000 and a minimum grade of "B" (3.0) or better in DIG 3001; and Film or Digital Media major. Ways to apply diverse skills of film making to digital media, non-linear story telling, virtual reality, video games and non-traditional education and military simulation. <i>Fall, Spring.</i></p> |
| <p>FIL 2480 CAH-FILM 3(3,0) Directing for Film I: PR: FIL 1007 or FIL 1100, FIL 1009, FIL 3115, and FIL 3427C. Introduction to processes and techniques of film directing. <i>Spring.</i></p> | <p>FIL 3307 CAH-FILM 3(3,0) Docudrama: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major, or C.I. Techniques to dramatize real-life events and persons, with emphasis on representation, adaptation and ethics. <i>Occasional.</i></p> | <p>FIL 3803C CAH-FILM 3(3,1) Film Theory and Criticism I: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Major film theories to the Second World War Period. <i>Fall.</i> M&S fee: \$10.00</p> |
| <p>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. <i>Spring.</i></p> | <p>FIL 3363C CAH-FILM 3(3,1) Film Documentary: PR: FIL 3803C and Film BFA, World Cinema, or Cinema Studies major, or C.I. The uses and analysis of the non-fiction film. <i>Fall.</i> M&S fee: \$5.00</p> | <p>FIL 3804C CAH-FILM 3(3,1) Film Theory and Criticism II: PR: FIL 3803C. Major film theories from Second World War period to present. <i>Spring.</i> M&S fee: \$10.00</p> |
| <p>FIL 2552 CAH-FILM 3(3,2) Editing I: PR: Film Major, FIL 1008, FIL 3115, FIL 3427C. Basic editing concepts and techniques, using non-linear editing systems. <i>Spring.</i> M&S fee: \$5.00</p> | <p>FIL 3379C CAH-FILM 3(3,6) Advanced Documentary Production: PR: FIL 3363C and FIL 3845, or C.I. Processes and principles of advanced documentary production to capture on-going reality based situations. <i>Occasional.</i> M&S fee: \$5.00</p> | <p>FIL 3811 CAH-FILM 3(3,0) Advanced Story Structure Research: PR: FIL 3115 and Film BFA or World Cinema major. Early and contemporary theories of story structure. Identification of divergent ideas without dilution, development of new language, and recognition of patterns in complex structures. <i>Occasional.</i></p> |
| <p>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. <i>Fall, Spring.</i> M&S fee: \$5.00</p> | <p>FIL 3427C CAH-FILM 3(2,4) Introduction to Film Production: PR: PR or CR: FIL 2107 and Film BFA or World Cinema major. Introduction to production utilizing film equipment. Basic technical and aesthetic aspects of production. <i>Fall.</i> M&S fee: \$45.00</p> | <p>FIL 3820 CAH-LANG 3(3,0) Italian Film: This course attempts to stimulate and/or increase the interest of students in Italian cinema as an art form with the director playing the key role. Films by most outstanding Italian movie directors will be analyzed from a social, economic, and historical point of view. <i>Occasional.</i></p> |
| <p>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. <i>Fall.</i></p> | <p>FIL 3455C CAH-FILM 6(2,4) Film Landscapes: Story, Image and Production Design: PR: FIL 2423 or FIL 3427C, and FIL 2030. The use of landscape in film and its importance to the art of production design. <i>Occasional.</i></p> | <p>FIL 3822 CAH-LANG 3(3,0) French Film: The study of French cinema as an art form and the key role of the director. Films are analyzed from structural, social, economical, and historical perspectives with attention to their relationship with French literature. Taught in English. <i>Occasional.</i></p> |
| <p>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. <i>Spring.</i></p> | <p>FIL 3462C CAH-FILM 3(3,1) Cinematic Expression: PR: FIL 3803C. Cinematography using video format; study of fundamentals of motion-picture communication, film structure and storytelling. <i>Spring.</i></p> | <p>FIL 3823 CAH-LANG 3(3,0) German Film: PR: C.I. Exploration of the form and context of German film during different time periods in relation to other aspects of culture and to sociopolitical structures at the time. <i>Occasional.</i></p> |
| <p>FIL 3041 CAH-FILM 3(3,0) History of Animated Films I: PR: Cinema Studies, Art, Animation or Digital Media major. Evolution of animation from its roots in Art, Theatre, and Novelty Inventions to its rise as a cinematic force of popular storytelling. <i>Even Fall.</i></p> | <p>FIL 3483 CAH-FILM 3(3,0) Directing the Actor for Film II: PR: FIL 2481. Characterization and scene study as it applies to directing the actor for film. <i>Occasional.</i></p> | <p>FIL 3824 CAH-FILM 3(3,0) Italian Neo-Realist Cinema: PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the Italian cinema, with emphasis on the work of Antonioni, Visconti, Pasolini, Fellini, and Rossellini. <i>Occasional.</i></p> |
| <p>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 filmmakers. <i>Spring.</i> M&S fee: \$10.00</p> | <p>FIL 3513 CAH-FILM 3(3,0) Latin American Cinema: PR: PR or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. Latin American films and film movements, historical and contemporary issues, social, and aesthetic concerns. <i>Spring.</i></p> | <p>FIL 3826 CAH-FILM 3(3,0) American Cinema: PR: Film BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor. Lectures, films and forums designed to provide awareness of styles, images, and myths in cinema that influence or reflect our culture. <i>Spring.</i></p> |
| <p>FIL 3102 CAH-FILM 3(3,0) Writing for Film and TV: PR: Junior standing, ENC 1102, and FIL 1007 or FIL 1100. Theories and process of screen writing for motion pictures and television. Students learn how to create stories and scripts for the entertainment marketplace. <i>Fall, Spring.</i></p> | <p>FIL 3534 CAH-FILM 3(3,0) Sound Design for Film I: PR: Film BFA, World Cinema or Digital Media major. Technical and aesthetics aspects of production and post-production sound recording, editing, and mixing for film. <i>Fall.</i></p> | <p>FIL 3831 CAH-FILM 3(4,0) Black Cinema: PR: Junior standing and ENC 1102. Independent black film movements: theory, aesthetics and criticism of African-American, African-Canadian and African-Caribbean cinema. <i>Fall.</i></p> |
| <p>FIL 3106C CAH-FILM 3(2,3) Introduction to Scriptwriting: PR: Film majors only. Rudiments of scriptwriting, including visual storytelling, story structure, character, dialogue, and introduction to scriptwriting software. <i>Occasional.</i></p> | <p>FIL 3581 CAH-FILM 3(0,3) Film Production Technology Workshop: PR: Restricted to Film majors. Demonstrations and hands-on equipment workshops to understand and operate the tools of the film-making process. May be repeated for credit. <i>Occasional.</i></p> | <p>FIL 3841 CAH-FILM 3(3,0) French New Wave Cinema: PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the French cinema, emphasizing the work of Renoir, Bresson, Godard, Rohmer, Resnais, and Rivette. <i>Occasional.</i></p> |
| <p>FIL 3115 CAH-FILM 3(3,0) Short Script I: PR: FIL 2107 and Film BFA or World Cinema 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. <i>Fall, Spring.</i></p> | <p>FIL 3720C CAH-ART 3(2,4) Introduction to Animation: PR: Animation majors only, and a satisfactory portfolio review or C.I. Introductory computer graphic techniques utilizing microcomputer systems. Techniques include basic paint systems, color cycling and 2D animation. <i>Fall, Spring.</i> M&S fee: \$45.00</p> | |

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| <p>FIL 3842 CAH-FILM 3(3,0) International Cinema: PR: PR or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. Post-World War II period of the international cinema, with emphasis on the cinemas of Europe and Asia. <i>Occasional.</i></p> | <p>FIL 4162C CAH-FILM 3(2,3) Feature/TV Writing I: PR: Film BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor, and FIL 3115, or C.I. Writing workshop, examination of mythic storytelling, and ethics of scriptwriting. <i>Fall.</i></p> | <p>FIL 4554C CAH-FILM 3(3,1) Non-Linear Editing: PR: Film major and FIL 3427C. Provide basic working knowledge of AVID editing system, to edit assigned projects, give basic understanding of editorial styles and techniques in film storytelling. <i>Occasional.</i> M&S fee: \$45.00</p> |
| <p>FIL 3845 CAH-FILM 3(3,0) World Cinema Traditions: PR: PR or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. The relationship among film, history, and culture in selected Asian, African, Latin American, and Middle Eastern countries. <i>Fall, Spring.</i></p> | <p>FIL 4163C CAH-FILM 3(2,3) Feature/TV Writing II: PR: FIL 4162C. Advanced writing workshops, principles and methods of adaptation and reader's coverage. <i>Spring.</i></p> | <p>FIL 4566C CAH-FILM 3(3,2) Editing II: PR: FIL 2274C. Theory, techniques and practices in picture editing. <i>Fall.</i> M&S fee: \$5.00</p> |
| <p>FIL 3850 CAH-FILM 3(3,0) Cinema Directors: PR: FIL 3803C and Film BFA, World Cinema, or Cinema Studies major, or C.I. Intensive study of the work of selected film-makers using multiple modes of criticism and author analysis to examine films. <i>Occasional.</i></p> | <p>FIL 4301C CAH-FILM 3(1,3) Documentary Workshop I: PR: FIL 3304C or C.I. Socially significant documentary projects for community groups, heritage organizations, non-profit agencies using film, video and digital media. <i>Fall.</i></p> | <p>FIL 4573C CAH-FILM 3(1,3) Capstone II: PR: FIL 4434C. Intensive tutorial guidance, instruction and evaluation of final film projects in post production. May be repeated for credit. <i>Spring.</i> M&S fee: \$5.00</p> |
| <p>FIL 3852 CAH-FILM 3(3,0) Cinema Criticism Writing: PR: FIL 3036 or FIL 3037 and ENC 1102, FIL 2030, FIL 3803C. Modes of cinema criticism. <i>Occasional.</i></p> | <p>FIL 4302C CAH-FILM 3(1,3) Documentary Workshop II: PR: FIL 4301C or C.I. Advanced documentary projects for community groups, heritage organizations, non-profit agencies and NGOs using film, video and digital media. <i>Spring.</i></p> | <p>FIL 4602 CAH-FILM 3(3,0) Film Business: PR: FIL 2423 or FIL 3427C and junior standing and Film BFA, World Cinema, or Cinema Studies major. This is a seminar course taught by a professional in the film industry which deals with issues relating to the organization and production of motion pictures. <i>Spring.</i></p> |
| <p>FIL 3871 CAH-FILM 3(3,0) The American Film Artist: PR: FIL 2030. Analysis of a major American filmmaker's style, vision and works: how these evolved and their impact on film and the culture. May be repeated for credit. <i>Fall.</i> M&S fee: \$5.00</p> | <p>FIL 4428 CAH-FILM 3(3,0) Episodic Production: PR: Film or Animation Majors. Episodic film production techniques. <i>Occasional.</i></p> | <p>FIL 4647 CAH-FILM 3(3,0) Film Production Management: PR: FIL 3427C or C.I. Production, budgeting, script breakdown, construction of production boards, scheduling, location scouting, and crew procurement. <i>Spring.</i></p> |
| <p>FIL 3880 CAH-FILM 3(3,1) Women in Film: PR: Junior standing. A critical examination of how cinematic images of women affect cultural perceptions and an overview of historically significant women filmmakers and related sociopolitical issues. <i>Fall, Spring.</i></p> | <p>FIL 4433C CAH-FILM 3(2,4) Intermediate Film Production: PR: Film major, FIL 3427C. Advanced exploration of the aesthetic and technical facets of filmmaking. <i>Occasional.</i> M&S fee: \$45.00</p> | <p>FIL 4661 CAH-FILM 3(3,0) The Film Producer: PR: FIL 2423 of FIL 3427C and junior standing and Film BFA, World Cinema, or Cinema Studies major. The role of the producer is examined in the context of theatrical film. <i>Spring.</i></p> |
| <p>FIL 3922 CAH-FILM 1(1,1) Film Colloquium: PR: Film majors only. A series of lectures, films and forums designed for students in the film program. The class is team taught by film faculty and guest speakers from the film industry. Graded S/U. May be repeated for credit. <i>Fall, Spring.</i></p> | <p>FIL 4434C CAH-FILM 3(2,4) Capstone I: PR: FIL 3132 and Film BFA or World Cinema major. Intensive tutorial guidance, instruction and evaluation of final film projects from initial concept through production. Graded S/U. May be repeated for credit. <i>Fall.</i> M&S fee: \$10.00</p> | <p>FIL 4735C CAH-ART 3(2,4) Advanced Animation: PR: Animation majors only, FIL 3720C, FIL 3734C, and a satisfactory portfolio review or C.I. Advanced 3D modeling and animation techniques. Working in small production teams, students will create short animated segments using a high-end 3D animation system. May be repeated for credit. <i>Fall, Odd Spring.</i> M&S fee: \$45.00</p> |
| <p>FIL 4040 CAH-DIG 3(3,0) Animated Film-History for non film majors: PR: FIL 3041. Evolution of animation since World War II. <i>Occasional.</i></p> | <p>FIL 4436 CAH-FILM 3(3,0) Film Theory/Film Production: PR: Junior standing and FIL 1008 or FIL 1009, or C.I. Non-narrative filmmaking demonstrating the dynamic interplay between producing, viewing, reading and writing about images. <i>Odd Spring.</i></p> | <p>FIL 4750C CAH-ART 3(2,4) Animation Workshop: PR: Animation majors only, FIL 3720C, FIL 3734C, FIL 4735C, and a satisfactory portfolio review or C.I. A production level course in computer animation that emphasizes all phases of the commercial production process, including storyboard, budgets, client relations, and post-production. May be repeated for credit. <i>Fall, Spring.</i> M&S fee: \$45.00</p> |
| <p>FIL 4042 CAH-FILM 3(3,0) History of Animated Films II: PR: FIL 3041, and Cinema Studies, Art, Animation or Digital Media major. Growth and diversification of American and international animation since 1945. <i>Spring.</i></p> | <p>FIL 4451 CAH-FILM 3(3,0) Design for Film: PR: FIL 3427C, or C.I. Analysis of visual structure of film. Specific problems in art direction. <i>Fall.</i></p> | <p>FIL 4808 CAH-FILM 3(3,0) Images and Text in Context: PR: FIL 2030 or C.I. Moving images, the still image, and text in their cultural contexts. <i>Occasional.</i></p> |
| <p>FIL 4103 CAH-FILM 3(3,0) Adaptation: PR: FIL 2107. The process of adapting scripts from other sources. The investigation of the legalities of adaptation, analysis of existing models, and written adaptations. <i>Occasional.</i></p> | <p>FIL 4453C CAH-FILM 4(3,2) Special Problems in Film Design: PR: FIL 2423 or FIL 3427C and FIL 2030. A series of exercises in craft, techniques, and design for film production, including animation. <i>Occasional.</i> M&S fee: \$5.00</p> | <p>FIL 4830 CAH-FILM 3(2,2) Motion Picture Genre: PR: FIL 2030. Analysis and evaluation of films, including their major genres, directors, styles, and periods. <i>Even Fall.</i> M&S fee: \$5.00</p> |
| <p>FIL 4113C CAH-FILM 3(2,3) Interactive Writing I: PR: Junior Standing, Film major, FIL 3115 or Digital Media major. Writing workshop for experienced scriptwriters, cold readings, preparing calling card script, marketing scripts and funding sources. <i>Occasional.</i></p> | <p>FIL 4472C CAH-FILM 3(2,4) Cinematography II: PR: Film major, FIL 3427C, FIL 2461. Advanced principles and practices of cinematography. <i>Spring.</i> M&S fee: \$5.00</p> | <p>FIL 4844 CAH-FILM 3(3,0) Africana Cinema: PR: FIL 3845. Aesthetics, theory and practice of filmmaking in the African Diaspora. <i>Occasional.</i></p> |
| <p>FIL 4114C CAH-FILM 3(3,2) Interactive Writing II: PR: Film major and FIL 4113C. Advanced writing and development of short interactive narratives as well as examination of non-traditional structures as applied to interactive writing. <i>Occasional.</i></p> | <p>FIL 4486C CAH-FILM 3(3,1) Directing for Film II: PR: FIL 2480. Principles and practice in directing narrative and/or documentary motion pictures. <i>Fall.</i> M&S fee: \$5.00</p> | <p>FIL 5165 CAH-FILM 3(3,0) Visual Storytelling: PR: Admission to Film and Digital Media master's program or C.I. Traditional forms of visual storytelling ranging from storyboard to classic structural paradigms for feature film scripts. <i>Fall.</i></p> |
| <p>FIL 4126C CAH-FILM 3(2,2) Genre Writing: PR: Film major, FIL 3803C. Advanced screenwriting practice in selected genres, including comedy, humor, western, crime, etc. <i>Occasional.</i></p> | <p>FIL 4487 CAH-FILM 3(3,0) Directing for Film III: PR: FIL 4486C. Advanced processes and techniques of film directing. <i>Spring.</i> M&S fee: \$5.00</p> | <p>FIL 5612 CAH-FILM 3(3,0) Film and Internet Business: PR: Graduate status or senior standing or C.I. Survey of the business of financing and distributing films. Explores various, including feature films, short films, television documents and the Internet. <i>Fall.</i></p> |
| <p>FIL 4535C CAH-FILM 3(3,1) Sound Design for Film II: PR: FIL 3534. An understanding of how production mixers bring the film director's vision to the screen. <i>Spring.</i></p> | <p>FIL 4536 CAH-FILM 3(3,0) Sound Design III: PR: FIL 4535C. Advanced aspects of sound mixing and sound editing using advanced protocols and digital format. <i>Occasional.</i></p> | |

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| <p>FIL 5800 CAH-FILM 3(3,0) Research Methods in Film and Digital Media: PR: Admission to Film and Digital Media graduate program or C.I. Research methodology for the study and production of Film and new Media. <i>Spring.</i></p> | <p>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. <i>Occasional.</i></p> | <p>FLE 4290 ED-TLP 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. <i>Occasional.</i></p> |
| <p>FIL 5810 CAH-DIG 3(3,0) Transmedia Story Creation: PR: Admission to Film and Digital Media master's program or C.I. Repurposing of traditional stories: creation of authentic environments and the emergence of new authoring scenarios. <i>Fall.</i></p> | <p>FIN 4453 BA-FIN 3(3,0) Financial Models: PR: FIN 3403, 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. <i>Fall, Spring.</i></p> | <p>FLE 4314 ED-TLP 3(3,0) Foreign Language Teaching in Elementary Schools: Methods of planning and teaching foreign languages in the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. <i>Occasional.</i></p> |
| <p>FIL 5853 CAH-FILM 3(3,0) Cinematic Forms: PR: Graduate standing in Film and Digital Media or C.I. Evolution of cinematic form through the works of key directors and theorists. <i>Spring.</i></p> | <p>FIN 4514 BA-FIN 3(3,0) Portfolio Analysis and Management: PR: FIN 3403, FIN 3303 and FIN 3504; open to majors or minors which require this course. Portfolio and capital market theory in the determination of rational investment policies. Risk analysis, portfolio analysis, and evaluation techniques. <i>Fall, Spring.</i></p> | <p>FLE 4333 ED-TLP 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. <i>Occasional.</i></p> |
| <p>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. <i>Fall, Spring.</i></p> | <p>FIN 4533 BA-FIN 3(3,0) Financial Derivatives: PR: FIN 3403, FIN 3303 and FIN 3504; open to majors or minors which require this course. Options, futures, forwards, and other derivative contracts. Investments traded in these markets are examined. Pricing and hedging are considered. <i>Fall, Spring.</i></p> | <p>FLE 5331 ED-TLP 3(3,0) Foreign Language Methods at the Secondary Level: PR: C.I., EDG 4323, or EDG 6236, or classroom teaching experience, and fluency in the target language and English. Methods of planning and teaching foreign language at the secondary level. The emphasis is on teaching communicatively and on integrating culture in the 6-12 classroom. May be used in the degree program a maximum of 2 times. <i>Occasional.</i></p> |
| <p>FIN 3303 BA-FIN 3(3,0) Financial Markets: PR: FIN 3403; 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. <i>Fall, Spring.</i></p> | <p>FIN 4560C BA-FIN 4(3,1) Applied Portfolio Management 1: PR: Finance major, FIN 3403, 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. <i>Occasional.</i></p> | <p>FLE 5335 ED-TLP 3(3,0) Foreign Language Methods at the Elementary Level: PR: C.I. or FLE 4333 or FLE 5870, EDG 4323 or EDG 6236, and fluency in target language and English. Methods of planning and teaching foreign language at the elementary level. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. May be repeated for credit. <i>Occasional.</i></p> |
| <p>FIN 3403 BA-FIN 4(4,0) Business Finance: PR: Junior standing and ACG 2021, ACG 2071, ECO 2013 and ECO 2023. With the balance sheet as a reference point, this course provides an introduction and overview of the acquisition, financing, and management of business assets. <i>Fall, Spring.</i></p> | <p>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. <i>Occasional.</i></p> | <p>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. <i>Occasional.</i></p> |
| <p>FIN 3403H BA-FIN 4(4,0) Business Finance - Honors: PR: Junior standing, ACG 2021, ACG 2071 and ECO 2023. Open to University honors students and other students participating in the honors program. Same as FIN 3403 with honors level content. <i>Occasional.</i></p> | <p>FIN 4604 BA-FIN 3(3,0) International Financial Management: PR: FIN 3403; open to majors or minors which require this course. Analysis of the foreign financial methods and investment, currency futures market, capital budgeting, cash management, examination of Eurocurrency market and international bond markets. <i>Fall, Spring.</i></p> | <p>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. <i>Occasional.</i></p> |
| <p>FIN 3414 BA-FIN 3(3,0) Intermediate Corporate Finance: PR: Fin 3403; open to majors or minors which require this course. In-depth study of the principles of corporate finance. Investment, financing, and capital decisions are examined. <i>Fall, Spring.</i></p> | <p>FIN 4730 BA-FIN 3(3,0) Senior Financial Consulting I: PR: Finance major, FIN 3403, FIN 3303, CR: FIN 3414, FIN 4453. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design and consulting in projects for major corporations. Part 1 of a two course sequence. Students must register for both semesters. <i>Occasional.</i></p> | <p>FOL 3730 CAH-LANG 3(3,0) Romance Philology: The study of the major Romance Languages and their origins as they developed from Classical and Medieval Latin to their linguistic influences such as Arabic and Provencal. <i>Occasional.</i></p> |
| <p>FIN 3461 BA-FIN 3(3,0) Financial Statement Analysis: PR: FIN 3403. Understanding and interpreting financial statement data for business decisions. <i>Occasional.</i></p> | <p>FIN 4731 BA-FIN 3(3,0) Senior Financial Consulting II: PR: Finance major, FIN 4730. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design, and consulting in projects for major corporations. Part 2 of two semester course sequence. Students must register for both semesters. <i>Occasional.</i></p> | <p>FRE 1120C CAH-LANG 4(3,1) Elementary French Language and Civilization I: Introduces the student to French culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. <i>Fall, Spring.</i></p> |
| <p>FIN 3504 BA-FIN 3(3,0) Investment Analysis: PR: Fin 3403; 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. <i>Fall, Spring.</i></p> | <p>FIN 4941 BA-FIN 3(0,3) 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. <i>Fall, Spring.</i></p> | <p>FRE 1121C CAH-LANG 4(3,1) Elementary French Language and Civilization II: PR: FRE 1120C or equivalent. Continuation of FRE 1120C. <i>Fall, Spring.</i></p> |
| <p>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, including assets liability, and capital management. The economics and regulatory influence on competition is considered. <i>Occasional.</i></p> | <p>FLE 3160 ED-TLP 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. <i>Occasional.</i></p> | <p>FRE 2200 CAH-LANG 3(3,1) Intermediate French Language and Civilization I: PR: FRE 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. <i>Fall, Spring.</i></p> |
| <p>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 intersections of commercial banking policies and an analysis of current approaches to managing specific bank products. <i>Fall.</i></p> | | |

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| FRE 2201 CAH-LANG 3(3,1) Intermediate French Language and Civilization II: PR: FRE 2200 or equivalent. Continuation of FRE 2200 with emphasis on French civilization. <i>Fall, Spring.</i> | FRE 4471 CAH-LANG 6(6,0) Advanced French Cultural Studies Abroad: PR: FRE 2201 or equivalent, or C.I. Students will develop strong conversational skills at the third year level while studying French culture abroad. May be repeated for credit. <i>Occasional.</i> | FRW 4324 CAH-LANG 3(3,0) 20th Century French Drama: PR: FRW 3100 or FRW 3101 or equivalent, or C.I. Concentration on traditional and avant-garde theater after WWII, such as the works of Beckett, Camus, Claudel, Ciraudoux, Ionesco, and Sartre; different literary approaches will also be used. <i>Occasional.</i> |
| FRE 2240 CAH-LANG 3(3,0) Intensive French Conversation: PR: One year of French or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. <i>Occasional.</i> | FRE 4500 CAH-LANG 3(3,0) French Civilization and Culture: PR: FRE 3420. A survey analyzing development of key elements of French life: its historical, artistic, intellectual, scientific, and spiritual contributions to the world via readings, lectures, films, and other media. Conducted in French. <i>Occasional.</i> | FRW 4440 CAH-LANG 3(3,0) French Literature of the Eighteenth Century: PR: FRW 3100. The philosophical movement: Montesquieu, Vauvenargues, Voltaire, Diderot, Buffon. <i>Odd Fall.</i> |
| FRE 2270 CAH-LANG 8(16,10) Intermediate French Study Abroad: PR: Elementary French. Intermediate French language and civilization taught in the native environment. <i>Occasional.</i> | FRE 4503 CAH-LANG 2(2,0) Quebecois Civilization: PR: 2 years of college level French or equivalent. An introduction to the main epochs and events in the history of the French civilization in North America with particular emphasis on Quebec. <i>Occasional.</i> | FRW 4532 CAH-LANG 3(3,0) French Romanticism: PR: FRW 3100. Great poets and dramatists of the Romantic Movement: Hugo, Lamartine, Vigny, Musset, and others. <i>Occasional.</i> |
| FRE 3300 CAH-LANG 3(3,0) French Grammar: PR: FRE 2201 or equivalent. An in-depth review of the structures of French for students who intend to take French literature courses. <i>Fall.</i> | FRE 4782 CAH-LANG 2(2,0) Advanced French Phonetics and Diction: PR: 2 years of college level French or equivalent. Intensive exercises in French phonetics and diction with both prose and poetry with particular emphasis on difficulties for speakers of English. <i>Occasional.</i> | FRW 4552 CAH-LANG 3(3,0) Nineteenth Century French Literature: PR: FRW 3101. Realism and naturalism. <i>Occasional.</i> |
| FRE 3410 CAH-LANG 3(3,0) Advanced Oral French Abroad: PR: FRE 2200, FRE 2201 or equivalent. Designed for students participating in the Study Abroad Program in France. Students will be immersed throughout the term speaking French. May be repeated for credit. <i>Occasional.</i> | FRT 4552 CAH-LANG 3(3,0) Structural Analysis of Beckett's Watt: PR: ENC 1102. An intense study of textual criticism and explications and linguistic analysis of literature with the primary focus on the novel. Course will be taught in English. <i>Occasional.</i> | FRW 4820 CAH-LANG 3(3,0) Stylistics: PR: FRE 3420 or equivalent. An intense study of textual criticism. An examination of the relationship between language and literature; explications and linguistic analysis of literary texts. <i>Occasional.</i> |
| FRE 3420 CAH-LANG 3(3,0) French Composition: PR: FRE 2201 or equivalent. Development of skills in composition. <i>Fall.</i> | FRW 3100 CAH-LANG 3(3,0) Survey of French Literature I: PR: FRE 2201 or equivalent. Main literary currents and works from the Middle Ages through the 18th century. <i>Fall.</i> | FSS 2221C RCHM-HOS 3(3,1) Quantity Food Preparation: Basic principles of food and beverage preparation, service, and menu development. <i>Fall, Spring.</i> M&S fee: \$45.00 |
| FRE 3423 CAH-LANG 3(3,0) Advanced French Grammar Abroad: PR: FRE 2200, FRE 2201 or equivalent. Students will be immersed throughout the term applying grammatical concepts as they relate to written expression in order to enhance oral expression. May be repeated for credit. <i>Occasional.</i> | FRW 3101 CAH-LANG 3(3,0) Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. <i>Spring.</i> | FSS 3008 RCHM-HOS 3(3,0) Culture and Cuisine: PR: FSS 2221C and HFT 3263. The major historical and geographical developments that have affected the creation of the cuisines of the world. <i>Spring.</i> |
| FRE 3440 CAH-LANG 3(3,0) Business French I: PR: Three semesters of French language. Introduces vocabulary and terminology in various French business activities, as well as standards, procedures, and practices of the French business world. <i>Occasional.</i> | FRW 3370 CAH-LANG 3(3,0) Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected readings designed to increase reading speed and develop analytical abilities. Authors include: Voltaire, Maupassant, Flaubert, Camus, and others. <i>Occasional.</i> | FSS 3124 RCHM-HOS 3(3,0) Supply and Procurement Management: PR: HFT 1000 and junior standing or C.I. The purchasing procedures, specifications, and controls of food and related products in the hospitality industry. <i>Occasional.</i> M&S fee: \$45.00 |
| FRE 3441 CAH-LANG 3(3,0) Business French II: PR: FRE 3440 or C.I. Introduction to French business language and practices. <i>Occasional.</i> | FRW 3740 CAH-LANG 3(3,0) The French Literature of Canada: PR: FRE 2201 or equivalent. A survey of the French literature of Canada from the late 19th century to the present, with particular emphasis on the novel and short story. <i>Occasional.</i> | FSS 3232C RCHM-HOS 3(1,3) Intermediate Techniques of Food Production: PR: HFT 4250C. An advanced food production course which provides the student the opportunity to develop skills in pantry, garde-manger, garnishing, and convenience foods and services. Laboratory class. <i>Occasional.</i> M&S fee: \$45.00 |
| FRE 3760 CAH-LANG 3(3,0) Advanced French Oral Communication: PR: FRE 2201 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. <i>Spring.</i> | FRW 3752 CAH-LANG 3(3,0) French Caribbean Literature: PR: FRE 2201 or equivalent. Literature of the French speaking Caribbean from colonial times to the present, in French. <i>Occasional.</i> | FSS 4135 RCHM-HOS 3(3,0) Corporate Contract and Managed Services Organizations: PR: HFT 3263. The unique characteristics of managed services including contracting, commodity purchasing, pricing, and revenue management. <i>Occasional.</i> |
| FRE 3780 CAH-LANG 3(3,0) French Phonetics and Diction: French phonology, with emphasis on phonic groupings. <i>Spring.</i> | FRW 3760 CAH-LANG 3(3,0) Creole Identity in the French-Speaking World: PR: FRE 2201 or equivalent. Creole literatures and cultures of the Francophone world. <i>Spring.</i> | FSS 4286C RCHM-HOS 3(3,1) Catering and Banquet Organization: PR: FSS 2221C and junior standing or C.I. Methods and procedures for successful on and off premise catering functions. Emphasis on food and beverage preparation, menu planning, service and sales techniques. Laboratory class. <i>Occasional.</i> M&S fee: \$45.00 |
| FRE 3954 CAH-LANG 6(6,0) Study Abroad in the Caribbean: PR: FRE 2201 or equivalent. Travel through Caribbean islands, studying the diversity within the Creole cultures. May be repeated for credit. <i>Occasional.</i> | FRW 3770 CAH-LANG 3(3,0) Francophone Literature: PR: FRE 2201. The literature of the Francophone world. Students will read, analyze and discuss literary works written in French. <i>Even Spring.</i> | GEB 1091C BA-BUS 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Business providing a foundation of leadership, scholarship, and service regarding disciplines in the college. <i>Fall, Spring.</i> |
| FRE 4421 CAH-LANG 3(3,0) Advanced French Conversation: PR: FRE 3760. Advanced conversation on directed topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences. <i>Fall.</i> | FRW 4281 CAH-LANG 3(3,0) 20th Century French Novels: PR: FRW 3100 or FRW 3101 or equivalent. Contemporary French Novel. Will focus on post-war authors, both traditional and avant-garde, such as Bazin, Beckett, Butor, Camus, Mauriac, Malraux and Sarraute. <i>Occasional.</i> | GEB 2350 BA-MAR 3(3,0) Foundations of Business: Introduction to the U.S. business system and the role it plays in a global economy. <i>Fall.</i> |
| FRE 4422 CAH-LANG 3(3,0) Advanced French Composition: PR: FRE 3420. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. <i>Spring.</i> | FRW 4310 CAH-LANG 3(3,0) Seventeenth Century French Theatre: PR: FRW 3100. Corneille, Racine, and Moliere. A study of the lives and principal works of the authors. <i>Occasional.</i> | GEB 3031 BA-MAN 4(4,0) The Cornerstone Course: PR: Junior standing and business major or minor. ACG 2071, ECO 2013, ECO 2023, and CGS 2100C. An orientation to opportunities and challenges facing managers in contemporary business organizations. Introduces competencies of team work, communication, creative thinking, and adapting to change. <i>Fall, Spring.</i> |

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| <p>GEB 3113 BA-MAN 3(3,0) How to Start a Business: PR: Sophomore Standing, ECO 2013. Provides background and tools necessary to understand and participate in the entrepreneurial process within a large company, new venture, or growing a small business. <i>Occasional.</i></p> | <p>GEO 3471 COS-POLS 3(3,0) World Political Geography: Analysis of factors which affect power relations among nations, including area, location, political styles, ethnic divisions, and the politics of energy. <i>Fall, Spring.</i></p> | <p>GER 3420 CAH-LANG 3(3,0) Intensive German Composition: PR: GER 2201 or equivalent. Development of skills in composition. <i>Occasional.</i></p> |
| <p>GEB 3375 BA-FIN 4(4,0) Introduction to International Business: PR: Junior standing and ACG 2071, ECO 2013 and ECO 2023. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. <i>Fall, Spring.</i></p> | <p>GER 1120C CAH-LANG 4(3,1) Elementary German Language and Civilization I: Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. <i>Fall, Spring.</i></p> | <p>GER 3440 CAH-LANG 3(3,0) Business German I: PR: GER 2200. Introduction to German business language and practices. <i>Occasional.</i></p> |
| <p>GEB 3375H BA-FIN 4(4,0) Introduction to International Business - Honors: PR: Junior standing, permission of Honors, ACG 2071, ECO 2013, and ECO 2023. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Same as GEB 3375 with honors level content. <i>Occasional.</i></p> | <p>GER 1120H CAH-LANG 4(4,1) Honors Elementary German Language and Civilization I: PR: Permission of Honors. Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors level content. <i>Occasional.</i></p> | <p>GER 3441 CAH-LANG 3(3,0) Business German II: PR: GER 3440. Continuation of Business German I. <i>Occasional.</i></p> |
| <p>GEB 4110 BA-MAN 3(3,0) Business Plan Preparation: PR: MAN 4802. Develop a new venture plan evolving from an original concept through a process that incorporates all the elements of a professionally written business proposal. <i>Fall, Spring.</i></p> | <p>GER 1121C CAH-LANG 4(3,1) Elementary German Language and Civilization II: PR: GER 1120C or equivalent. Continuation of GER 1120C. <i>Fall, Spring.</i></p> | <p>GER 3470 CAH-LANG 6(6,0) Advanced German Study Abroad: PR: GER 2201. Advanced German grammar in the context of conversation and composition taught in the native environment. <i>Occasional.</i></p> |
| <p>GEB 4111 BA-MAN 3(3,0) New Venture Finance: PR: MAN 4802 or GEB 3113. Provides hands-on processes for developing financial information necessary such as budgets and pro forma financial statements to start up a new venture. <i>Odd Fall, Even Spring.</i></p> | <p>GER 1121H CAH-LANG 4(4,1) Honors Elementary German Language and Civilization II: PR: GER 1120H or equivalent and permission of Honors. Continuation of GER 1120H, with honors-level content. <i>Occasional.</i></p> | <p>GER 3760 CAH-LANG 3(3,0) Advanced German Oral Communication: PR: GER 2201 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. <i>Even Fall.</i></p> |
| <p>GEB 4152 BA-MAN 3(3,0) Technological Entrepreneurship: PR: MAN 4802 or GEB 3113. Creating business ventures based on novel intellectual property and technological innovation. It addresses licensing, venture formation, and strategic alliances as potential strategies. <i>Occasional.</i></p> | <p>GER 2200 CAH-LANG 3(3,1) Intermediate German Language and Civilization I: PR: GER 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. <i>Fall, Spring.</i></p> | <p>GER 3780 CAH-LANG 3(3,0) German Phonetics and Diction: PR: GER 2240. The fundamental principles of German pronunciation. <i>Occasional.</i></p> |
| <p>GEB 4361 BA-FIN 3(3,0) Business in the International Environment: PR: Finance major, FIN 3403, MAR 3023, MAN 3025. Provides an overall understanding of the nature, magnitude, and importance of the international business sector. <i>Occasional.</i></p> | <p>GER 2201 CAH-LANG 3(3,1) Intermediate German Language and Civilization II: PR: GER 2200 or equivalent. Continuation of GER 2200 with emphasis on German civilization. <i>Spring.</i></p> | <p>GER 4422 CAH-LANG 3(3,0) Advanced German Grammar: PR: GER 3760, or any other 3000 level German course. An accelerated grammar course designated for advanced students of the German language. <i>Occasional.</i></p> |
| <p>GEB 4363 BA-FIN 3(3,0) Export and Import Management: PR: Finance major, Junior standing and admission to CBA. Focuses on the management of export/import business and provides students with knowledge about international trade. <i>Occasional.</i></p> | <p>GER 2210 CAH-LANG 3(3,0) Intensive German Conversation: PR: GER 1121C or C.I. Practical use of the language, leading toward fluency and correctness in speaking. <i>Occasional.</i></p> | <p>GER 4510 CAH-LANG 3(3,0) Life and Culture in Nazi Germany: PR: C.I. Confrontation with the development of national socialist ideas and their realization in everyday life and culture. Given in German. <i>Occasional.</i></p> |
| <p>GEB 4374 BA-FIN 3(3,0) International Negotiations and Transactions: PR: Finance major, Junior standing and admission to CBA. Focuses on providing an understanding of the concepts and skills required for international negotiations and transactions. <i>Occasional.</i></p> | <p>GER 2240 CAH-LANG 3(3,0) German Conversation: PR: GER 2201 or equivalent. Development of skills in conversation and comprehension through practice. <i>Occasional.</i></p> | <p>GER 4520 CAH-LANG 3(3,0) Modern Germany: PR: Given in German. An introduction to the history of postwar Germany from the two Germanies to unification and today's Germany. <i>Occasional.</i></p> |
| <p>GEB 5941 BA-BUS 1.5(1.5,0) Professional Business Practicum: PR: Acceptance in the graduate program. The practicum is to provide a professional business work experience for students entering the MBA program without such experience. <i>Occasional.</i></p> | <p>GER 2270 CAH-LANG 6(6,0) Intermediate German Study Abroad: PR: GER 1121C or equivalent. Intermediate German language and culture taught in the native environment. <i>Occasional.</i></p> | <p>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. <i>Occasional.</i></p> |
| <p>GEO 1200 ECS-CEE 3(3,0) Physical Geography: Basic physical elements of geography, including climate, landforms, soils, natural vegetation, minerals, and their integrated patterns of world distribution. <i>Fall, Spring.</i></p> | <p>GER 2271 CAH-LANG 2(2,0) Modern German Civilization Abroad I: PR: One year of College-level German. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. <i>Occasional.</i></p> | <p>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. <i>Occasional.</i></p> |
| <p>GEO 2370 ECS-CEE 3(3,0) Resources Geography: Analysis of basic principles and problems associated with development, use, conservation, and management of natural resources, with special emphasis on the United States. <i>Fall, Spring.</i></p> | <p>GER 3102 CAH-LANG 3(3,0) Germany - Past to Present: PR: GER 3760 or GER 3420 or equivalent. Cultural development that shaped modern Germany. Students will read and discuss selected texts from different literary periods and view the influences they had on culture and daily life. Course conducted in German. <i>Occasional.</i></p> | <p>GEW 3370 CAH-LANG 3(3,0) Short Story: PR: GER 2201 or equivalent. German short prose works of the 19th and 20th centuries. <i>Occasional.</i></p> |
| | <p>GER 3272 CAH-LANG 2(2,0) Modern German Civilization Abroad II: PR: GER 2201 or equivalent. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. <i>Occasional.</i></p> | <p>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. <i>Occasional.</i></p> |
| | | <p>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. <i>Occasional.</i></p> |
| | | <p>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. <i>Occasional.</i></p> |

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|--|----------------|--------|--|---------|--------|--|---------------|--------|
| GEY 3001 | HPA-SOWK | 3(3,0) | GRA 2140C | CAH-ART | 3(2,4) | GRA 4802C | CAH-ART | 3(2,4) |
| 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. <i>Fall</i> . | | | Computer Graphic Design: PR: Acceptance in Graphic Design Concentration, GRA 3100C, ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Problems involving the use of computer graphic systems for visual publication. <i>Occasional</i> . M&S fee: \$15.00 | | | Advanced Computer Graphic Design: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2401C, GRA 3100C, GRA 3112C, GRA 3801C, GRA 4196C, GRA 3151C or ART 3332C, GRA 4154C or ART 4320C, and a satisfactory portfolio review or C.I. Problems involving the use of advanced computer graphic systems for electronic publication. <i>Odd Fall</i> . M&S fee: \$15.00 | | |
| GEY 3326H | COS-PSYCH | 3(3,0) | GRA 2190C | CAH-ART | 3(2,4) | GRE 1120H | CAH-LANG | 4(4,0) |
| Honors Images of Aging: PR: Advanced standing in the Honors College and consent of Honors. Interdisciplinary examination of issues in aging exploring how the various images of aging are reflected across the natural sciences, social sciences and humanities. With Honors content. <i>Occasional</i> . | | | Design in Advertising: PR: ART 2201C. Principles and techniques. Not open to art majors specializing in graphic design. Intended for visual arts education majors and general university elective. <i>Occasional</i> . M&S fee: \$5.00 | | | Elementary Greek Language and Civilization I: PR: Permission of Honors. Introduces students to Classical Greek Literature and civilization through the study of grammar and syntax and extensive readings of Greek texts. <i>Occasional</i> . | | |
| GEY 5007 | CON-NURS | 3(3,0) | GRA 3100C | CAH-ART | 3(2,4) | GRE 1121H | CAH-LANG | 4(4,1) |
| 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. <i>Spring</i> . | | | Intermediate Graphic Design I: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Methods related to studio projects in graphic design. <i>Fall</i> . M&S fee: \$15.00 | | | Elementary Greek Language and Civilization II: PR: GRE 1120H and permission of Honors. Continuation of Elementary Greek I. <i>Occasional</i> . | | |
| GEY 5600 | ED-TLP | 3(3,0) | GRA 3112C | CAH-ART | 3(2,4) | GRE 2220H | CAH-LANG | 4(4,0) |
| Physiology of Aging: PR: BSC 2010C or PCB 3703C or PET 4351C or equivalent. The purpose of this course is to develop the student's understanding of the effects of human aging on various body systems. <i>Occasional</i> . | | | Intermediate Graphic Design II: PR: Acceptance in Graphic Design Specialization, ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2401C, GRA 3100C and a satisfactory portfolio review or C.I. Further development of studio techniques and problems in graphic design with emphasis on digital prepress. <i>Spring</i> . M&S fee: \$43.50 | | | Introduction to Greek Literature: PR: GRE 1121H and permission of Honors. Readings in selected original Greek texts, e.g., Plato's apology. May be repeated for credit. <i>Occasional</i> . | | |
| GEY 5648 | HPA-SOWK | 3(3,0) | GRA 3113C | CAH-ART | 3(2,4) | HAI 1120 | CAH-LANG | 4(4,0) |
| Gerontology: An Interdisciplinary Approach: PR: Graduate status or senior standing or C.I. The study of aging will be presented from an interdisciplinary and multidisciplinary approach spanning the social sciences and health. <i>Occasional</i> . | | | Type & Design: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. A survey of type, calligraphy and letter forms and their appropriate use as subject matter for graphic design and publication. <i>Fall, Odd Spring</i> . M&S fee: \$15.00 | | | Elementary Haitian Language and Culture I: Introduction to Haitian culture through the major language skills; listening, speaking, reading and writing. <i>Occasional</i> . | | |
| GIS 3043C | UGST-INTERDISC | 3(2,2) | GRA 3151C | CAH-ART | 3(2,4) | HAI 1121 | CAH-LANG | 4(4,0) |
| 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. <i>Odd Fall</i> . | | | Illustration: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Pictorial and representational illustration using various media and techniques. <i>Occasional</i> . | | | Elementary Haitian Language and Culture II: PR: HAI 1120. A continuation of HAI 1120. <i>Occasional</i> . | | |
| GIS 4035C | ECS-CEE | 3(2,2) | GRA 3801C | CAH-ART | 3(2,4) | HBR 1120 | CAH-JUD | 4(4,0) |
| Remote Sensing of the Environment: PR: GEO 1200 or C.I. Interpretation and application of remote sensor imagery to physical, economic, and urban analysis. <i>Occasional</i> . | | | Intermediate Computer Graphic Design: PR: Acceptance in Graphic Design specialization and ART 2201C, ART 2203C, ART 2300C, ART 2301C, GRA 2140C, and a satisfactory portfolio review or C.I. The use of computer graphic systems for electronic publication. <i>Fall</i> . | | | Elementary Modern Hebrew Language and Culture I: Designed to initiate the student to the major language skills; listening, speaking, reading and writing, as well as to constitute an introduction to Israeli culture. <i>Fall</i> . | | |
| GIS 4301C | UGST-INTERDISC | 4(2,2) | GRA 4119C | CAH-ART | 3(2,4) | HBR 1121 | CAH-JUD | 4(4,0) |
| 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. <i>Occasional</i> . | | | Packaging Design and Display Systems: PR: Acceptance in Graphic Design Concentration and GRA 3100C. The visual concepts of packaging design and display systems. Exploration of materials, structures, function and semantic aspects of the packaging industry. <i>Occasional</i> . | | | Elementary Modern Hebrew Language and Culture II: PR: HBR 1120 or equivalent. Continuation of HBR 1120. <i>Spring</i> . | | |
| GLY 1030 | COS-CHEM | 3(3,0) | GRA 4154C | CAH-ART | 3(2,4) | HBR 2200 | CAH-JUD | 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, sinkholes, beach erosion, landslides, earthquakes, tidal waves, volcanism. <i>Fall, Spring</i> . | | | Advanced Illustration: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, GRA 3151C, and a satisfactory portfolio review or C.I. Illustration problems involving the use of advanced level techniques in illustration media. May be repeated for credit. <i>Occasional</i> . M&S fee: \$45.00 | | | Intermediate Modern Hebrew I: PR: HBR 1121 or equivalent. Designed to continue the study of Modern Hebrew; increase proficiency in conversation, reading and writing skills, and further expose students to Israeli culture. <i>Occasional</i> . | | |
| GRA 2101C | CAH-ART | 3(2,4) | GRA 4196C | CAH-ART | 3(2,4) | HBR 2201 | CAH-JUD | 3(3,0) |
| Introduction to Computer Art: PR: ART 2820 or C.I. Priority given to students whose major requires this course. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. <i>Fall, Spring</i> . M&S fee: \$15.00 | | | Advanced Graphic Design: PR: Acceptance in Graphic Design Specialization, ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2401C, GRA 3100C, GRA 3112C, GRA 3801C, GRA 3151C or ART 3332C, and a satisfactory portfolio review, or C.I. Practical studio problems, with emphasis on organization of visual design elements. <i>Fall</i> . M&S fee: \$43.50 | | | Intermediate Modern Hebrew II: PR: HBR 2200. Further development of modern Hebrew language skills in listening, speaking, reading, and writing. <i>Occasional</i> . | | |
| GRA 2101H | CAH-ART | 3(2,4) | GRA 4197C | CAH-ART | 3(2,4) | HBR 3250 | CAH-JUD | 3(3,0) |
| Honors Introduction to Computer Art: PR: ART 2820 and Consent of Honors. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. With Honors content. <i>Occasional</i> . M&S fee: \$15.00 | | | Special Problems in Graphic Design: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2401C, GRA 3100C, GRA 3112C, GRA 3801C, GRA 4196C, GRA 3151C or ART 3332C, GRA 4154C or ART 4320C, and a satisfactory portfolio review, or C.I. Advanced problems in visual design and reproduction. May be repeated for credit. <i>Spring</i> . M&S fee: \$15.00 | | | Biblical Hebrew: PR: HBR 1121 or C.I. Grammatical and syntactical structure of Biblical Hebrew. <i>Occasional</i> . | | |
| GRA 2111C | CAH-ART | 3(2,4) | | | | HBR 3410 | CAH-JUD | 3(3,0) |
| Graphic Design I: PR: ART 2201C. Basic principles, concepts, and techniques in graphic design and art for visual publication. <i>Occasional</i> . M&S fee: \$15.00 | | | | | | Conversational Israeli Hebrew: PR: HBR 1120, HBR 1121 or equivalent, C.I. Study and practice of contemporary conversational Israeli Hebrew. <i>Occasional</i> . | | |
| | | | | | | HFT 1000 | RCHM-HSP SERV | 3(3,0) |
| | | | | | | Introduction to the Hospitality and Tourism Industry: An orientation to the hotel, restaurant, and travel industry, and its history, structure, and operating procedures. <i>Fall, Spring</i> . | | |
| | | | | | | HFT 1350 | RCHM-TEA | 3(3,0) |
| | | | | | | Career & Promotional Development in Golf: PR: HFT 3357. The developmental sequence of lifelong programs for juniors, women, and seniors.; in the golf industry. <i>Occasional</i> . | | |

UCF Courses and Descriptions

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|--|---------------|--------|--|---------------|--------|---|---------------|--------|
| HFT 1356 | RCHM-TEA | 3(3,0) | HFT 3357 | RCHM-TEA | 3(3,0) | HFT 3610 | RCHM-HOS | 3(3,0) |
| Concepts and Practices of Golf Associations: PR: Admission to Professional Golf Management Program; CR HFT 1000. Philosophies and ideals of the Professional Golfers Association of America and the importance of the rules of golf as related to rules decisions. <i>Fall.</i> | | | Golf Event Operations: PR: HFT 1356; HFT 1000; HFT 2500. Develop, plan, and organize golf tournaments of all types. <i>Occasional.</i> | | | Law and Restaurant Management: PR: HFT 3603 and HFT 3263. Emphasis on regulatory, case and administrative law. Compliance, prevention, and remedial actions are stressed. <i>Occasional.</i> | | |
| HFT 2220 | RCHM-HSP SERV | 3(3,0) | HFT 3374 | RCHM-TEA | 3(3,0) | HFT 3654 | RCHM-HOS | 3(3,0) |
| Hospitality Human Resources Management: Application of strategic principles of human resources to the hospitality tourism setting. <i>Fall, Spring.</i> | | | 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. <i>Occasional.</i> | | | Franchising in the Restaurant Industry: PR: Restaurant Management Core or C.I. Addresses the legal requirements for franchising, contract rates, responsibilities, size, structure, and history. <i>Fall.</i> | | |
| HFT 2254 | RCHM-HOS | 3(3,0) | HFT 3384 | RCHM-TEA | 3(3,0) | HFT 3670 | RCHM-TEA | 3(3,0) |
| Lodging Operations: PR: HFT 1000. Basic principles of operating a lodging facility including accounting, house-keeping, engineering, front desk, and guest services. <i>Fall, Spring.</i> | | | Golf and Club Enterprises Management: PR: HFT 1000 and FSS 2221C. Comprehensive examination of the golf and club management industry, its related national and international associations, and career path opportunities. <i>Occasional.</i> | | | Hospitality and Event Risk Management: PR: HFT 1000 and HFT 2750; or C.I. Risk, crisis, and liability issues that may arise in the planning and management of special events, meetings, conventions, and exhibitions. <i>Occasional.</i> | | |
| HFT 2359 | RCHM-TEA | 3(3,0) | HFT 3431 | RCHM-HSP SERV | 3(3,0) | HFT 3700 | RCHM-TEA | 3(3,0) |
| Design & Maintenance of Golf Equipment: PR: HFT 1350. Knowledge and application of golf club design principles and club repair procedures. <i>Occasional.</i> | | | Hospitality industry Managerial Accounting: PR: HFT 2401 and junior standing or C.I. Presentation, interpretation, and analysis of internal and external hospitality industry financial reports affecting management decisions using hospitality industry systems of accounting. <i>Fall, Spring.</i> | | | Tourism Management: PR: HFT 1000 and junior standing or C.I. Analysis of the tourism phenomenon in contemporary societies. An exploration of major concepts about tourism as an inter-linked industry composed of many sectors within both the private and public sectors. <i>Fall, Spring.</i> | | |
| HFT 2401 | RCHM-HSP SERV | 3(3,0) | HFT 3443 | RCHM-TEA | 3(3,0) | HFT 3741 | RCHM-TEA | 3(3,0) |
| Hospitality Industry Financial Accounting: Basic understanding of financial accounting and specifically hospitality industry accounting concepts and procedures used in hotels, restaurants and clubs. <i>Fall, Spring.</i> | | | Event Technology: PR: HFT 1000 and HFT 2750; or C.I. Use of technology in the event industry to solidify processes and help people be more productive. Covers types of technology for different event processes. <i>Occasional.</i> | | | Meeting Management: PR: HFT 4753 and HFT 4754. The process of meeting planning, from setting objectives to analyzing the success of the event. <i>Fall, Spring.</i> | | |
| HFT 2500 | RCHM-HSP SERV | 3(3,0) | HFT 3444 | RCHM-HSP SERV | 3(3,0) | HFT 3770 | RCHM-TEA | 3(3,0) |
| Hospitality and Tourism Marketing: PR: HFT 1000. The application of marketing concepts to the Hospitality and Tourism Industry. Special emphasis on marketing planning and strategic marketing. <i>Fall, Spring.</i> | | | Hospitality Information Systems: PR: CGS 2100C, HFT 2254, and HFT 3263; or C.I. Focuses on management functions and practices, information systems and technology in hospitality. Higher tech for higher touch building on computer literacy and operation knowledge. <i>Fall, Spring.</i> | | | Cruise Line Operations and Management: PR: HFT 1000 and junior standing or C.I. Understanding of cruise company operations and management. Shipboard organization and delivery of the cruise product to the guest. <i>Occasional.</i> | | |
| HFT 2750 | RCHM-TEA | 3(3,0) | HFT 3471 | RCHM-HOS | 3(3,0) | HFT 3784 | RCHM-TEA | 3(3,0) |
| The Event Industry: Overview of meetings, conventions, special events and exhibitions including the roles of organizations and people involved in the businesses that comprise this industry. <i>Fall, Spring.</i> | | | Hospitality Enterprises I: PR: Financial Accounting, Managerial Accounting, Computer Competency. Junior standing. Acquaints students with presentation, interpretation and analysis of hotel financial reports. Presents hotel operations cost controls. Explores hospitality MIS. <i>Occasional.</i> | | | Amusement Technology: PR: HFT 1000 HFT 4755. Exploration of various technologies utilized by the leisure-based entertainment industry. Includes amusement devices, operational and IT software packages as well as ride and show systems. <i>Spring.</i> | | |
| HFT 3263 | RCHM-HOS | 3(3,0) | HFT 3512 | RCHM-TEA | 3(3,0) | HFT 3785 | RCHM-TEA | 3(3,0) |
| Restaurant Management: PR: HFT 1000, FSS 2221C, and junior standing or C.I. Discussion of the topics integral for the successful management of restaurant and food service organizations. <i>Fall, Spring.</i> | | | Event Promotion: PR: HFT 1000, HFT 2750, and HFT 2500; or C.I. Promotion of events to sponsors, attendees, exhibitors and other participants. <i>Occasional.</i> | | | Management of Gaming Enterprises: PR: Junior level standing. an in-depth study of gaming-based organizations including cruise ships, Indian reservation casinos, and others. The history and development of gaming organizations, the economics, social, and cultural impact of gaming and managerial challenges and opportunities in the industry. <i>Occasional.</i> | | |
| HFT 3273 | RCHM-HOS | 3(3,0) | HFT 3515 | RCHM-HOS | 3(3,0) | HFT 3792 | RCHM-TEA | 3(3,0) |
| Principles of Resort Timesharing: PR: HFT 1000 and junior standing or C.I. Principles of resort timeshare operations and ownership. <i>Fall, Spring.</i> | | | Reservations Sales & Marketing: PR: HFT 1000, HFT 2500 or C.I. Provides insight to all aspects of planning, performing and measuring room sales activities. Focus will be to manage all distribution channels to maximize profitability. <i>Odd Fall.</i> | | | Event Design and Production: PR: HFT 1000, HFT 2750, HFT 3443, and HFT 3670; or C.I. The many aspects of event production, including art, design, and staging. Provides hands on practical experience. <i>Occasional.</i> | | |
| HFT 3285 | RCHM-HOS | 3(3,0) | HFT 3517 | RCHM-TEA | 3(3,0) | HFT 3798 | RCHM-TEA | 3(3,0) |
| International Restaurant Corporation Management: PR: HFT 3263. The specific principles of managing a restaurant corporation in the international foodservice marketplace. <i>Occasional.</i> | | | Convention and Conference Sales: PR: HFT 2750, HFT 2500 and junior standing or C.I. In-depth understanding of the sales process for the convention market. Covers the people, methods, materials and equipment needed. <i>Fall.</i> | | | Fairs and Festivals: PR: HFT 1000 and HFT 2750; or C.I. Evolution of modern day exhibitions and trade shows from fairs and festivals. <i>Occasional.</i> | | |
| HFT 3323 | RCHM-HSP SERV | 3(3,0) | HFT 3540 | RCHM-HSP SERV | 3(3,0) | HFT 3807 | RCHM-HOS | 3(3,0) |
| Hospitality Physical Plant Management: PR: Junior standing. Analysis of operational problems related to the physical plant and structure of enterprises in the hospitality industry. <i>Spring.</i> | | | Guest Services Management I: PR: Junior standing or C.I. The study of making decisions from the guest's point of view in the hospitality industry. <i>Fall, Spring.</i> | | | Multi-Unit Food Service Operations: PR: HFT 1000 and junior standing or C.I. The strategy and managerial aspects of chain restaurant management, including organization development, brand building, and industry segments. <i>Spring.</i> | | |
| HFT 3353 | RCHM-TEA | 3(3,0) | HFT 3574 | RCHM-HOS | 3(3,0) | HFT 3834 | RCHM-HSP SERV | 3(3,0) |
| Golf Planning & Operations I: PR: HFT 2359. Customer relations concepts, an effective golf instruction program, and characteristics of effective merchandising & inventory procedures. <i>Occasional.</i> | | | Food Service Marketing Advertising and Promotion Management: PR: HFT 2500 and HFT 3263. Covers pricing, promotion, menu and product development. <i>Occasional.</i> | | | Topics in Restaurant and Foodservice Management: PR: HFT 3263 and FSS 2221C. Guest lecture series covering contemporary issues in the various segments of the foodservice industry. <i>Odd Spring.</i> | | |
| HFT 3354 | RCHM-TEA | 3(3,0) | HFT 3603 | RCHM-HSP SERV | 3(3,0) | HFT 3868 | RCHM-HOS | 3(3,0) |
| Agronomy for Golf Course Management: PR: HFT 3353. Primary roles and responsibilities of the golf course superintendent. <i>Occasional.</i> | | | Legal Environment in the Hospitality and Tourism Industry: PR: C.I. Principles of law as related to the Hospitality/Tourism Industry. <i>Fall, Spring.</i> | | | History and Culture of Wine: PR: World History course or C.I. The role that wine has played in the history, culture, and religion of diverse civilizations. <i>Fall, Spring.</i> M&S fee: \$45.00 | | |
| HFT 3355 | RCHM-TEA | 3(3,0) | | | | | | |
| Golf Planning & Operations II: PR: HFT 3353. Merchandising and inventory control, golf swing philosophy and leadership models. <i>Occasional.</i> | | | | | | | | |

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| HFT 3933 | RCHM-RCHM | 1(1,0) | Distinguished Lectures in Hospitality Management: PR: HFT 1000, Junior standing. First hand introduction to hospitality leaders, their perspectives on the segments they represent, and the breadth of those segments. Graded S/U. <i>Fall, Spring.</i> |
| HFT 3949 | RCHM-RCHM | 0-5(0,1-5) | Cooperative Education: Provides paid, pre-professional work experience related to the students' major while they continue to attend school. Requires achievement of major-related learning objectives. Graded S/U. <i>Fall, Spring.</i> |
| HFT 4250C | RCHM-HOS | 3(3,1) | Hospitality Operations: PR: Junior Standing or C.I. An integration of lodging and food service operations providing students with a comprehensive knowledge of these related content areas; food service lab component. <i>Occasional.</i> |
| HFT 4253 | RCHM-HOS | 3(3,0) | Hotel Operations: PR: HFT 1000; HFT 2220; FSS 2221C; HFT 2254; HFT 2500; HFT 3603; HFT 2750; HFT 2401; HFT 3444; HFT 3540. 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. <i>Spring.</i> |
| HFT 4255 | RCHM-HOS | 3(3,0) | Advanced Hotel Development: PR: HFT 4464, HFT 4473, or C.I. Hotel investment practices, risk management and other investment decision factors. <i>Occasional.</i> |
| 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. <i>Occasional.</i> |
| 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. <i>Fall, Spring.</i> |
| 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 food-service operations. <i>Occasional.</i> |
| HFT 4274 | RCHM-HOS | 3(3,0) | Vacation Ownership Resort Management: PR: HFT 1000, HFT 3273, HFT 4522 or C.I. Comprehensive analysis of applied theories, principles, and techniques used in the management of vacation resorts. <i>Occasional.</i> |
| 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. <i>Occasional.</i> |
| 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. <i>Fall.</i> |
| 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. <i>Fall, Spring.</i> |
| HFT 4284 | RCHM-HOS | 3(3,0) | Training and Employee Performance in the Foodservice Industry: PR: HFT 2220; HFT 3540; HFT 4266; HFT 4268; HFT 4343; FSS 3124; FSS 4135. Teaching and training methodologies relative to the service positions in a restaurant. Encompasses training techniques, guest interaction, and assessment of service performance. <i>Occasional.</i> |
| HFT 4286 | RCHM-HSP SERV | 3(3,0) | Hospitality Communications: PR: HFT 1000; HFT 2220; FSS 2221C; HFT 2254; HFT 2500; 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 inter departmental dependence by managers in hospitality enterprises in the areas of reading, writing, speaking, and listening. <i>Fall, Spring.</i> |
| HFT 4294 | RCHM-HOS | 3(3,0) | Hospitality Enterprises Management II: PR: C.I. Planning and implementing strategies for managing the human resource in the hospitality/tourism industry. <i>Occasional.</i> |
| HFT 4295 | RCHM-HSP 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. <i>Fall, Spring.</i> |
| 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. <i>Occasional.</i> |
| HFT 4343 | RCHM-HSP SERV | 3(3,0) | Hospitality Facilities Planning and Design: PR: HFT 1000, HFT 2254 and junior standing; or C.I. Principles of facility planning, layout and design for dining, kitchen, guest room, lobby, and service areas. <i>Odd Fall.</i> |
| HFT 4358 | RCHM-TEA | 3(3,0) | Golf Course Facility Design: PR: HFT 3355. Golf course and golf facility design from a functional perspective and from a perspective of form. <i>Occasional.</i> |
| HFT 4375 | RCHM-TEA | 3(3,0) | Advanced Trade Show Management: PR: HFT 4754 or C.I. Trade show installation, floor management and dismantling/shipping. Pre-event logistics and on-site management of critical success factors. <i>Occasional.</i> |
| 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. <i>Odd Spring.</i> |
| 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. <i>Occasional.</i> |
| 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. <i>Occasional.</i> |
| HFT 4442 | RCHM-HOS | 3(3,0) | Vacation Ownership Reservations and Database Systems: PR: HFT 1000, HFT 3273, HFT 4522, HFT 4274 or C.I. Tactics and strategies necessary for owner exchange, information transmittal, and financial reporting. <i>Occasional.</i> |
| 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. <i>Fall, Even Spring.</i> |
| 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. <i>Odd Fall, Odd Spring.</i> |
| 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. <i>Occasional.</i> |
| HFT 4522 | RCHM-HOS | 3(3,0) | Vacation Ownership Resort Sales Tactics and Strategies: PR: HFT 1000, HFT 3273 or C.I. Sales tactics and corporate strategies employed in the sales and marketing of vacation ownership properties. <i>Occasional.</i> |
| HFT 4532 | 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. <i>Fall.</i> |
| HFT 4561 | RCHM-TEA | 3(3,0) | Destination Marketing: PR: HFT 2500 and HFT 3700. Development of destination-oriented marketing goals and strategies with an emphasis on integrated destination marketing. Covers trends and challenges influencing destination marketing. <i>Occasional.</i> |
| 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. <i>Occasional.</i> |
| HFT 4645 | RCHM-HOS | 3(3,0) | Restaurant Real Estate, Site Selection, and Modeling: PR: Hospitality and Restaurant Management Cores or C.I. Explains the management systems for finding, evaluating, securing, and developing dynamic restaurant real estate locations. <i>Occasional.</i> |
| HFT 4717 | RCHM-HOS | 3(3,0) | Hospitality Operations II: PR: Junior Standing. A survey of tourism, travel agency, airline, convention and trade show operations from both the U.S. and international perspective. <i>Occasional.</i> |
| 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. <i>Occasional.</i> |
| 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. <i>Fall, Spring.</i> |
| 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. <i>Occasional.</i> |
| HFT 4752 | RCHM-TEA | 3(3,0) | Guest Services Management II: PR: HFT 3540 or C.I. Using decision theory and analytical techniques to create and maintain quality guest services. The emphasis is on strategic implications of quality service management. <i>Occasional.</i> |

UCF Courses and Descriptions

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| HFT 4753 | RCHM-TEA | 3(3,0) | HFT 4844 | RCHM-HOS | 3(3,0) | HIM 4506C | HPA-HP | 3(2,2) |
| <p>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. <i>Spring.</i></p> | | | <p>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. <i>Occasional.</i></p> | | | <p>Quality Management: PR: HSC 3537 or C.I. Principles and mechanics of quality improvement: utilization review; case management and risk management. <i>Fall, Spring.</i></p> | | |
| HFT 4754 | RCHM-TEA | 3(3,0) | HFT 4861C | RCHM-HOS | 3(3,1) | HIM 4656C | HPA-HP | 3(2,2) |
| <p>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. <i>Fall, Spring.</i></p> | | | <p>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. <i>Spring.</i> M&S fee: \$45.00</p> | | | <p>Health Information Management Systems: PR: HSA 4191 or C.I. Vitalization of computerized information systems, management and patient care in the health care industry, systems analysis, system design and project management concepts. <i>Fall, Spring.</i></p> | | |
| HFT 4755 | RCHM-TEA | 3(3,0) | HFT 4864 | RCHM-HOS | 3(3,0) | HIM 4676 | HPA-HP | 3(3,0) |
| <p>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. <i>Fall, Spring.</i></p> | | | <p>Seminar in Quality Brewing and Fine Beer: PR: HFT 1000, HFT 3263. Minimum age of 21. The production and service of malt beverages. <i>Spring.</i> M&S fee: \$45.00</p> | | | <p>Professional Development and Issues in Health Information Management: PR: HIM 4344C, HIM 4506C. Analysis of management functions in health care setting; the HIM professional as an educator; problem-solving techniques; professional ethics; alternative careers. <i>Spring.</i></p> | | |
| HFT 4757 | RCHM-TEA | 3(3,0) | HFT 4865 | RCHM-HOS | 3(3,0) | HIM 4816C | HPA-HIM | 3(1,4) |
| <p>Event Management: PR: HFT 3443, HFT 3670, HFT 3792, HFT 3512, HFT 4802 and junior standing or C.I. Reviews the role and scope of events in the hospitality industry, as well as the process of planning, organizing, and managing events. <i>Fall, Spring.</i> M&S fee: \$37.00</p> | | | <p>Advanced Wine Management: PR: HFT 4866C or C.I. Advanced study of viticulture, enology and wine regions of the world. <i>Occasional.</i> M&S fee: \$45.00</p> | | | <p>Professional Practice Experience II: PR: HIM 3806L and CR: HIM 4226C, HIM 4256C, HIM 4344C, and HIM 4506C. Transcription; coding; quality improvement; risk management; human resources; statistics; accrediting and licensing; revenue management cycle; medical staff organization. <i>Fall, Spring.</i></p> | | |
| HFT 4758 | RCHM-TEA | 3(3,0) | HFT 4866C | RCHM-HOS | 3(3,1) | HIM 4838 | HPA-HP | 5(0,15) |
| <p>Contemporary Issues in the Theme Park and Attraction Industry: PR: HFT 4755 and junior standing or C.I. Examination of current issues in the theme park and attractions industry, including hands-on situation analysis. <i>Fall.</i></p> | | | <p>Exploring Wines of the World: PR: HFT 1000; HFT 3263; and Age of 21; or C.I. Using senses to evaluate wines, methodology of tasting and evaluating wines, growing, processing, and production of grape varieties used in making wine. <i>Odd Fall, Even Spring.</i> M&S fee: \$45.00</p> | | | <p>Management Affiliation: PR: All other required courses. Assignment to a selected health care facility serving in an administrative capacity under the direction of a Registered Record Administrator; lab exercises; comprehensive exam. <i>Fall, Spring.</i></p> | | |
| HFT 4759 | RCHM-TEA | 3(3,0) | HFT 4894 | RCHM-HOS | 3(3,0) | HIS 3462 | CAH-HIST | 3(3,0) |
| <p>Product Development in Theme Parks and Attractions: PR: HFT 4755 and junior standing or C.I. The strategic management process associated with product development in the theme parks and attraction industry. <i>Occasional.</i></p> | | | <p>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. <i>Spring.</i></p> | | | <p>History of Science: PR: EUH 2000 and EUH 2001 or C.I. Examines past and present science, scientific thought, and the relationship between science and society. <i>Occasional.</i></p> | | |
| HFT 4762 | RCHM-TEA | 3(3,0) | HFT 4949 | RCHM-RCHM | 0-5(0,1-5) | HIS 3949 | CAH-HIST | 0(0,8) |
| <p>Current Practices in the Airline Industry: PR: Junior standing. A survey of the U.S. and International airline industry. Emphasis on the organization and management functions of the airlines. <i>Occasional.</i></p> | | | <p>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. <i>Fall, Spring.</i></p> | | | <p>Cooperative Education in History: PR: Departmental permission required before registering. Cooperative education experience in history. Graded S/U. May be repeated for credit. <i>Occasional.</i></p> | | |
| HFT 4786 | RCHM-TEA | 3(3,0) | HIM 3006 | HPA-HP | 3(3,0) | HIS 4070 | CAH-HIST | 3(3,0) |
| <p>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. <i>Spring.</i></p> | | | <p>Foundations of Health Information Management (HIM): PR: Acceptance into upper-division limited access HIM program or C.I. Foundation of profession; release of information; record analysis; numbering and filing systems; standards for long-term care; ambulatory care; and mental health records. <i>Fall, Spring.</i></p> | | | <p>Oral History: PR: Either AMH 2010, AMH 2020 or C.I. Theories and practices of oral history. Field work required. <i>Occasional.</i></p> | | |
| HFT 4787 | RCHM-TEA | 3(3,0) | HIM 3116C | HPA-HP | 4(3,2) | HIS 4150 | CAH-HIST | 3(3,0) |
| <p>Operational Issues in the Theme Park and Attraction Industry: PR: HFT 4755. Organizational structure and operational culture of theme parks and attractions. <i>Fall.</i></p> | | | <p>Health Record Organization and Management: PR: HIM 3006. Nomenclatures/classification systems; health and vital statistics; data analysis and presentation; indexing; computer abstracting; accrediting and approving agencies; medical staff organization. <i>Spring.</i></p> | | | <p>History and Historians: PR: C.I. A study of European and/or American historiography. May be used in the degree program a maximum of 2 times. <i>Fall, Spring.</i></p> | | |
| HFT 4791 | RCHM-TEA | 3(3,0) | HIM 3806C | HPA-HP | 3(1,4) | HIS 4935 | CAH-HIST | 3(3,0) |
| <p>Event Management II: PR: HFT 3670, HFT 3512, HFT 3443, HFT 3792, FSS 2221C, HFT 3802, and HFT 3757. Capstone course in event management. Students produce an event that has been planned in HFT 3757. <i>Occasional.</i> M&S fee: \$45.00</p> | | | <p>Professional Practice Experience I: PR: Admission to HIM program. CR: HIM 3006, HSC 3537 and HIM 3116C. Virtual hospital tour; master patient index; numbering and filing systems; assembly and analysis; incomplete record control; record storage; retention and retrieval; and release of information. <i>Fall, Spring.</i></p> | | | <p>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. <i>Fall, Spring.</i></p> | | |
| HFT 4795 | RCHM-TEA | 3(3,0) | HIM 4226C | HPA-HP | 5(3,4) | HIS 4944 | CAH-HIST | 3(3,0) |
| <p>Entertainment Arts and Events: PR: HFT 2750 and HFT 4755 or C.I. A historical perspective of theme park, event, and attraction entertainment. Covers show development, event production, creative processes, casting, costuming, staffing, and evaluation. <i>Fall, Spring.</i></p> | | | <p>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. <i>Fall, Spring.</i></p> | | | <p>Internship in Public History: PR: C.I. The Public History Internship is a one-semester course in which undergraduate history majors explore and gain experience in public history professions. <i>Fall, Spring.</i></p> | | |
| HFT 4796 | RCHM-TEA | 3(3,0) | HIM 4256C | HPA-HP | 3(2,2) | HIS 4970 | CAH-HIST | 3(3,0) |
| <p>International Events: PR: HFT 1000 and HFT 2750; or C.I. Considerations when planning events that are held outside of the United States or that attract a large number of participants from outside the United States. <i>Occasional.</i></p> | | | <p>Coding Procedures II: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for outpatient health information retrieval; CPT/HCPCS; APCs; encoders. <i>Fall.</i></p> | | | <p>Senior Thesis: Original research paper available to advanced history majors, topics to be selected in consultation with a directing professor. <i>Occasional.</i></p> | | |
| HFT 4802 | RCHM-TEA | 3(3,0) | HIM 4344C | HPA-HP | 4(3,2) | HIS 5067 | CAH-HIST | 3(3,0) |
| <p>Catering Management: PR: HFT 3443, HFT 3670, HFT 3792, HFT 3512, FSS 2221C. Catering sales and operations. Emphasis on logistics, market segments, and service. <i>Fall, Spring.</i> M&S fee: \$45.00</p> | | | <p>Health Information Department Management: PR: HIM 3116C; HSA 4180 or MAN 3025; or C.I. Personnel administration; budgeting; forms analysis; work distribution and simplification; equipment selection; ergonomics and space planning. <i>Fall.</i></p> | | | <p>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. <i>Occasional.</i></p> | | |

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| HIS 5158 | CAH-HIST | 3(3,0) | HSA 4191 | HPA-HP | 3(3,0) | HSC 2921 | HPA-HPA | 2(2,0) |
| Classic and Contemporary Historical Thought: PR: Graduate status or senior standing or C.I. Course will explore work of important historians influenced by social theory to gain an understanding of their main concepts. <i>Occasional.</i> | | | Health Care Automation: PR: HSA 3111; CGS 2100C, or CGS 1060C; or C.I. Analysis and design of computerized systems for health data and health administration. <i>Fall, Spring.</i> | | | LEAD Colloquium: PR: Accepted to the LEAD Scholars Program and have completed at least two of the following with a B (3.0) or better: HSC 1931C, EGN 1036C, IDS 1040C, GEB 1091C or EDG 1005C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. May be repeated for credit. <i>Occasional.</i> | | |
| HLP 2701 | ED-ERTL | 3(3,0) | HSA 4220 | HPA-HP | 3(3,0) | HSC 3110C | HPA-HP | 3(2,2) |
| Peer Education Training: PR: Sophomore standing and C.I. Strategies for teaching life skills and health education information for secondary students and college age peers. <i>Fall, Spring.</i> | | | Long Term Patient Management: PR: HSA 3111. Concepts and process of patient care planning and management in a long term care facility. <i>Occasional.</i> | | | Medical Self Assessment: Development of clinical skills and understanding of one's health to encourage active participation of individuals in their own health care. <i>Fall, Spring.</i> M&S fee: \$15.00 | | |
| HLP 4722 | ED-ERTL | 1(1,0) | HSA 4502 | HPA-HP | 3(3,0) | HSC 3147 | HPA-HP | 3(3,0) |
| Teaching Elementary School Health and Physical Education: 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. <i>Fall, Spring.</i> | | | Risk Management Systems: PR: HSA 3111 or C.I. Safety, liability and loss control issues with emphasis on risk retention, risk reduction and risk transfer in health care. <i>Fall, Spring.</i> | | | Introduction to Pharmacology: Review of terminology and regulations. Study of drug types and usage. <i>Fall, Spring.</i> | | |
| HSA 3111 | HPA-HP | 3(3,0) | HSA 4701 | HPA-COM SC&DIS | 6(6,0) | HSC 3406C | HPA-HP | 3(2,3) |
| U.S. Health Care Systems: PR: Major or minor in College of Health or C.I. A survey of the economics, social, and political aspects of the health care system in the United States. <i>Fall, Spring.</i> | | | Introduction to Research in the Health Professions: PR: Senior or post-bac standing. The logic of research and the architecture of basic and applied investigations that are internally and externally reliable and valuable will be stressed. <i>Occasional.</i> | | | CPR & First Aid: To train individuals to accepted and recognized medical standards in emergency first aid and CPR to include medical, environmental and trauma related emergencies. <i>Occasional.</i> | | |
| HSA 3111H | HPA-HP | 3(3,0) | HSA 4702 | HPA-HP | 3(3,0) | HSC 3537 | HPA-HP | 3(3,0) |
| U.S. Health Care Systems Honors: PR: Major or minor in College of Health or C.I. Permission of Honors. A survey of the economics, social, and political aspects of the health care system in the United States. With Honors content. <i>Occasional.</i> | | | Health Sciences Research Methods: PR: HSA 3111; STA 2014C or STA 2023; or C.I. Introduction to research design in the Health Sciences, including design, literature review, testing, analysis, and conclusions. <i>Fall, Spring.</i> | | | Medical Terminology: A study of the language of medicine and allied health specialties, including work construction, definitions, and application of terms. <i>Fall, Spring.</i> | | |
| HSA 3170 | HPA-HP | 3(3,0) | HSA 5177 | HPA-HP | 3(3,0) | HSC 3559 | HPA-COM SC&DIS | 3(3,0) |
| Health Care Finance: PR: HSA 3111 or C.I., ACG 2021 and ACG 2071. Budgeting and resource allocation related to health care agencies. <i>Fall, Spring.</i> | | | Foundations of Health Care Finance: PR: Admission to graduate program in HSA or C.I. Preparatory course for graduate students who are not prepared to take the required health care finance course. <i>Occasional.</i> | | | Disabilities in American Society: PR: Junior or senior status. Personal, social, and environmental impediments confronted by persons with disabilities, including communicative disorders. Strategies that promote life satisfaction are also reviewed. <i>Fall.</i> | | |
| HSA 3222 | HPA-HP | 3(3,0) | HSA 5198 | HPA-HP | 3(3,0) | HSC 3593 | HPA-HP | 3(3,0) |
| Long Term Care and Administration: PR: HSA 3111 or C.I. Organization and functioning of long-term care administration. Covers long-term care providers, interaction in long-term care continuum, managing long-term care and future issues. <i>Even Fall, Spring.</i> | | | Health Care Decision Sciences and Knowledge Management: PR: Graduate standing. Emphasis on development of a general systematic approach to solving problems under uncertainty. The role of informatics and application of information technology in improving managerial decision making process will be presented. <i>Occasional.</i> | | | HIV Disease: A Human Concern: Analysis of the spectrum of HIV disease and the issues surrounding this public health crisis. <i>Fall, Spring.</i> | | |
| HSA 3430 | HPA-HP | 3(3,0) | HSA 5257 | HPA-HP | 3(3,0) | HSC 3640 | HPA-HP | 3(3,0) |
| Health Care Economics: PR: HSA 3111; ECO 2023; or C.I. To provide an application of economic principles to analyze how different economic incentives affect patients, providers, and policy makers behaviors in the delivery of health services. <i>Fall, Spring.</i> | | | ICD9 Coding for Health Services Administrators: PR: HSC 6636, B.S. in Health Related field, or C.I. Emphasis on developing basic skills to facilitate an understanding of the coding process and the compliance issues relevant to the process. May be repeated for credit. <i>Occasional.</i> | | | Health Law: PR: HSA 3111 or C.I. Principles of law as applied to the health field, with special reference to health practices. <i>Fall, Spring.</i> | | |
| HSA 4109 | HPA-HP | 3(3,0) | HSA 5258 | HPA-HP | 3(3,0) | HSC 4008 | HPA-HP | 3(3,0) |
| Principles of Managed Care: PR: HSA 3111 or C.I. Course will introduce the contractual, financial, and practice pattern components of managed care. <i>Even Fall, Spring.</i> | | | CPT Coding for Health Services Administrators: PR: HSC 6636 or C.I., or BS in Health-related field. Emphasis on developing skills to facilitate an understanding of CPT Coding process and the compliance issues relevant to the process. <i>Occasional.</i> | | | Professional Development in Health Professions: PR: RET 3026C or C.I. Career development planning, professional leadership approaches to problem solving, regulatory and professional requirements, and the impact of disease and technology on the health care industry. <i>Spring.</i> | | |
| HSA 4150H | HPA-HP | 3(3,0) | HSC 1931C | HPA-HPA | 2(1,1) | HSC 4158 | HPA-HP | 2(2,0) |
| Honors Health Care Policy: PR: Permission of Honors and Junior Standing or C.I. Examination of five significant policy issues to enable the student to gain knowledge and understanding of the complexities of health care as a societal issue. <i>Occasional.</i> | | | Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Health & Public Affairs providing a foundation of leadership, scholarship, and service regarding disciplines in the college. <i>Occasional.</i> | | | Medical Pharmacology I: Drugs in pulmonary diseases; effects on nervous system, and neuroeffectors, depressants & stimulants; influence on metabolism and endocrines. (MDRV) Bronchodilators, mycolytics, etc. <i>Fall.</i> | | |
| HSA 4180 | HPA-HP | 3(3,0) | HSC 2000 | HPA-HP | 2(2,0) | HSC 4159 | HPA-HP | 2(2,0) |
| Organization & Management for Health Agencies I: PR: HSA 3111 or C.I. General description and analysis of the management and organization of a variety of healthcare organizations including hospitals, long term care facilities and medical group practices. <i>Fall.</i> | | | Introduction to the Allied Health Professions: A survey of allied health professions with regard to duties, responsibilities, education and training, ethics, and relationships with other health professionals. Graded S/U. <i>Fall.</i> | | | Medical Pharmacology II: PR: HSC 4158 or C.I. Drugs used in cardiovascular disorders. Includes inotropic, chronotropic agents, beta blocker drugs, calcium channel antagonists. <i>Spring.</i> | | |
| HSA 4184 | HPA-HP | 3(3,0) | HSC 2100 | HPA-HP | 3(3,0) | HSC 4201 | HPA-HP | 3(3,0) |
| Organization & Management for Health Agencies II: PR: HSA 3111 and HSA 4180, or C.I. In-depth analysis of the management and organization of healthcare organizations including hospitals, long term care facilities, and medical group practices. <i>Fall.</i> | | | US Healthcare: Introduction and Challenges: Healthcare in the US as a dynamic enterprise: the professionals, array of services and the social and economic forces affecting their performance. <i>Occasional.</i> | | | Community Health: PR: HSA 3111 or C.I. Historical, sociocultural and economic factors in community health; current community health problems; interphase of governmental, voluntary and private agencies. <i>Fall, Spring.</i> | | |
| | | | | | | HSC 4243 | HPA-HP | 3(3,0) |
| | | | | | | Analysis of Instruction in Health Professions: Development of teaching aids, audiovisuals, learning packets. Course development, questioning strategies, evaluation of didactic and clinical performance. <i>Spring.</i> | | |
| | | | | | | HSC 4500 | HPA-HP | 3(3,0) |
| | | | | | | Epidemiology: PR: HSA 3111 or C.I., STA 2014C or STA 2023. A study of the distribution and determination of diseases and injuries in human population. <i>Fall, Spring.</i> | | |

UCF Courses and Descriptions

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|--|----------|--------|---|----------|--------|--|----------|--------|
| HSC 4555 | HPA-HP | 3(3,0) | HUM 3394 | CAH-PHIL | 3(3,0) | HUM 4330 | CAH-PHIL | 3(3,0) |
| Pathophysiology Mechanisms: PR: ZOO 3733C and PCB 3703C, or C.I. A study of pathologic lesions and pathophysiology mechanisms in causation and evolution of the various disease state. <i>Fall, Spring.</i> | | | Representations of Place and Space: PR: HUM 2230 or C.I. Phenomenological, symbolic, constructivist, and determinist approaches to personal and social place and space. <i>Occasional.</i> | | | Performance Theory: PR: Junior standing and HUM 2230 and either PHI 2010, PHI 2011, PHI 2108, or C.I. Traditional and contemporary theories of performance with a focus on linguistic performatives, bodily and virtual performances, self-identity, and the politics of performance. <i>Occasional.</i> | | |
| HSC 4564 | HPA-HP | 3(3,0) | HUM 3401 | CAH-PHIL | 3(3,0) | HUM 4393 | CAH-PHIL | 1(1,0) |
| Health Care Needs of the Elderly: PR: HSA 3111 or C.I. Overview of the physical and emotional needs of the elderly, including the institutional health care available. <i>Fall, Spring.</i> | | | Asian Humanities: PR: HUM 2230 or C.I. An interdisciplinary survey of the cultures of India, China, and Japan, concentrating on their traditional art, literature, religion, philosophy, and music. <i>Occasional.</i> | | | 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 indicating development of humanistic knowledge and skills. Graded S/U. <i>Fall, Spring.</i> | | |
| HSC 4652 | HPA-HP | 3(3,0) | HUM 3417 | CAH-PHIL | 3(3,0) | HUM 4554 | CAH-PHIL | 3(3,0) |
| Health Law and Ethics: PR: HSA 3111 or C.I. Overview of the legal and ethical issues faced by health care consumers, practitioners, administrators and health care facilities. <i>Fall.</i> | | | 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. <i>Occasional.</i> | | | Religious Quest and Human Dilemma: PR: ENC 1102 or C.I. Nature of the sacred, death, and future life and how they relate to human existence. <i>Even Fall.</i> | | |
| HSC 5317 | ED-ERTL | 3(3,0) | HUM 3419 | CAH-PHIL | 3(3,0) | HUM 4556 | CAH-PHIL | 3(3,0) |
| Health Methods: Teaching Strategies and Interventions: PR: Admission to Graduate Certificate in Health and Wellness or C.I. Application of the knowledge of teaching strategies, methodology, and curriculum to develop a comprehensive school health program. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| HSC 5595 | HPA-HP | 3(3,0) | HUM 3419H | CAH-PHIL | 3(3,0) | HUM 4823 | CAH-PHIL | 3(3,0) |
| AIDS: A Human Concern: Focus on epidemiology, transmission, prevention, legal and health care issues, economic impact, psychosocial aspects, sexuality, substance abuse, ethics, hollines, referral services and the decision making process. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Queer Theory in the Humanities: PR: HUM 2210 and HUM 2230 and Junior standing or C.I. Developments in queer theory. Challenge to research by scholars, activists, performers, and visual artists. <i>Occasional.</i> | | |
| HUM 2020 | CAH-PHIL | 3(3,0) | HUM 3431 | CAH-PHIL | 3(3,0) | HUM 4933 | CAH-PHIL | 3(3,0) |
| Encountering the Humanities: The range of ideas, research methods and approaches to scholarship, critical reflection, and creative work in the humanities. <i>Spring.</i> | | | Ancient Humanities: PR: HUM 2230 or C.I. Development of Ancient Greek thought and culture with emphasis on philosophy, religion, literature and art. <i>Occasional.</i> | | | Senior Research Seminar: PR: Senior standing and Humanities major. Capstone course on research, developing effective oral and written communication skills. <i>Occasional.</i> | | |
| HUM 2210 | CAH-PHIL | 3(3,0) | HUM 3435 | CAH-PHIL | 3(3,0) | HUM 5802 | 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. <i>Fall, Spring.</i> | | | Medieval Humanities: PR: ENC 1102 or C.I. Development of Medieval thought and culture with emphasis on Philosophy, Religion, Literature and Art. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| HUM 2210H | CAH-PHIL | 3(3,0) | HUM 3460 | CAH-PHIL | 3(3,0) | HUM 5803 | 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. <i>Fall.</i> | | | Latin American Humanities: PR: HUM 2210 or HUM 2230. Ideas in cultures of Latin America and Caribbean basin as expressed in arts, architecture, music, philosophy, religion, literature and film. <i>Occasional.</i> | | | 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. <i>Fall.</i> | | |
| HUM 2230 | CAH-PHIL | 3(3,0) | HUM 3552 | CAH-PHIL | 3(3,0) | HUN 2002 | HPA-HP | 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. <i>Fall, Spring.</i> | | | 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. <i>Occasional.</i> | | | Modern Concepts in Nutrition: An examination of the eating patterns of today's American people. Topics include: nutrients in our diets, consumer demand in the food industry; fast food outlets, food trends and hunger. <i>Fall, Spring.</i> | | |
| HUM 2230H | CAH-PHIL | 3(3,0) | HUM 3553 | CAH-PHIL | 3(3,0) | HUN 3011 | CON-NURS | 3(3,0) |
| Honors Humanistic Tradition II: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Honors content. <i>Spring.</i> | | | 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. <i>Occasional.</i> | | | Human Nutrition: Essentials of nutrition related to the life cycle, including the physiological, psychosocial, and cultural aspects of nutrition and the inter-relationship with disease are emphasized. <i>Fall, Spring.</i> | | |
| HUM 3252 | CAH-PHIL | 3(3,0) | HUM 3800 | CAH-PHIL | 3(3,0) | HUN 3013 | RCHM-HOS | 3(3,0) |
| Contemporary Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the 20th century. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Nutrition Concepts and Issues in the Food Service Industry: PR: FSS 2221C or C.I. Introduces basic nutrition concepts. Discusses nutrition concepts and concerns in relation to food preparation and service in the hospitality industry. <i>Occasional.</i> | | |
| HUM 3255 | CAH-PHIL | 3(3,0) | HUM 4301 | CAH-PHIL | 3(3,0) | HUN 5247 | HPA-HP | 3(3,0) |
| Modern Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the modern period. <i>Occasional.</i> | | | 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. <i>Spring.</i> | | | Principles of Human Nutrition: PR: Admission to Health Sciences Clinical Lifestyle 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. <i>Occasional.</i> | | |
| HUM 3320 | CAH-PHIL | 3(3,0) | HUM 4303 | CAH-PHIL | 3(3,0) | | | |
| Contemporary Multicultural Studies: PR: HUM 2230, Junior standing, or C.I. Studies the confluence of diverse cultures making up North America in the Information Age, focusing on complete primary sources in philosophy, literature, visual arts and music. <i>Even Fall.</i> | | | The Spiritual Ideal: PR: HUM 2210 and HUM 2230 or C.I. Concerns works of art reflecting spiritual insight or the spiritual quest; mystical impulses contrasted to ethos and pathos. <i>Odd Spring.</i> | | | | | |

IDH 1920H BHC-HON 2(2,1)
Honors Symposium I: PR: Permission of Honors. Readings, lectures, discussions, and laboratories covering aspects of scholarship and service learning. Graded S/U. *Fall.*

IDH 1921H BHC-HON 2(2,0)
Honors Symposium II: PR: IDH 1920H. Readings, lectures and discussions covering aspects of scholarship, artistic, and other creative efforts. Graded S/U. *Spring.*

IDH 1923H BHC-HON 2(2,1)
Honors Foundation of Leadership: PR: Permission of Honors. An honors symposium that presents academic leaders and their research or artistic achievements. Students are organized in groups to discuss leadership principles and applications. Graded S/U. *Occasional.*

IDH 4030H BHC-HON 1(3,0)
Honors Windows To The World: PR: Permission of Honors and IDH 1921H, enrolled in Accelerated Pre-med Program; or C.I. Students will cultivate an active sense of the liberal arts and sciences as they prepare for prestigious scholarships and graduate school. Graded S/U. May be repeated for credit. *Occasional.*

IDS 1040C COS-COMM 2(1,1)
Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Arts & Sciences providing a foundation of leadership, scholarship, and service regarding disciplines in the college. *Fall, Spring.*

IDS 2041C COS-COS 2(1,1)
LEAD Colloquium: PR: Must have completed 2 of the following with a grade of B or better: IDS 1040C, GEB 1091C, HSC 1931C, EGN 1036C, EDG 1005, or EDF 1930C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. *Occasional.*

IDS 3150 UGST-INTERDISC 3(3,0)
Foundations of Environmental Studies: PR: Junior standing, complete equivalent of UCF Science and Math GEP. An overview of the approaches taken by different disciplines to address regional, national, and global environmental issues. *Spring.*

IDS 3333 UGST-INTERDISC 3(3,0)
World Comparative Studies: PR: ENC 1102 or C.I. Comparative study of cultures, economies, languages, and social systems using approaches and data from multiple disciplines. *Occasional.*

IDS 3334 CAH-HIST 3(3,0)
Topics in Latino Studies: PR: ENC 1102. Multi-disciplinary course exploring various topics pertaining to Latinos in the U.S. *Occasional.*

IDS 3933 UGST-INTERDISC 3(3,0)
Cornerstone Experience: PR: ENC 1102, Junior standing, Interdisciplinary Studies major, or C.I. Interdisciplinary study essentials, including basic concepts and methodological tools, to synthesize material from disparate fields and apply them to academic plans and career goals. *Fall, Spring.*

IDS 4156 UGST-INTERDISC 3(3,0)
Solving Environmental Problems: PR: IDS 3150, ECP 4302, GIS 3043C, GIS 4301C and PUP 3203, or C.I. Capstone course in Environmental Studies focusing on how environmental dilemmas are addressed. *Occasional.*

IDS 4315 COS-POLS 3(3,0)
Global Perspectives: PR: Completion of general education requirements and junior standing or C.I. The historical and contemporary contexts of globalization. *Spring.*

IDS 4335 CAH-CAH 3(3,0)
Latino Artistic Expressions: PR: IDS 3334 or C.I. Latino culture as represented by the Arts in the United States. *Odd Spring.*

IDS 4786C CAH-DIG 4(3,3)
Production Software Workshop: PR: COT 3960 and DIG 4204C, or C.I. Generating and manipulating digital imagery. Techniques, mechanics, underlying representations and data: introductions to scripting, plug-ins, procedural models. *Occasional.*

IDS 4934 UGST-INTERDISC 3(3,0)
Capstone Experience: PR: IDS 3933, Junior standing, and Interdisciplinary Studies major, or C.I. Student exposition of coursework demonstrating the understanding of interdisciplinary approaches and successful synthesis of interdisciplinary studies, applied to the course of study and academic/career goals. *Fall, Spring.*

IDS 4935 COS-SOC 3(3,0)
Multidisciplinary Research Methods: PR: McNair Scholar and Junior Standing. Research methods of various disciplines designed for McNair Program Scholars. *Occasional.*

IDS 5127 COM-M&M 3(3,0)
Foundation of Bio-Imaging Science: PR: graduate standing. Fundamental theory, design, and practice of modern bio-imaging techniques used for basic biomedical research applications. *Occasional.*

IDS 5145 ECS-IEMS 3(3,2)
Interdisciplinary course in simulation: PR: Calculus, matrix algebra, probability & statistics, high level programming language. An interdisciplinary course on simulation with hands-on experience in discrete event modeling, continuous modeling & shared virtual world. May be repeated for credit. *Occasional.*

IDS 5717C COS-PSYCH 3(2,2)
Introduction to Modeling and Simulation: PR: STA 2023 or equivalent. Introduction to the theory and practice of modeling and simulation with emphasis on multidisciplinary scientific underpinnings. *Fall, Spring.*

IDS 5719 COS-PSYCH 3(3,0)
Quantitative Aspects of Modeling and Simulation: PR: MAC 2241 or equivalent. Introduction to matrix algebra and other discrete mathematics topics for modeling and simulation applications. *Spring.*

IDS 5915 CAH-PHIL 3(3,0)
Research Methods in Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Interdisciplinary research methods in the cognitive sciences. *Spring.*

IDS 5936 CAH-PHIL 3(3,0)
Topics in Cognitive Sciences: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, and behavioral capacities. *Fall.*

INP 3004 COS-PSYCH 3(3,0)
Industrial/Organizational Psychology: PR: PSY 2012 or C.I. Psychological theories and principles applicable to problems in industrial organizations. *Fall.*

INP 3004H COS-PSYCH 3(3,0)
Honors Industrial/Organizational Psychology: PR: PSY 2012 and consent of Honors. Psychological theories and principles applicable to problems in industrial organizations. With Honors content. *Occasional.*

INP 3141C COS-PSYCH 1-3(0,3-9)
Advanced Applied Psychology: PR: PSY 2012 and C.I. Course will explore application of psychological knowledge to clinical, experimental, industrial, or educational settings. Supervised laboratory experience is required. May be repeated for credit. Graded S/U. *Fall, Spring.*

INP 3951 COS-PSYCH 3(0,10)
Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. *Occasional.*

INP 4252 COS-PSYCH 3(3,0)
Advanced Industrial Psychology: PR: INP 3004 and PSY 3213C. Application of psychological principles to industrial problems. Topics include selection, training, performance appraisal, job design, and work environment. *Occasional.*

INP 4313 COS-PSYCH 3(3,0)
Organizational Psychology: PR: INP 3004. Analysis of the psychological principles underlying individual and group behavior in an organizational setting. Topics include group dynamics, leadership and participation, intergroup behavior, and organization development. *Occasional.*

INP 5825 COS-PSYCH 3(3,0)
Human-computer Interface (HCI) design: A team approach: PR: Graduate status or senior standing or C.I. Interdisciplinary approach to human-computer interface design, including behavior, engineering, computer science, and instructional aspects. Tools and techniques for team development and the evaluation of software for usability. *Occasional.*

INR 2002 COS-POLS 3(3,0)
International Relations-Theory and Practice: Analysis of the fundamental principles and factors affecting interstate relations and their application to contemporary global developments. *Fall, Spring.*

INR 3016 COS-POLS 3(3,0)
Global Political Issues: PR: POS 2041 or C.I. Current global political topics from political development and income gap to gender issues and environmental challenges. *Occasional.*

INR 3250 COS-POLS 3(3,0)
Politics of Pan-Africanism: PR: INR 2002. Political expressions of Pan-Africanism throughout the major regions of the African Diaspora. *Occasional.*

INR 3253 COS-POLS 3(3,0)
International Politics of Africa: PR: Junior standing or C.I. The broad structures and processes of international politics and foreign policy in Africa, with particular attention on U.S.-African relations. *Occasional.*

INR 4011 COS-POLS 3(3,0)
Politics of Globalization: PR: INR 2002 or POS 2041 or C.I. Major political causes and consequences of globalization. *Occasional.*

INR 4030 COS-POLS 3(3,0)
Diplomacy: PR: POS 2041, Junior standing or C.I. Concepts, theories, and methods of contemporary diplomacy; diplomatic processes in the international arena. *Spring.*

INR 4030H COS-POLS 3(3,0)
Honors Diplomacy: PR: POS 2041 and consent of Honors. Concepts, theories, and methods of contemporary diplomacy; diplomatic processes in the international arena. *Occasional.*

INR 4035 COS-POLS 3(3,0)
International Political Economy: The international politics of regional and global economic interdependence, with emphasis upon North-South relations, the New International Economic Order, OPEC, and multinational corporations. *Odd Spring.*

INR 4054 COS-POLS 3(3,0)
Global Politics of Energy: PR: POS 2041 or INR 2002 or C.I. International/national dimensions of global energy policy within developed and underdeveloped countries. *Occasional.*

UCF Courses and Descriptions

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| INR 4060 | COS-POLS | 3(3,0) | INR 4304 | COS-POLS | 3(3,0) | INT 4206C | HPA-COM SC&DIS | 4(3,1) |
| Causes of War: PR: POS 2041 or INR 2002 or C.I. The primary theoretical and empirical research explaining militarized interstate conflict. <i>Fall</i> . | | | Issues in International Public Policy: PR: POS 2041, Junior standing or C.I. Endogenous and exogenous variables, including policy analysis and decision-making, which influence select international public policy issues. <i>Occasional</i> . | | | Interactive Interpreting II: PR: INT 4205C or C.I. Advanced cognitive, linguistic and motor skill development in the use of ASL. <i>Occasional</i> . | | |
| INR 4064 | COS-POLS | 3(3,0) | INR 4335 | COS-POLS | 3(3,0) | ISC 2215 | COS-MATH | 1(3,0) |
| Changing Nature of War: PR: POS 2041 or C.I. The changing nature of war in light of significant changes in technology and international politics. <i>Occasional</i> . | | | Coercion in International Politics: Examination of the role of coercive techniques among states in a nuclear age, ranging from nuclear strategy and deterrence to wars of national liberation and coups. <i>Even Fall</i> . | | | Interdisciplinary Applications of Calculus I: CR: MAC 2311. Interdisciplinary applications of differential and integral calculus topics in MAC 2311 to the solution of concrete problems in science, mathematics, and engineering disciplines. <i>Fall</i> . | | |
| INR 4074 | COS-POLS | 3(3,0) | INR 4350 | COS-POLS | 3(3,0) | ISC 2216 | COS-MATH | 1(3,0) |
| Immigration Policy: PR: POS 2041, Junior standing or C.I. Analysis of the complex subject of immigration, including U.S. and comparative immigration policy, illegal immigration, alien smuggling, and statelessness and their political/security impact. <i>Occasional</i> . | | | Global Environmental Politics: PR: INR 2002 or POS 2041 or C.I. The unique environmental struggles and political issues that occur on the international and global levels. <i>Fall</i> . | | | Interdisciplinary Applications of Calculus II: CR: MAC 2312. Interdisciplinary applications of differential and integral calculus topics in MAC 2312 to the solution of concrete problems in science, mathematics, and engineering disciplines. <i>Spring</i> . | | |
| INR 4075 | COS-POLS | 3(3,0) | INR 4351 | COS-POLS | 3(3,0) | ISC 2217 | COS-MATH | 1(3,0) |
| Human Rights Policy: PR: POS 2041, Junior standing or C.I. Meaning of human rights, political and international implications of human rights policies, relationship to global peace, racism, gender inequality, economic development and democratization. <i>Spring</i> . | | | International Environmental Law: PR: Junior standing or C.I. Examination of global efforts to establish a treaty regime for environmental protection of earth's biosphere when challenged by national sovereignty and economic and cultural diversity. <i>Occasional</i> . | | | Interdisciplinary Applications of Calculus III: CR: MAC 2313. Interdisciplinary applications of differential and integral calculus topics in MAC 2313 to the solution of concrete problems in science, mathematics, and engineering disciplines. <i>Fall</i> . | | |
| INR 4076 | COS-POLS | 3(3,0) | INR 4364 | COS-POLS | 3(3,0) | ISM 3011C | BA-MIS | 4(3,1) |
| Global Drug Policy: PR: POS 2041, Junior standing or C.I. International drug control issues, policy formulation and enforcement, impact of government and political economic systems on drug policy. Selected Latin American and Third World cases. <i>Odd Spring</i> . | | | The Intelligence Community: PR: POS 2041 or INR 2002 or CPO 3103 or C.I. The intelligence community structure in its relationship to foreign policy decision making, consideration of control and reliability questions, and issues of cooperation and coordination. <i>Spring</i> . | | | Essentials of Management Information Systems: PR: Junior standing and open to Business majors and minors and other approved majors; CGS 2100C or CGS 1060C. Management and use of information technology (IT) in organizations. Emphasis on how IT impacts operations and decision making. <i>Fall, Spring</i> . | | |
| INR 4085 | COS-POLS | 3(3,0) | INR 4401 | COS-POLS | 3(3,0) | ISM 3011H | BA-MIS | 3(3,0) |
| Women, Gender, and Globalization: PR: Junior standing. Feminist and gender perspectives in International Relations, Globalization, and International Political Economy. <i>Occasional</i> . | | | International Law I: PR: Junior standing or C.I. The nature, evolution, and sources of international law and such subareas as recognition of states and governments, expropriation, nationality, and aliens. <i>Occasional</i> . | | | Honors Management Information Systems: PR: Junior standing and business major or minor, permission of Honors, CGS 2100C or CGS 1060C. Management and use of information technology in organizations. <i>Occasional</i> . | | |
| INR 4102 | COS-POLS | 3(3,0) | INR 4402 | COS-POLS | 3(3,0) | ISM 3013 | BA-MIS | 3(3,0) |
| American Foreign Policy: Development of American foreign policy, with emphasis on the role and policies of the United States in the contemporary world. <i>Odd Fall</i> . | | | International Law II: PR: INR 4401 or C.I. Examination of various sub-areas of international law, including maritime law, laws of the sea and seabed, air law, outer space, neutrality, and laws of war. <i>Occasional</i> . | | | Introduction to Information Systems Management: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011C. Not open to MIS majors. Concepts and methods related to the management of information systems in organizations. <i>Occasional</i> . | | |
| INR 4104 | COS-POLS | 3(3,0) | INR 4404 | COS-POLS | 3(3,0) | ISM 3043 | BA-MIS | 3(3,0) |
| Topics and Cases in American Foreign Policy: PR: POS 2041, Jr. standing or C.I. General or intensive analysis of problems or aspects of U.S. foreign policy. Issues may include September 11th, homeland security, counter-terrorism, policymaking and decision-making and intelligence. <i>Odd Spring</i> . | | | Space Law: Examination of the legal regime of outer space from both international and national perspectives, and the legal problems arising from human activity in space. <i>Occasional</i> . | | | Society and Technology: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011C. Not open to MIS majors. Explores societal issues related to technology. Topics include technology ethics, privacy and security, and access inequities. <i>Occasional</i> . | | |
| INR 4114 | COS-POLS | 3(3,0) | INR 4502 | COS-POLS | 3(3,0) | ISM 3214 | BA-MIS | 3(3,0) |
| American Security Policy: PR: POS 2041, Junior standing, or C.I. Study of the evolution of American security policy since World War II, including consideration of the social and political costs involved and means of control. <i>Occasional</i> . | | | International Organizations: The study of the structure and workings of international organizations of cooperation, including the UN, its affiliates, and various regional organizations. <i>Even Fall, Odd Spring</i> . | | | Personal Database Productivity: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011C. Not open to MIS majors. The use of databases and data products. Emphasizes modern tools for accessing organizational data, data mining and reporting. <i>Occasional</i> . | | |
| INR 4115 | COS-POLS | 3(3,0) | INR 4603 | COS-POLS | 3(3,0) | ISM 3253 | BA-MIS | 4(3,3) |
| Strategic Weapons and Arms Control: Control of strategic weapons and their impact. Technological and policy aspects, including nuclear proliferation. <i>Occasional</i> . | | | International Relations Theory: PR: INR 2002. Theoretical trends prevalent in the study of international relations, including realism, liberalism, Marxism, feminism, and post-modernism. <i>Occasional</i> . | | | MIS Techniques: PR: CGS 2100C, Open to MIS Majors and Minors and other appropriate majors. Computer programming for users and developers of management information systems. <i>Fall, Spring</i> . | | |
| INR 4224 | COS-POLS | 3(3,0) | INR 4714 | COS-POLS | 3(3,0) | ISM 3424 | BA-MIS | 3(3,0) |
| Contemporary International Politics of Asia: Examinations of the foreign policies of major and secondary powers in Asia, with particular attention to China and Japan. <i>Occasional</i> . | | | Politics of International Trade Policy: PR: INR 2002. Key actors and processes of international trade policy-making at the sub-national, nation-state, regional, and global levels of analysis. <i>Occasional</i> . | | | Computer-Aided Decision Making: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011C. Not open to MIS majors. Prepares the student to use computer-based tools to assist in making organizational decisions. Also includes a component on problem solving techniques. <i>Occasional</i> . | | |
| INR 4225 | COS-POLS | 3(3,0) | INT 4134 | HPA-COM SC&DIS | 3(3,0) | ISM 3501 | BA-MIS | 3(3,0) |
| The Vietnam War: Background of events leading to America's involvement in Indochina, the course of the Vietnam War, and the lessons which that war imparts. <i>Occasional</i> . | | | Ethics of Interpreting Sign Language: PR: ASL 2140, ASL 2150, ASL 4161C. A study of the role of the interpreter, including business practices, professional conduct and interpreting settings. <i>Occasional</i> . | | | Essentials of Electronic Commerce: PR: CGS 2100C or CGS 1060C, and ISM 3011C. Not open to MIS majors. Open to MIS Minors and students whose major requires it. Basic electronic commerce and concepts. Students are required to develop an e-commerce related business plan and build a prototype Web site using a Web site development tool. <i>Occasional</i> . | | |
| INR 4243 | COS-POLS | 3(3,0) | INT 4205C | HPA-COM SC&DIS | 4(3,1) | | | |
| International Politics of Latin America: Study of contemporary U.S.-Latin American relations, interAmerican politics and organization, and the role of Latin America in the world. <i>Occasional</i> . | | | Interactive Interpreting I: PR: ASL 2140, ASL 2150 and ASL 4161C or C.I. Theories, guidelines, principles and practices of interpreting, including interpreter's role, professional behavior and interpreting ethics, and environmental considerations of interpreting situations. <i>Occasional</i> . | | | | | |

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|--|--------|--------|---|--------|--------|--|----------|--------|
| ISM 3521 | BA-MIS | 3(3,0) | ISM 4300 | BA-MIS | 3(3,0) | ISM 5507 | BA-MIS | 3(3,0) |
| Business Applications: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011C. Not open to MIS majors. Advanced topics concerning the use of application software in organizations. Focus on integration of applications. <i>Occasional.</i> | | | Information Technology Management: PR: ISM 4113, MAN 3025, Open to MIS Majors and Minors and students whose major requires it. The strategy and theory of the design, development, adoption, and management of new information technologies. <i>Fall, Spring.</i> | | | Electronic Agora: PR: Admission to graduate study. Broad exploration of internet tools as vehicles for communication, interaction, decision-making, and community formation. <i>Occasional.</i> | | |
| ISM 3530 | BA-MIS | 3(3,0) | ISM 4323 | BA-MIS | 3(3,0) | ISS 4155 | COS-COMM | 3(3,0) |
| Quality & Productivity Management: PR: GEB 3031, MAN 3025. Open to MIS Majors and Minors and students whose major requires it. Principles and theories of quality and operations management in manufacturing and service organizations. <i>Fall, Spring.</i> | | | Information Systems Security: PR: ISM 4220. Open to MIS Majors and Minors and students whose major requires it. Primary issues related to information systems security in an organization's IT infrastructure. <i>Occasional.</i> | | | Science Fiction and the Social Sciences: A multimedia examination of note-worthy science fiction from the Social Science perspective. <i>Occasional.</i> | | |
| ISM 4090 | BA-MIS | 3(3,0) | ISM 4400 | BA-MIS | 3(3,0) | ITA 1120C | CAH-LANG | 4(3,1) |
| Seminar in Management Information Systems: PR: ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. New developments in management information systems in a business environment. <i>Occasional.</i> | | | Decision Support: PR: ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. Computer-based quantitative models and decision support systems in organizations. <i>Fall, Spring.</i> | | | Elementary Italian Language and Civilization I: Introduces the student to Italian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. <i>Fall, Spring.</i> | | |
| ISM 4113 | BA-MIS | 3(3,0) | ISM 4431 | BA-MIS | 3(3,0) | ITA 1121C | CAH-LANG | 4(3,1) |
| Information Systems Analysis and Design: PR: ISM 3253, ISM 4212C. Open to MIS Majors and Minors and students whose major requires it. Structured approaches to the development of computer-based information systems in business. <i>Fall, Spring.</i> | | | Business Process Analysis: PR: ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. Analysis of business processes surrounding Supply Chain Management. Focus on enterprise resource planning technology supports SCM by integrating the business process required for success. <i>Occasional.</i> | | | Elementary Italian Language and Civilization II: PR: ITA 1120C or equivalent. Continuation of ITA 1120C. <i>Fall, Spring.</i> | | |
| ISM 4114 | BA-MIS | 3(3,0) | ISM 4480 | BA-MIS | 3(3,0) | ITA 2200 | CAH-LANG | 3(3,0) |
| Advanced Business Application Development: PR: ISM 3253, ISM 4212C. Open to MIS Majors and Minors and students whose major requires it. Theory and practice in developing client server applications for business and use of modern development tools. Includes principles of multiuser application design and implementation. <i>Occasional.</i> | | | Electronic Commerce Systems: PR: ISM 3253. Open to MIS Majors and Minors and students whose major requires it. Theory and practice in developing electronic commerce systems. Emphasizes economic issues and modern e-commerce development tools. Significant laboratory work required. <i>Occasional.</i> | | | Intermediate Italian Language and Civilization I: PR: ITA 1121C or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar, study of syntax, idiomatic expression, extensive readings, and further study of Italian culture. <i>Fall.</i> | | |
| ISM 4130 | BA-MIS | 3(3,0) | ISM 4941 | BA-MIS | 3(0,3) | ITA 2201 | CAH-LANG | 3(3,0) |
| Information Systems Implementation: PR: ISM 4113. Open to MIS Majors and Minors and students whose major requires it. Management of information systems development in business. <i>Fall, Spring.</i> | | | Internship in MIS: PR: ISM 3253, ISM 4212C, and ISM 3011C, consent of department chair. Provides student with supervised, management information system-related work experience in a sponsoring organization. See department for information. <i>Fall, Spring.</i> | | | Intermediate Italian Language and Civilization II: PR: ITA 2200 or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar and study of syntax, with emphasis on Italian civilization. <i>Spring.</i> | | |
| ISM 4153 | BA-MIS | 3(3,0) | ISM 5021 | BA-MIS | 3(3,0) | ITA 2210 | CAH-LANG | 3(3,0) |
| Enterprise Information Systems: PR: ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. Implementing and managing enterprise information systems in organizations. <i>Occasional.</i> | | | Introduction to Management Information Systems: PR: Acceptance into the graduate program. Designed to provide the student with the fundamentals of business data processing and management information systems used by organizations in a modern society. <i>Occasional.</i> | | | Intensive Italian Conversation: PR: One year of Italian or equivalent. Practical use of the language leading toward fluency and correctness in speaking. <i>Occasional.</i> | | |
| ISM 4154 | BA-MIS | 3(3,0) | ISM 5123 | BA-MIS | 3(3,0) | ITA 2240 | CAH-LANG | 3(3,0) |
| Enterprise Application Development: PR: ISM 4431. Open to MIS Majors and Minors and students whose major requires it. Design and development of enterprise applications with special emphasis on web based development platforms. <i>Occasional.</i> | | | Concepts of Systems Analysis and Design: PR: Graduate standing. Using a traditional life-cycle approach, the course introduces practical tools and techniques for organizational analysis and the subsequent design of an information system. <i>Occasional.</i> | | | Italian Conversation: PR: ITA 2201 or equivalent. Development of skills in conversation and comprehension with an introduction to Italian culture. <i>Occasional.</i> | | |
| ISM 4212C | BA-MIS | 4(3,2) | ISM 5127 | BA-MIS | 3(3,0) | ITA 3420 | CAH-LANG | 3(3,0) |
| Database Design and Implementation: PR: ISM 3253, ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. Design and implementation of relational database in organizations. <i>Fall, Spring.</i> | | | Concepts of Database Design and Administration: PR: Graduate standing. Introduces concepts and methods related to the effective utilization of data by organizations. <i>Occasional.</i> | | | Italian Composition: PR: ITA 2201 or equivalent. Development of skills in composition, with an introduction to Italian culture. <i>Spring.</i> | | |
| ISM 4220 | BA-MIS | 3(3,0) | ISM 5219 | BA-MIS | 3(3,0) | ITA 3440 | CAH-LANG | 3(3,0) |
| Distributed Information Systems: PR: ISM 3253, ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. Computer networking and communications. Managerial and technical dimensions of client/server and other modes of distributed and decentralized computing in business. <i>Fall, Spring.</i> | | | Business Intelligence Systems: PR: Graduate standing. Modern paradigms in data analysis. The detection of useful patterns and relationships in databases. <i>Occasional.</i> | | | Italian for Business: PR: ITA 2200. Italian language for business purposes. <i>Occasional.</i> | | |
| ISM 4228 | BA-MIS | 3(3,0) | ISM 5256 | BA-MIS | 3(3,0) | ITA 3472 | CAH-LANG | 3(3,0) |
| Advanced Distributed Information Systems: PR: ISM 4220. Open to MIS Majors and Minors and other appropriate majors. Provides students with in-depth, hands-on experience with networking hardware and software. Teamwork is emphasized in mastering networking concepts. <i>Occasional.</i> | | | Concepts of Business Programming: PR: Senior or Admission to Graduate Study. Principles of programming including program design, fundamental programming constructs, and database access. <i>Occasional.</i> | | | Renaissance Art Abroad: PR: Junior standing. A study of Renaissance art from Giotto to Michelangelo. <i>Occasional.</i> | | |
| ISM 4238 | BA-MIS | 3(3,0) | ISM 5315 | BA-MIS | 3(3,0) | ITA 3760 | CAH-LANG | 3(3,0) |
| Business Programming/OOP: PR: ISM 3253, ISM 4212C, or C.I. Open to MIS Majors and Minors and students whose major requires it. An introduction to object-oriented programming (OOP) and object-oriented design (OOD). <i>Occasional.</i> | | | Information Systems Project Management: PR: Graduate standing. This course introduces students to the concept of project management including project scope, cost, time and quality. <i>Occasional.</i> | | | Advanced Italian Oral Communication: PR: ITA 2201 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. <i>Fall.</i> | | |
| | | | | | | ITA 4820 | CAH-LANG | 3(3,0) |
| | | | | | | Italian Syntax Abroad: PR: ITA 3420. A study of Italian Syntax for advanced students of Italian. <i>Occasional.</i> | | |
| | | | | | | ITT 3443 | CAH-LANG | 3(3,0) |
| | | | | | | Dante's Inferno: PR: ITW 3100. An in-depth study of Dante's Inferno. In English. <i>Occasional.</i> | | |
| | | | | | | ITT 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. <i>Occasional.</i> | | |

UCF Courses and Descriptions

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|---|----------|--------|---|----------|--------|--|----------|--------|
| ITT 4956 | CAH-LANG | 3(3,0) | JOU 4211C | COS-COMM | 3(2,1) | JPN 2952 | 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. <i>Occasional.</i> | | | Informational Graphics: PR: JOU major and a minimum grade of "C" (2.0) in JOU 2100C. Use of boxes, charts and graphics in the print media. <i>Occasional.</i> | | | Japanese Cultural Studies Abroad: PR: JPN 1120C and JPN 1121C. Japanese culture through key elements of Japanese life and comprehensive exposure of various aspects of their material cultural heritage. Conducted in Japanese. <i>Occasional.</i> | | |
| ITT 4957H | CAH-LANG | 3(3,0) | JOU 4213C | COS-COMM | 3(2,1) | JPN 3760 | 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. <i>Occasional.</i> | | | Page Design: PR: Journalism major and JOU 3201. Designing newspaper pages, including stories, headlines, and other content. <i>Fall, Spring.</i> | | | Advanced Japanese Conversation: PR: JPN 1121C or equivalent proficiency. Communication in conversational Japanese to enhance knowledge of the sound changes, speech functions and styles in verbal discourse. <i>Occasional.</i> | | |
| ITW 3100 | CAH-LANG | 3(3,0) | JOU 4224 | COS-COMM | 3(3,0) | JST 3005 | CAH-JUD | 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. <i>Occasional.</i> | | | Magazine Editing and Production: PR: Journalism major or Magazine Writing 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. <i>Occasional.</i> | | | Tenets of Judaism: PR: ENC 1101 and ENC 1102. Values, practices, and beliefs that define Judaism. <i>Occasional.</i> | | |
| ITW 3101 | CAH-LANG | 3(3,0) | JOU 4300 | COS-COMM | 3(3,0) | JST 3100 | CAH-JUD | 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. <i>Occasional.</i> | | | Feature Writing: PR: Journalism major or Magazine Writing minor, and a minimum grade of "C" (2.0) in JOU 2100C. Writing feature articles for newspapers and magazines. <i>Fall, Even Spring.</i> | | | The Hebrew Creative Mind: Survey of Hebrew Literature in Translation. A survey of the creative expressions of Hebrew civilization as found in the Hebrew Bible, Apocrypha and Pseudepigrapha, the Mishnah, and the Talmud, Medieval Hebrew Poetry and Prose. <i>Occasional.</i> | | |
| JOU 2100C | COS-COMM | 3(3,1) | JOU 4306C | COS-COMM | 3(1,2) | JST 3120 | CAH-JUD | 3(3,0) |
| News Reporting: PR: Com pending, or Journalism Major, or Magazine Journalism Minor and meet grammar proficiency requirement. Newsgathering and writing for the mass media. <i>Fall, Spring.</i> M&S fee: \$15.00 | | | Critical Writing: PR: Journalism major or Magazine Writing minor. Writing reviews of movies, plays, television programs, concerts, books, and other cultural works. <i>Occasional.</i> | | | Hebrew Scriptures: PR: ENC 1102, Junior standing. The Hebrew Bible (Old Testament, in translation) in historical, social, religious, cultural and literary contexts. <i>Occasional.</i> | | |
| JOU 3004 | COS-COMM | 3(3,0) | JOU 4308 | COS-COMM | 3(3,0) | JST 3121 | CAH-JUD | 3(3,0) |
| History of American Journalism: Development of mass media, leading innovators, and the medias role in the nation's history. <i>Fall, Spring.</i> | | | Freelance Writing: PR: Journalism major or Magazine Writing minor. A study of the techniques and procedures of freelance writing, including the preparation of several manuscripts. <i>Occasional.</i> | | | Classic Texts of Judaism: PR: ENC 1102. Scriptures, post-Biblical Rabbinic writings, Exegesis, Apocrypha, Qumran documents, Mishnah, Talmud, the Siddur, as well as Jewish mystical writings. <i>Occasional.</i> | | |
| JOU 3101 | COS-COMM | 3(3,0) | JOU 4340C | COS-COMM | 3(1,3) | JST 3125 | CAH-JUD | 3(3,0) |
| Advanced Reporting: PR: Journalism major or Magazine Writing 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. <i>Fall, Spring.</i> M&S fee: \$15.00 | | | 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. <i>Occasional.</i> M&S fee: \$15.00 | | | The Book of Job: PR: Jr standing, ENC 1102. A textual-thematic study of Book of Job in English translation, exploring the Book of Job as literature, theodicy and ethics. <i>Occasional.</i> | | |
| JOU 3130 | COS-COMM | 3(3,0) | JOU 4341C | COS-COMM | 3(1,3) | JST 3126 | CAH-JUD | 3(3,0) |
| In-Depth Reporting: PR: STA 1060C or MAC 1105, and JOU 2100C, or C.I. Writing with analysis, using detail, description, and demographics. <i>Occasional.</i> | | | On-line Journalism II: PR: JOU 4340C. Study, design, and development of on-line journalism materials. <i>Occasional.</i> M&S fee: \$15.00 | | | Romantic Love in the Bible: PR: ENC 1102, Junior standing. The dimensions of romantic love in the Hebrew Bible, focusing on the depiction of human feelings of love and relationship; the nature of man-woman interactions in ancient Israel. <i>Occasional.</i> | | |
| JOU 3184C | COS-COMM | 3(2,1) | JOU 4342C | COS-COMM | 3(2,1) | JST 3144 | CAH-JUD | 3(3,0) |
| 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. <i>Occasional.</i> | | | Converged Journalism: PR: JOU 2100C and MMC 3200. Combining print and electronic technologies to transmit information to the public. Capstone course. <i>Occasional.</i> | | | Dead Sea Scrolls: PR: Junior standing or C.I. The Dead Sea Scrolls, their literary and historical context, and significance. <i>Occasional.</i> | | |
| JOU 3201 | COS-COMM | 3(3,0) | JOU 4700 | COS-COMM | 3(3,0) | JST 3190 | CAH-JUD | 3(3,0) |
| Editing I: PR: Journalism major or Magazine Journalism minor and meet grammar proficiency requirement. Editing copy, writing headlines, managing newsroom operations. <i>Fall, Spring.</i> M&S fee: \$15.00 | | | Journalism Ethics: PR: MMC 3200. Ethical problems, codes, and practices in newsrooms. <i>Occasional.</i> | | | The Biblical Prophets: PR: ENC 1102. Writings of the biblical prophets, Isaiah, Jeremiah and Ezekiel against the backdrop of their times. <i>Occasional.</i> | | |
| JOU 3202 | COS-COMM | 3(3,0) | JPN 1120C | CAH-LANG | 4(3,1) | JST 3210 | CAH-JUD | 3(3,0) |
| Editing II: PR: Journalism major or Magazine Writing 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. <i>Fall, Spring.</i> M&S fee: \$15.00 | | | 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. <i>Fall.</i> | | | 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. <i>Occasional.</i> | | |
| JOU 3313C | COS-COMM | 3(2,1) | JPN 1121C | CAH-LANG | 4(3,1) | JST 3312 | CAH-JUD | 3(3,0) |
| 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. <i>Occasional.</i> | | | Elementary Japanese Language and Civilization II: PR: JPN 1120C or equivalent. Continuation of JPN 1120C. <i>Spring.</i> | | | 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. <i>Occasional.</i> | | |
| JOU 3510 | COS-COMM | 3(3,0) | JPN 2200 | CAH-LANG | 3(3,1) | JST 3312H | CAH-JUD | 3(3,0) |
| Magazine Publishing: PR: Journalism major or Magazine Writing minor, and a minimum grade of "C" (2.0) in JOU 2100C. The magazine industry, emphasizing business operations and current topics. <i>Spring.</i> | | | Intermediate Japanese Language and Civilization I: PR: JPN 1121C or equivalent. This course aims to aid in acquiring and refining the acquisition of the four skills in modern Japanese: speaking, listening, reading, and writing. The emphasis is on accurate communication in Japanese. The culture of Japan will also be studied. <i>Fall.</i> | | | Honors Jewish Identity and Genre: PR: ENC 1102 and consent of Honors. Literary genres in Jewish and Hebrew literature of the 18th and 19th centuries as related to the intellectual quest for Jewish identity and modernism. With Honors content. <i>Occasional.</i> | | |
| JOU 4181 | COS-COMM | 3(3,0) | JPN 2201 | CAH-LANG | 3(3,1) | JST 3401 | CAH-JUD | 3(3,0) |
| Public Affairs Reporting: PR: Journalism major, and a minimum grade of "C" (2.0) in both JOU 2100C and JOU 3__C Metro Reporting. Reporting on city, county and state government. <i>Fall, Spring.</i> M&S fee: \$15.00 | | | Intermediate Japanese Language and Civilization II: PR: JPN 2200 or equivalent. Continuation of JPN 2200 with emphasis on Japanese civilization. <i>Spring.</i> | | | The Jewish People I: Introduction survey of the history and culture of the Jewish people from the beginnings of Judaism in the biblical era through the Graeco-Roman and rabbinic periods. <i>Fall.</i> | | |

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|---|---------|--------|--|---------|------------|---|----------|--------|
| JST 3402 | CAH-JUD | 3(3,0) | LAE 4360 | ED-TLP | 3(3,0) | LAH 3130 | CAH-HIST | 3(3,0) |
| The Jewish People II: The life and history of the Jews in the medieval and modern worlds. <i>Spring.</i> | | | English Instructional Analysis: PR: EDG 4410, EDF 4467, TSL 4080, and LAE 4464. Course objectives for a school curriculum and methods and materials which have special application for teaching English at the middle grades and high school. <i>Occasional.</i> | | | Latin American History I: PR: EUH 2000 and 2001 or C.I. The Colonial period. <i>Occasional.</i> | | |
| JST 3415 | CAH-JUD | 3(3,0) | LAE 4361 | ED-TLP | 3(3,0) | LAH 3200 | CAH-HIST | 3(3,0) |
| American Jewish History: PR: ENC 1102. Jewish presence in America and its influence on and contribution to American life and culture. <i>Occasional.</i> | | | Literacy Strategies for Middle and High School: PR: EDG 4323 or EVT 3365 or C.I. Theory, teaching strategies, and resources for effective middle and high school reading programs, to assist pre-service teachers to understand content reading. <i>Fall, Odd Spring.</i> | | | Latin American History II: PR: EUH 2000 and 2001 or C.I. The National period. <i>Occasional.</i> | | |
| JST 3450 | CAH-JUD | 3(3,0) | LAE 4464 | ED-TLP | 3(3,0) | LAH 3400 | CAH-HIST | 3(3,0) |
| Modern Jewish Experience: PR: ENC 1102 or C.I. Reading in literature depicting the modern Jewish experience in the past 150 years in the Jewish transition from ghetto and traditional life to modernity in Europe, America and pre-state Israel. <i>Occasional.</i> | | | Survey of Adolescent Literature: This course is designed to explore adolescent literature from both an educational and an historical perspective. <i>Fall.</i> | | | History of Mexico and Central America: PR: EUH 2000 and 2001 or C.I. A survey of Mexican and Central American history from Pre-Columbian times to the present. <i>Occasional.</i> | | |
| JST 3481 | CAH-JUD | 3(3,0) | LAE 5195 | ED-TLP | 3(3,0) | LAH 3470 | CAH-HIST | 3(3,0) |
| 20th Century Jewish History and Thought: PR: ENC 1102 or C.I. Study of philosophers such as Buber, Rosenzweig, Kaplan, Heschel, Borowitz, Solovechik, within the historical context of European immigration to the U.S. <i>Occasional.</i> | | | CFWP Teacher Consultant: PR: C.I. This course is designed for Fellows of the CFWP Summer Institute who will plan, practice, and present writing inservice components to public schools. <i>Occasional.</i> | | | History of the Caribbean: PR: EUH 2000 and 2001 or C.I. History of Cuba, Puerto Rico, Dominican Republic, and Haiti from Pre-Columbian times to the present. <i>Occasional.</i> | | |
| JST 3550 | CAH-JUD | 3(3,0) | LAE 5295 | ED-TLP | 1-3(1-3,0) | LAH 4136 | CAH-HIST | 3(3,0) |
| Introduction of Modernism into Judaism: The transition from traditional Judaism to modern Judaism in the 18th century, as epitomized by Moses Mendelssohn and writers of the Jewish Enlightenment (in translation). <i>Occasional.</i> | | | Writing Workshop I: PR: C.I. Students will engage in exploration and practice of effective writing strategies. May include teaching small groups of students. May be repeated for credit. <i>Fall, Spring.</i> | | | Colonial Florida: PR: AMH 2010 and AMH 2020 or C.I. History of Spanish Colonial Florida until 1821. <i>Odd Fall.</i> | | |
| JST 3620 | CAH-JUD | 3(3,0) | LAE 5319 | ED-TLP | 3(3,0) | LAH 4461 | CAH-HIST | 3(3,0) |
| Contemporary Jewish Ethics and Morality: PR: ENC 1102. Moral concerns using the resources of the classical Judaic tradition. <i>Occasional.</i> | | | Methods of Elementary School Language Arts: PR: EDG 4323. Principles, procedures, organization and current practices in reading, writing, listening, and talking. <i>Fall.</i> | | | History of Puerto Rico: PR: Any two of the following: AMH 2010, AMH 2020, WOH 2012, or WOH 2022. History of Puerto Rico from pre-Columbian era to present. <i>Occasional.</i> | | |
| JST 3701 | CAH-JUD | 3(3,0) | LAE 5337 | ED-TLP | 3(3,0) | LAH 4480 | CAH-HIST | 3(3,0) |
| History of the Holocaust: A comprehensive study of the Holocaust from 1933-1945, discussing the persecution of German Jews and the annihilation of the Jews in Europe. <i>Occasional.</i> | | | Literacy Strategies for Middle and Secondary Teaching: PR: EDG 6236 or C.I. Designed to assist teachers and graduate students in understanding the adolescent learner. This course will examine theory, strategies, research, resources and implementation options for effective middle and secondary literacy programs. <i>Occasional.</i> | | | History of Cuba: PR: Any two of the following: AMH 2010, AMH 2020, WOH 2012, or WOH 2022. History of Cuba from pre-Columbian era to present. <i>Occasional.</i> | | |
| JST 3751 | CAH-JUD | 3(3,0) | LAE 5338 | ED-TLP | 3(3,0) | LAH 4742 | CAH-HIST | 3(3,0) |
| Literature of the Holocaust: A study of the traumatic experience of the Holocaust in Europe as expressed and depicted in contemporary Jewish and Hebrew Literature. <i>Occasional.</i> | | | Teaching Writing in Middle and High School: PR: EDG 6236 or C.I. Techniques and methods in teaching dialects, semantics, and the various grammars within the context of writing. <i>Fall, Spring.</i> | | | The Mexican Revolution: PR: AMH 2020 or C.I. Political and social history of Mexico since 1910 and domination of one party rule over 70 years. <i>Occasional.</i> | | |
| JST 3810 | CAH-JUD | 3(3,0) | LAE 5346 | ED-TLP | 3(3,0) | LAH 5713 | CAH-HIST | 3(3,0) |
| The Jewish National Movement and Roots of Zionism: Roots of Zionism and Jewish nationalism and their relationship to modern anti-semitism, through analysis of European Jewish history and society. <i>Occasional.</i> | | | Methods of Teaching English Language Arts: PR: EDG 6236 or C.I. Designed for alternative certification and Masters of Arts students to explore the strands, methods and materials related to school curriculum in teaching English. <i>Fall, Spring.</i> | | | Colloquium in U.S.-Latin American Relations: PR: Graduate status or senior standing or C.I. The course will analyze U.S.-Latin American relations from an historical perspective. It will be presented through readings and discussion of selected materials. <i>Occasional.</i> | | |
| JST 3820 | CAH-JUD | 3(3,0) | LAE 5367 | CAH-ENG | 3(3,0) | LAS 4023 | CAH-AAS | 3(3,0) |
| Modern Hebrew Culture: The Development of the State of Israel: Political and ideological struggle for the establishment of the State of Israel, with emphasis on forces which shaped contemporary Israeli society and politics. <i>Occasional.</i> | | | English Composition and Literature for Teachers of Advanced Placement: PR: Graduate status or senior standing, and C.I. A two-week summer institute for secondary school teachers preparing to teach Advanced Placement courses. <i>Occasional.</i> | | | African Caribbean Experience: PR: Junior standing or C.I. Interdisciplinary study of the evolution of African Caribbean culture, its influence on institutions, social and political movements, and contemporary Caribbean society. <i>Occasional.</i> | | |
| LAE 3414 | ED-TLP | 3(3,0) | LAE 5415 | ED-TLP | 3(3,0) | LAT 1120C | CAH-LANG | 4(3,1) |
| Literature for Children: PR: Admission to Undergraduate Elementary Education Program or C.I. Criteria for analysis and evaluation of children's literature in terms of interests, needs, and abilities of children. <i>Fall, Spring.</i> | | | Children's Literature in Elementary Education: Survey of children's literature: criteria for selection according to literary elements and child development needs. Methods for presenting to children; integrating literature with elementary curricula. <i>Spring.</i> | | | Elementary Latin Language and Civilization I: Introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. <i>Fall.</i> | | |
| LAE 4314 | ED-TLP | 3(3,0) | LAE 5465 | ED-TLP | 3(3,0) | LAT 1120H | CAH-LANG | 4(4,1) |
| Language Arts in the Elementary School: PR: EDG 4323 or C.I. Content, principles, materials, and techniques involved in teaching, speaking, listening, writing, and spelling in the elementary school; organizing for instruction. <i>Fall, Spring.</i> | | | Literature for Adolescents: PR: Senior standing or C.I. Selecting and evaluating books for adolescents with emphasis on the use of literature in the development of young people. <i>Fall.</i> | | | Honors Elementary Latin Language and Civilization I: PR: Permission of Honors. Introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language, with honors-level content. <i>Occasional.</i> | | |
| LAE 4342 | ED-TLP | 3(3,0) | LAE 5495 | ED-TLP | 3(3,0) | LAT 1121 | CAH-LANG | 4(4,1) |
| Teaching Language and Composition: PR: EDG 4323; CR: LAE 4360 and ESE 3940. Techniques and methods in teaching grammar, usage, dialect, and composition; includes meeting the needs of the new English language learner. <i>Fall, Spring.</i> | | | Assessing Writing: PR: C.I. Students will explore a variety of strategies for assessing students' writing including holistic scoring, primary trait scoring, and portfolio assessment. <i>Spring.</i> | | | Elementary Latin Language and Civilization II: PR: LAT 1120C or equivalent. Continuation of LAT 1120C. <i>Spring.</i> | | |
| | | | | | | LAT 1121H | CAH-LANG | 4(4,1) |
| | | | | | | Honors Elementary Latin Language and Civilization II: PR: LAT 1120H or equivalent and permission of Honors. Continuation of LAT 1120H, with honors-level content. <i>Occasional.</i> | | |

UCF Courses and Descriptions

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| <p>LIN 3010 CAH-ENG 3(3,0) Principles of Linguistics: PR: Grade of C (2.0) or better required in ENC 1102. An overview of the modern linguist's approach to language. Analytic methods of phonology, morphology, syntax. Brief systematic survey of dialectology, language acquisition, and semantics. <i>Occasional.</i></p> | <p>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. <i>Occasional.</i></p> | <p>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, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. <i>Occasional.</i></p> |
| <p>LIN 3703 COS-PSYCH 3(3,0) Psychology of Oral Communication: Psychological principles involved in the communicative process, with application to individuals and groups. <i>Occasional.</i></p> | <p>LIN 5675 CAH-ENG 3(3,0) English Grammar and Usage: PR: Graduate status or senior standing or C.I. An overview of modern grammar, including structural, transformational and rhetorical grammar, along with an examination of controversial usage. <i>Occasional.</i></p> | <p>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, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Honors content. <i>Occasional.</i></p> |
| <p>LIN 3716 HPA-COM SC&DIS 3(3,0) Language Development: Birth Through 8 Years.: PR: DEP 2004. Study of the language acquisition process in children from birth through eight years and how meaning is conveyed through sounds, words, and sentences. <i>Fall, Spring.</i></p> | <p>LIT 2000 CAH-ENG 3(3,0) Introduction to Literary Interpretation: PR: ENC 1102. Interpretation of fiction, drama, verse: conflict, characterization, point of view, rhetorical and poetic devices, figurative language, verse forms; application of critical approaches to selected works. <i>Occasional.</i></p> | <p>LIT 3394 CAH-ENG 3(3,0) Literature of AIDS: PR: ENC 1102. To familiarize students with the new genre of literature that has arisen related to AIDS. Essays, short stories, plays, poetry, diaries, and novels will be covered. <i>Occasional.</i></p> |
| <p>LIN 3717 HPA-COM SC&DIS 3(3,0) Language Development: 9 - 18 Years: PR: LIN 3716. Study of the language acquisition process in children from nine through eighteen years and how meaning is conveyed through sounds, words, and sentences. <i>Fall, Spring.</i></p> | <p>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. <i>Fall, Spring.</i></p> | <p>LIT 3394H CAH-ENG 3(3,0) Honors Literature of AIDS: PR: Permission of Honors and ENC 1102H or equivalent credit. Literature related to AIDS: Essays, short stories, plays, poetry, diaries, and novels. Honors content. <i>Occasional.</i></p> |
| <p>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. <i>Fall, Spring.</i></p> | <p>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. <i>Fall, Spring.</i></p> | <p>LIT 3482 CAH-ENG 3(3,0) Literature & Popular Culture: PR: ENC 1102. Analysis of media to determine popular values in the formation of popular cultural perceptions. <i>Occasional.</i></p> |
| <p>LIN 4615 CAH-ENG 3(3,0) African-American Styles of Communication: PR: Grade of C (2.0) or better required in ENC 1102 and junior standing or C.I. African-American norms contrasted to Anglo-American norms with attention given to speech acts, kinesics, proxemics, paralinguistics, and gender roles. <i>Occasional.</i></p> | <p>LIT 2120H CAH-ENG 3(3,0) World Literature II — Honors: PR: Permission of Honors. Same as LIT 2120, with honors-level content. <i>Occasional.</i></p> | <p>LIT 3823 CAH-ENG 3(3,0) Hispanic Women Writers: PR: ENC 1102. Hispanic women writers in a variety of genres. May be repeated for credit. <i>Occasional.</i></p> |
| <p>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. <i>Occasional.</i></p> | <p>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. <i>Occasional.</i></p> | <p>LIT 3905 CAH-ENG 3(3,0) Directed experience in Literature: PR: ENC 1102, C.I. Individualized topics of study and/or research in literature with personalized faculty direction. May be repeated for credit. <i>Occasional.</i></p> |
| <p>LIN 4643H CAH-ENG 3(3,0) Honors Cross-Cultural Communication: PR: ENC 1102H and permission of Honors. Styles of spoken, written, and nonverbal communication of selected cultural groups with honors level content. <i>Occasional.</i></p> | <p>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. <i>Occasional.</i></p> | <p>LIT 3911H CAH-ENG 1(1,0) Research Methods — Honors: PR: Permission of Honors. Introduction to scholarship and practical research in literature and writing. <i>Occasional.</i></p> |
| <p>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. <i>Occasional.</i></p> | <p>LIT 3192H CAH-ENG 3(3,0) Honors Caribbean Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. How Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; taught in English. Honors content. <i>Occasional.</i></p> | <p>LIT 4043 CAH-ENG 3(3,0) Modern Drama As Literature: PR: Grade of C (2.0) or better required in ENG 3014. A study of important plays, playwrights, themes, movements, and styles in modern American, British, and European drama. <i>Occasional.</i></p> |
| <p>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. <i>Spring.</i></p> | <p>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. <i>Occasional.</i></p> | <p>LIT 4184 CAH-ENG 3(3,0) Irish Literature: PR: Grade of C (2.0) or better required in ENG 3014. Study of literature written in Ireland, within the context of Irish history, politics, culture and colonial experience. <i>Occasional.</i></p> |
| <p>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. <i>Fall, Spring.</i></p> | <p>LIT 3313 CAH-ENG 3(3,0) Science Fiction: PR: ENC 1102. An investigation of science fiction as a literary form, together with selected readings. <i>Occasional.</i></p> | <p>LIT 4244 CAH-ENG 3(3,0) World Authors: PR: ENG 3014. Study of the works of a single non-British and non-U.S. author who composes in English. May be used in the degree program a maximum of 2 times only when course content is different. <i>Occasional.</i></p> |
| <p>LIN 4711L HPA-COM SC&DIS 1(0,1) Language Analysis Lab: PR: LIN 3716 and LIN 3717. CR: LIN 4711. Introduction to procedures for sampling, analyzing and describing language samples across the lifespan. Graded S/U. <i>Fall, Spring.</i></p> | <p>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. <i>Occasional.</i></p> | <p>LIT 4303 CAH-ENG 3(3,0) Post-World War II Fiction: PR: Grade of C (2.0) or better required in ENG 3014. An investigation of various modes of reality in the works of significant postmodernist world authors, crossing cultural boundaries. <i>Occasional.</i></p> |
| <p>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. <i>Occasional.</i></p> | <p>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. <i>Occasional.</i></p> | <p>LIT 4374 CAH-ENG 3(3,0) Literature of the Bible: PR: Grade of C (2.0) or better required in ENG 3014. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. <i>Occasional.</i></p> |

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| LIT 4374H | CAH-ENG | 3(3,0) | MAC 1105 | COS-MATH | 3(3,0) | MAC 2311H | COS-MATH | 4(4,0) |
| Honors Literature of the Bible: PR: Permission of Honors and ENC 1102H or equivalent credit. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Honors content. <i>Occasional.</i> | | | College Algebra: PR: Intermediate algebra or 2 years of high school algebra or C.I. Inequalities. High degree polynomials. Graphs, rational, logarithmic, and exponential functions. Systems of equations, matrices, determinants, induction. This course prepares students for higher-level mathematics courses. The "NC" grading policy applies to this course. <i>Fall, Spring.</i> | | | Honors Calculus with Analytic Geometry I: PR: MAC 1140 (or MAC 1105 if taken prior to summer 2008) and MAC 1114 (or equivalent) and consent of Honors. Differential and integral calculus, emphasizing understanding basic concepts and their applications. Students will complete projects on their own. The "NC" grading policy applies to this course. With Honors content. <i>Fall.</i> | | |
| LIT 4433 | CAH-ENG | 3(3,0) | MAC 1105H | COS-MATH | 3(3,0) | MAC 2312 | COS-MATH | 4(4,0) |
| Literature of Science and Technology: PR: ENC 1102 and Junior Standing or C.I. Major works of non-fiction that address and describe the history, philosophy, politics, and new ideas in science and technology. <i>Fall.</i> | | | Honors College Algebra: PR: Appropriate score on placement test and permission of Honors. Analysis of functions (including polynomial, rational, exponential, logarithmic), analysis of conic sections, analysis of systems of linear equations, sequences and series, mathematical induction, and the binomial theorem. The "NC" grading policy applies to this course. <i>Occasional.</i> | | | Calculus with Analytic Geometry II: PR: MAC 2311 or C.I. Continuation of MAC 2311. <i>Fall, Spring.</i> | | |
| LIT 4554 | CAH-ENG | 3(3,0) | MAC 1114 | COS-MATH | 3(3,0) | MAC 2312H | COS-MATH | 4(4,0) |
| Advanced Feminist Theories: PR: Grade of C (2.0) or better required in ENC 1102, WST 3015 or ENG 3014. An advanced exploration of feminist critical theories and practices. <i>Occasional.</i> | | | College Trigonometry: PR: MAC 1105 or 2 years of high school algebra or C.I. The circle arc length, circular functions, identities, inverse functions, applications to simple harmonic motion, function of angles, complete development of triangle solving. The "NC" grading policy applies to this course. <i>Fall, Spring.</i> | | | Calculus with Analytic Geometry II (Honors): PR: Permission of Honors. Continuation of MAC 2311H. <i>Occasional.</i> | | |
| LIT 4937H | CAH-ENG | 3(3,0) | MAC 1140 | COS-MATH | 3(3,0) | MAC 2313 | COS-MATH | 4(4,0) |
| English Honors Seminar: PR: ENG 3014 and permission of Honors. In-depth study of language and/or literature with an emphasis on creative and critical abilities. <i>Occasional.</i> | | | Pre-Calculus Algebra: PR: Math placement test, or 2 years of high school algebra, or C.I. Properties and graphs of polynomials, rational, exponential and logarithmic functions, matrices, sequences and series, induction, binomial theorem. Prepares students for upper level mathematics. The "NC" grading policy applies to this course. <i>Fall, Spring.</i> | | | Calculus with Analytic Geometry III: PR: MAC 2312 or C.I. Continuation of MAC 2312. <i>Fall, Spring.</i> | | |
| LIT 5028 | CAH-ENG | 3(3,0) | MAC 2147 | COS-MATH | 5(5,0) | MAC 2313H | COS-MATH | 4(4,0) |
| Form and Theory of Short Story: PR: Graduate status or senior standing or C.I. Evolving forms and theories of short fiction and the implications of form and theory. <i>Occasional.</i> | | | Mathematics for Calculus: PR: Solid background in algebra or trigonometry, or C.I. For students with good mathematical backgrounds who do not want to go directly into calculus. Topics include matrices, determinants, permutations, combinations, sequences, series, induction, trigonometric functions. The "NC" grading policy applies to this course. <i>Even Fall, Spring.</i> | | | Calculus with Analytic Geometry III (Honors): PR: Permission of Honors. Continuation of MAC 2312H. <i>Occasional.</i> | | |
| LIT 5269 | CAH-ENG | 3(3,0) | MAC 2233 | COS-MATH | 3(3,0) | MAC 3103H | COS-MATH | 3(3,0) |
| Nineteenth-Century Essays: PR: Graduate status or senior standing or C.I. English non-fiction prose of the 19th century. <i>Occasional.</i> | | | Concepts of Calculus: PR: MAC 1105 or C.I. The differential and integral calculus of rational, exponential and logarithmic functions, with applications to business analysis. Not open to students with credit in MAC 2253 or MAC 2311. The "NC" grading policy applies to this course. <i>Fall, Spring.</i> | | | 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. <i>Occasional.</i> | | |
| LIT 5309 | CAH-ENG | 3(3,0) | MAC 2241 | COS-MATH | 4(4,0) | MAD 2104 | COS-MATH | 3(3,0) |
| Popular Culture and Media: PR: Graduate status or senior standing or C.I. Study of contemporary media and the literature of popular culture. <i>Occasional.</i> | | | Calculus for Life Sciences: PR: MAC 1105. Discrete dynamical systems, derivatives and dynamics, applications of derivatives, integrals and their applications. For biologists and others required to have one semester of calculus. The "NC" grading policy applies to this course. <i>Occasional.</i> | | | 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. <i>Fall, Spring.</i> | | |
| LIT 5366 | CAH-ENG | 3(3,0) | MAC 2253 | COS-MATH | 3(3,0) | MAD 4203 | COS-MATH | 3(3,0) |
| The Romantic Revolt (19th Century Literature): PR: Graduate status or senior standing or C.I. The romantic revolt in poetry and prose; English, American and Continental literature from 1798 to 1832. <i>Occasional.</i> | | | Applied Calculus I: PR: MAC 1105 and MAC 1114 or C.I. Differential and integral calculus. An introduction to differential equations and Laplace Transforms. Applications to engineering technology. Not open to students with credit in MAC 2233 or MAC 2311. The "NC" grading policy applies to this course. <i>Fall, Spring.</i> | | | Applied Combinatorics: PR: MAC 2312, and either MHF 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. <i>Fall.</i> | | |
| LIT 5387 | CAH-ENG | 3(3,0) | MAC 2254 | COS-MATH | 3(3,0) | MAD 4301 | COS-MATH | 3(3,0) |
| Captives, Housewives, and Coquettes: PR: Graduate status or senior standing or C.I. Course considers early American women's literature from 17th to 19th centuries. <i>Occasional.</i> | | | Applied Calculus II: PR: MAC 2253 or C.I. Continuation of MAC 2253. <i>Fall, Spring.</i> | | | Graph Theory: PR: MAC 2313 and MHF 3302, or C.I. Graph theory; isomorphism, connectivity; traversability, matchings, factorizations; planarity, colorings, and Ramsey number. <i>Spring.</i> | | |
| LIT 5389 | CAH-ENG | 3(3,0) | MAC 2311 | COS-MATH | 4(4,0) | MAD 5205 | COS-MATH | 3(3,0) |
| Studies in Gender & Fiction Writing: PR: Graduate status or senior standing or C.I. Graduate study of gender's implications for teaching and practice of fiction writing. <i>Occasional.</i> | | | Calculus with Analytic Geometry I: PR: MAC 1140 (or MAC 1105 if taken prior to Summer 2008) and MAC 1114 (or equivalent) or C.I. Differential and integral calculus of algebraic and elementary transcendental functions with geometric and physical applications. Topics from analytic geometry include coordinate systems, vectors, lines, conic sections, transformations of coordinates, and polar coordinates. The "NC" grading policy applies to this course. <i>Fall, Spring.</i> | | | 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. <i>Odd Spring.</i> | | |
| LIT 5556 | CAH-ENG | 3(3,0) | MAC 2311H | COS-MATH | 4(4,0) | MAE 2801 | ED-TLP | 4(3,1) |
| Advanced Feminist Theories: PR: Graduate status or senior standing or C.I. Graduate level Feminist Theories from "French Feminism" to "Critical Race Theories.". <i>Occasional.</i> | | | Calculus with Analytic Geometry II (Honors): PR: MAC 2311H (or equivalent) and consent of Honors. Differential and integral calculus, emphasizing understanding basic concepts and their applications. Students will complete projects on their own. The "NC" grading policy applies to this course. With Honors content. <i>Fall.</i> | | | Elementary School Mathematics: PR: MAC 1105 or MGF 1106. Mathematics appropriate for the elementary school including the six basic sets of numbers, concepts, learning sequences, algorithms, problem-solving techniques, error patterns, number systems, and geometry. <i>Fall, Spring.</i> | | |
| MAA 4226 | COS-MATH | 4(4,0) | MAC 2312 | COS-MATH | 4(4,0) | MAE 4300 | ED-CFCS | 3(3,0) |
| Advanced Calculus I: PR: MHF 3302, MAC 2313 and MAS 3106, or C.I. Limits, sequences, and continuity, differentiation and integration. Derivations of integrals. Infinite series and convergence. The BalzanoWeierstrass Theorem and the Heine-Borel Theorem. Extensions in Euclidian n-space. <i>Fall.</i> | | | Calculus with Analytic Geometry III: PR: MAC 2312 or C.I. Continuation of MAC 2312. <i>Fall, Spring.</i> | | | Math Curriculum and 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. <i>Fall.</i> | | |
| MAA 4227 | COS-MATH | 3(3,0) | MAC 3103H | COS-MATH | 3(3,0) | MAE 4326 | ED-TLP | 3(3,0) |
| Advanced Calculus II: PR: MAA 4226 or C.I. Continuation of MAA 4226. <i>Spring.</i> | | | 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. <i>Occasional.</i> | | | How Children Learn Mathematics: PR: MAE 2801 or C.I., and admission to Phase II. Instructional strategies, learning activities, the use of manipulatives, lesson planning, evaluation of mathematical learning, and diagnostic techniques. <i>Fall, Spring.</i> | | |
| MAA 5210 | COS-MATH | 4(4,0) | MAD 2104 | COS-MATH | 3(3,0) | | | |
| Topics in Advanced Calculus: PR: MAA 4226 or equivalent, graduate status or senior standing, or C.I. Topics in multivariable calculus, including limits, continuity, integration, differentiation, Taylor's theorem, inverse and implicit function theorems. <i>Fall.</i> | | | 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. <i>Fall, Spring.</i> | | | | | |

UCF Courses and Descriptions

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|---|----------|--------|--|--------|--------|---|----------|------------|
| MAE 4360 | ED-TLP | 4(3,2) | MAN 4029 | BA-MAN | 3(3,0) | MAN 4720 | BA-MAN | 4(4,0) |
| Mathematics Instructional Analysis: PR: EDG 4323. Study of course objectives for the middle grades and high school curriculum and survey of methods and materials which have special application for teaching mathematics. <i>Fall</i> . | | | Service Organization Management: PR: Management major, MAN 3025 and ISM 3530. Study of the special characteristics, problems, and methods for managing service-oriented organizations. <i>Occasional</i> . | | | Strategic Management: PR: MAN 3025, MAR 3023, FIN 3403 and GEB 3031. Students assume a strategic view of organizations and integrate and apply material learned in their business courses to modern organizational problems and opportunities. <i>Fall, Spring</i> . | | |
| MAE 4634 | ED-TLP | 3(2,1) | MAN 4101 | BA-MAN | 3(3,0) | MAN 4720H | BA-MAN | 4(4,0) |
| Programs in Teaching of Mathematics: PR: C.I. A consideration of special programs, strategies, and materials. Emphasis on individual needs of students. <i>Spring</i> . | | | 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. <i>Fall, Spring</i> . | | | Honors Strategic Management: PR: Permission of Honors and Graduating semester. Capstone course integrates and applies management theories, and frameworks to tackle modern organizational planning problems, and opportunities. Honors content. <i>Occasional</i> . | | |
| MAE 5318 | ED-TLP | 3(3,0) | MAN 4240 | BA-MAN | 3(3,0) | MAN 4802 | BA-MAN | 3(3,0) |
| Current Methods in Elementary School Mathematics: PR: EDG 4323. Strategies of instruction of computation and concepts of number, geometry, and measurement; instructional materials. (Meets Elementary Education certification requirements.). <i>Fall, Spring</i> . | | | Organizations: Theory and Behavior: PR: Management major, MAN 3025. A course providing a micro/macro approach to the study of organizations by integrating organizational theory and organizational behavioral science concepts. <i>Fall, Spring</i> . | | | 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 financing and developing a new venture. <i>Fall, Spring</i> . | | |
| MAE 5327 | ED-TLP | 3(3,0) | MAN 4310 | BA-MAN | 3(3,0) | MAN 4804 | BA-MAN | 3(3,0) |
| Teaching Middle School Mathematics: PR: EDG 6236 or C.I. Students will develop skills in planning and delivering mathematics instruction in grades 5-9. The use of technology, cooperative learning, ESOL, and manipulatives is considered. <i>Occasional</i> . | | | Human Resource Management Issues: PR: Management major, Junior standing, MAN 3301. An application-oriented course to give students in the area experiences generally reserved for practitioners in the field of human resource management and labor relations. <i>Odd Spring</i> . | | | Small Business Consulting: PR: 3.0 GPA and Business major in graduation term or C.I. Students are assigned teams and work with a local small business. <i>Occasional</i> . | | |
| MAE 5336 | ED-TLP | 3(3,0) | MAN 4320 | BA-MAN | 3(3,0) | MAN 4941 | BA-MAN | 3(0,3) |
| 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. <i>Occasional</i> . | | | Human Resources Recruitment and Selection: PR: Management major, MAN 3301. A concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process in contemporary organizations. <i>Fall, Spring</i> . | | | 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. NOTE: MAN 4941 may not be counted for restricted elective credit in management. May be repeated for credit. <i>Occasional</i> . | | |
| MAE 5935 | COS-MATH | 3(3,0) | MAN 4330 | BA-MAN | 3(3,0) | MAN 5021 | BA-MAN | 1.5(1.5,0) |
| 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 other issues. <i>Even Fall</i> . | | | 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. <i>Fall, Odd Spring</i> . | | | Management Foundations: PR: Graduate standing or C.I. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. <i>Fall, Spring</i> . | | |
| MAN 2021 | BA-MAN | 3(3,0) | MAN 4350 | BA-MAN | 3(3,0) | MAN 5050 | BA-MAN | 2(2,0) |
| Management: PR: Junior standing. For non-business majors only. The interdisciplinary application of the managerial functions of planning, organizing, leading, and controlling. For Non-Business Major ONLY. <i>Occasional</i> . | | | 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. <i>Fall, Spring</i> . | | | Management Concepts: PR: Acceptance in MBA program. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. <i>Occasional</i> . | | |
| MAN 3025 | BA-MAN | 4(4,0) | MAN 4401 | BA-MAN | 3(3,0) | MAN 5867 | BA-MAN | 3(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. <i>Fall, Spring</i> . | | | 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. <i>Occasional</i> . | | | Small Business Institute: PR: C.I. Hands-on small business consulting course. Students are assigned teams and work with a local small business. <i>Even Fall, Even Spring</i> . | | |
| MAN 3025H | BA-MAN | 4(4,0) | MAN 4441 | BA-MAN | 3(3,0) | MAP 2302 | COS-MATH | 3(3,0) |
| 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. <i>Occasional</i> . | | | 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. <i>Occasional</i> . | | | Differential Equations: PR: MAC 2313 or C.I. Methods of solution for first order equations. Linear equations. Laplace transforms. Series solutions. Selected applications. <i>Fall, Spring</i> . | | |
| MAN 3301 | BA-MAN | 3(3,0) | MAN 4521 | BA-MAN | 3(3,0) | MAP 2302H | COS-MATH | 3(3,0) |
| Management of Human Resources: PR: Junior standing and approved major or minor; MAN 3025. Provides students with a complete, comprehensive review of essential human resource management concepts and techniques. Applicable to all students of management. <i>Fall, Spring</i> . | | | Production Planning and Control: PR: Management major, ISM 3530. In depth study on long-range, intermediate-range and short-range planning and control methods as applied to a manufacturing organization. <i>Occasional</i> . | | | Differential Equations (Honors): PR: Permission of Honors and MAC 2313 or C.I. 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. <i>Occasional</i> . | | |
| MAN 3302 | BA-MAN | 3(3,0) | MAN 4600 | BA-MAN | 3(3,0) | MAP 3401 | ECS-ENT | 3(3,0) |
| Essentials of Human Resource Management for Non-Business Majors: PR: MAN 3025. Provides non-business majors with a review of basic human resource management practices and policies and the organizational role of the HRM function. <i>Occasional</i> . | | | International Management: PR: Management major, GEB 4361. The course examines issues involved in multinational management of business firms, with special emphasis on comparative management. <i>Fall, Spring</i> . | | | Problem Analysis: PR: MAC 2311 or MAC 2253 or equivalent. Application of calculus techniques used in solving selected problems in Engineering Technology. <i>Fall, Spring</i> . | | |
| MAN 3354 | BA-MAN | 3(3,0) | MAN 4701 | BA-MAN | 3(3,0) | MAP 3937 | COS-MATH | 1(1,0) |
| 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. <i>Occasional</i> . | | | 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. <i>Fall, Spring</i> . | | | Techniques of Problem Solving: PR: MAC 2311 and CR:MAC 2312; or C.I. Methods for solving problems in a wide variety of mathematical fields, with emphasis on proper mathematical technique and writing of solutions. May be repeated for credit. <i>Fall</i> . | | |

MAP 4103 COS-MATH 3(3,0)
Mathematical Modeling I: PR: MAC 2311 and MAP 2302. An overview of model construction. Model fitting, optimization models, empirical construction and modeling dynamic behavior. *Spring.*

MAP 4113 COS-MATH 3(3,0)
Probability, Random Processes and Applications I: PR: MAC 2313. Elementary 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 2023. Linear and dynamic programming, project scheduling, integer programming, theory of queues and stochastic simulation. *Occasional.*

MAP 4307 COS-MATH 3(3,0)
Applications of Complex Variables (Advanced Engineering Math Series): PR: MAP 2302. Analytic functions and complex integration. Residue integration, Taylor and Laurent series, conformal mapping and the application of complex analysis to Potential Theory. *Spring.*

MAP 4363 COS-MATH 3(3,0)
Applied Boundary Value Problems I: PR: MAP 2302 or C.I. Systems of linear equations. Fourier series. The eigenvalue problem of Sturm-Liouville. The method of Green's functions. *Fall.*

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 4371 COS-MATH 3(3,0)
Numerical Methods for Differential Equations: PR: MAC 2313, MAS 3105 or C.I. Numerical theory and practices used in solving ordinary differential equations and PDE. Covers Euler's method, trapezoidal rule, multi-step methods, Runge-Kutta, error control, finite differences, implicit and explicit schemes, iterative methods, and stability. *Occasional.*

MAP 5106 COS-MATH 3(3,0)
Introduction to Quantitative Aspects of Modeling and Simulation: PR: MAC 2253, graduate 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 statistical and deterministic models. *Fall.*

MAP 5336 COS-MATH 3(3,0)
Ordinary Differential Equations and Applications: PR: MAP 2302, and graduate status or senior standing or C.I. Existence and uniqueness of solutions of differential equations, systems of ordinary differential equations, autonomous systems, phase plane analysis, stability, bifurcations. *Spring.*

MAP 5396 COS-MATH 3(3,0)
Splines and Data Fitting: PR: MAS 3106, MAS 3105, MAP 2302, and graduate status or senior standing or C.I. Univariate splines and their application to data fitting. Applications to regression analysis, differential and integral equations. Algorithms to use different types of splines in computation. *Occasional.*

MAP 5404 COS-MATH 3(3,0)
Mathematical Foundations for Industrial Engineering and Operations: PR: MAP 2302, ESI 5219 or equivalent, ESI 4312, and graduate status or senior standing or C.I. Methods of proof, set theory; basic elements of topology, real analysis, graph theory, and matrix analysis. *Occasional.*

MAP 5426 COS-MATH 3(3,0)
Special Functions: PR: MAP 2302, and graduate status or senior standing or C.I. Series and integral representations, generating functions, recurrence relations and orthogonality properties of the special functions. Emphasis on Bessel, Legendre and hypergeometric functions. *Occasional.*

MAP 5435 COS-MATH 3(3,0)
Advanced Mathematics for Engineers: PR: MAP 2302, and graduate status or senior standing or C.I. Linear Algebra and matrix methods, ordinary differential equations, Fourier series, partial differential equations, numerical methods for differential equations, and applications to engineering. *Occasional.*

MAP 5514 COS-MATH 3(3,0)
Linear and Nonlinear Waves I: PR: MAP 2302, MAP 4363, and graduate status or senior standing, or C.I. Equations of motion in inviscid and viscous fluids, energy equation and energy flux, linear theory of gravity and capillary-gravity waves, variational principles for water waves. *Occasional.*

MAP 5931 COS-MATH 1(1,0)
Research Seminar: PR: Graduate status or senior standing or C.I. Four instructors will introduce the students to a research area by presenting necessary background and presenting current investigations. Different branches of mathematics will be 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 3323 BA-MAR 3(3,0)
Integrated Marketing Communication: PR: MAR 3023 and common program prerequisites and appropriate Major or Minor. Planning and execution of advertising, sales promotion, and public relations programs consistent with integrated marketing communications programs. *Fall, Spring.*

MAR 3391 BA-MAR 3(3,0)
Professional Selling: PR: MAR 3023 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.*

MAR 3403 BA-MAR 3(3,0)
Sales Force Management: PR: MAR 3023 and common program prerequisites and appropriate Major or Minor. An overview of the sales management process. Emphasis on sales program formulation and implementation. *Fall, Spring.*

MAR 3503 BA-MAR 3(3,0)
Customer Behavior: PR: MAR 3023 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 and common program prerequisites and appropriate Major or Minor and one of the following: STA 3032 or ECO 3411. Analytical tools 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 and common program prerequisites and appropriate Major or Minor. Contemporary sources and applications of information concerning external forces impacting market decision making. *Fall, Spring.*

MAR 3721 BA-MAR 3(3,0)
E-Marketing: PR: MAR 3023 and common program prerequisites and appropriate Major or Minor. Course provides an in-depth study of the role of the internet in developing marketing strategies and plans. *Occasional.*

MAR 4156 BA-MAR 3(3,0)
International Marketing: PR: MAR 3023 and common program prerequisites and appropriate Major or Minor. Investigates strategy, policy and the variables in international marketing decisions. *Fall, Spring.*

MAR 4231 BA-MAR 3(3,0)
Retailing Management: PR: MAR 3023 and common program prerequisites and appropriate Major or Minor. Analysis of the field of retailing. Emphasis on planning for profit through management, inventory control, etc. *Occasional.*

MAR 4413C BA-MAR 3(2,3)
Strategic Issues in Sales-Lecture: PR: MAR 3023, MAR 4415, common program prerequisites, approved major or minor, and department consent. Advanced study of selected contemporary strategic issues in selling and sales management. *Spring.*

MAR 4415 BA-MAR 3(3,0)
Advanced Professional Selling: PR: MAR 3023 and common program prerequisites and appropriate Major or Minor and MAR 3391 and Department Consent. Advanced study of the professional selling process, including team selling, negotiating, customer conflict management, and CRM systems. *Fall.*

MAR 4711 BA-MAR 3(3,0)
Sport Marketing: PR: MAR 3023 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 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 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 4724 BA-MAR 3(3,0)
Strategic Foundations in Global E-Business: PR: MAR 3023 and common program prerequisites and appropriate Major or Minor. Course inspects the forces shaping managerial decision-making in a new rapidly changing electronic global marketplace. Emphasis on product-market entry strategies, standardization/adaptation, and organizing for efficient international marketing operations. *Occasional.*

UCF Courses and Descriptions

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| <p>MAR 4803 BA-MAR 3(3,0) Marketing Management: PR: MAR 3023 and common program prerequisites and Marketing Major or Minor and MAR 3503 and MAR 3613. Planning, organizing, implementing, monitoring and controlling marketing programs to effectively compete in dynamic and diverse business environments. <i>Fall, Spring.</i></p> | <p>MAS 5145 COS-MATH 3(3,0) Advanced Linear Algebra and Matrix Theory: PR: MAS 3105, and graduate status or senior standing or C.I. LU and LDU decompositions, linear spaces, inner product spaces, systems of linear equations, eigenvalues and canonical forms, variational principles and applications. <i>Occasional.</i></p> | <p>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. <i>Fall.</i></p> |
| <p>MAR 4804 BA-MAR 3(3,0) Marketing Strategy: PR: MAR 3023 and common program prerequisites and Marketing Major or Minor and MAR 4803. Marketing problems are explored, with emphasis on strategy formulation and integrative marketing decision-making. <i>Fall, Spring.</i></p> | <p>MAS 5311 COS-MATH 3(3,0) Abstract Algebra with Applications: PR: MAS 4301 or undergraduate abstract algebra, and graduate status or senior standing or C.I. Group actions, the class equation, Sylow Theorems, polynomial rings, Euclidian domains, principal ideal domains, field extensions, modules, and semi-simple rings. <i>Fall.</i></p> | <p>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. <i>Spring.</i></p> |
| <p>MAR 4841 BA-MAR 3(3,0) Services Marketing: PR: MAR 3023 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. <i>Fall, Spring.</i></p> | <p>MAT 5711 COS-MATH 3(3,0) Scientific Computing: PR: MAC 2313, MAP 2302, graduate status or senior standing, or C.I. Basic programming skills using Mathematica, Maple, Matlab, or Java in solving basic scientific computing problems; preparing students for advanced computational methods and algorithms. <i>Fall.</i></p> | <p>MCB 4276 COM-M&M 3(3,0) Epidemiology of Infectious Diseases: PR: MCB 3020C. Study of descriptive and analytic epidemiology and its application to the analysis of infectious diseases and in the community health status. <i>Spring.</i></p> |
| <p>MAR 4934 BA-MAR 3(3,0) Contemporary Marketing Topics in Florida: PR: MAR 3023 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. <i>Occasional.</i></p> | <p>MCB 1310 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 human health. <i>Fall, Spring.</i></p> | <p>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. <i>Fall.</i></p> |
| <p>MAR 4941 BA-MAR 3(3,0) Marketing Internship: PR: Marketing major, application approval, consent of department chair. Provides student with supervised, market-related work experience in a sponsoring organization. Application required. <i>Fall, Spring.</i></p> | <p>MCB 2004C COM-M&M 4(3,2) Microbiology for Health Professionals: PR: BSC 2010C, CHM 1032 or CHM 2045C. A survey of microbiology for the health professional. <i>Spring.</i> M&S fee: \$45.00</p> | <p>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. <i>Fall, Spring.</i></p> |
| <p>MAS 3105 COS-MATH 4(4,0) Matrix and Linear Algebra: PR: MAC 2312 or C.I. Matrices, determinants, vector spaces in R^n, linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Form, matrix functions, quadratic forms. <i>Fall, Spring.</i></p> | <p>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, metabolism, growth, genetics, virology environmental control, ecology, pathogenicity; and laboratory techniques. <i>Fall, Spring.</i> M&S fee: \$45.00</p> | <p>MCB 4503C COM-M&M 3(3,0) Virology: PR: PCB 3522. Concepts of structure and function of viruses, virus-host interactions and viral, and related disease states. <i>Occasional.</i></p> |
| <p>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). <i>Spring.</i></p> | <p>MCB 3020H COM-M&M 5(3,5) General Microbiology Honors: PR: BSC 2010C, CHM 2046 or CR: CHM 2210, and consent of Honors. Same as MCB 3020C with enrichment and further development of analytical skills in a separate laboratory and discussion section. With Honors content. <i>Fall.</i></p> | <p>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. <i>Fall.</i></p> |
| <p>MAS 3203 COS-MATH 3(3,0) Introduction to Number Theory: PR: MHF 3302 or C.I. The course will include the following topics: inductive reasoning, factorization, the division algorithm and congruences. <i>Spring.</i></p> | <p>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. <i>Spring.</i></p> | <p>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. <i>Occasional.</i> M&S fee: \$45.00</p> |
| <p>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. <i>Fall.</i></p> | <p>MCB 3203L COM-M&M 1(0,3) Pathogenic Microbiology: CR: MCB 3203. Laboratory investigation of pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. <i>Spring.</i> M&S fee: \$45.00</p> | <p>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. <i>Fall.</i></p> |
| <p>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. <i>Spring.</i></p> | <p>MCB 3404 COM-M&M 3(3,0) Bacterial Genetics and Physiology: PR: MCB 3020C. Basic principles of microbial genetic analysis and emphasizing how: microbial genetic approaches are used to understand fundamental; physiological processes in bacteria. <i>Spring.</i></p> | <p>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. <i>Spring.</i></p> |
| <p>MAS 4934 COS-MATH 3(3,0) Topics in Algebra and Discrete Mathematics: PR: MAS 3106, 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. <i>Occasional.</i></p> | <p>MCB 3522H COM-M&M 3(3,0) Biotechnology and Genetic Engineering Seminar: PR: Permission of Honors. Principles, applications, laws, ethics and impact on society of biotechnology and genetic engineering in agriculture, medicine, forestry, environment, computer/ industrial/ chemical engineering and business administration. <i>Occasional.</i></p> | <p>MCB 5225 COM-M&M 3(3,0) Molecular Biology of Disease: PR: Graduate standing or C.I. An in-depth study of the molecular biological mechanisms of diseases in experimental animal models and human populations. <i>Occasional.</i></p> |
| | <p>MCB 4114C COM-M&M 4(3,3) Determinative & Systemic Microbiology: PR: MCB 3020C, MCB 3203. Microbial classification taxonomic rules and nomenclature techniques for identification and interrelating the phyla and taxa of bacteria. <i>Occasional.</i> M&S fee: \$15.00</p> | <p>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. <i>Occasional.</i></p> |

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| <p>MCB 5654 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. <i>Occasional.</i></p> | <p>MLS 3705 COM-M&M 3(3,0) Concepts in Education/Management: PR: Admission to professional phase of the MLS Program or C.I. Introduction to laboratory management, health delivery systems, and educational practices in clinical settings. <i>Spring.</i></p> | <p>MLS 4832C COM-M&M 4(4,8) Interpretive & Practical Hematology: PR: Admission to the the MLS program, MLS 3305, MLS 4334. Advanced study of hematology and pathophysiological correlation to hematology disorders. Correlation of case studies and clinical practice in both student labs and clinical affiliates. <i>Fall.</i> M&S fee: \$15.00</p> |
| <p>MCB 5722C COM-M&M 4(2,4) Methods in Biotechnology: PR: Graduate standing. A laboratory course that will train graduate students in fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. <i>Occasional.</i></p> | <p>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. <i>Occasional.</i></p> | <p>MLS 4833C COM-M&M 4(4,8) Diagnostic Microbiology: PR: Admission to the MLS program, MLS 4460C. Practical application of modern bacterial procedures with clinical specimens to include mycology & virology and appropriate quality control. Clinical practice in both student lab and affiliate. <i>Fall.</i> M&S fee: \$15.00</p> |
| <p>MCB 5932 COM-M&M Variable Current Topics in Molecular Biology: PR: Graduate standing or C.I. Selected current research topics from the primary literature reflecting recent advances in molecular biology. May be repeated for credit. <i>Occasional.</i></p> | <p>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. <i>Occasional.</i> M&S fee: \$15.00</p> | <p>MLS 4834C COM-M&M 4(4,8) Advanced Instrumentation: PR: Admission to the MLS program, MLS 4833C. An examination review & practice of technologies impacting the clinical laboratory to include flow cytometry, PCR, LIS, robotics. Case studies will be a fundamental part of this course. <i>Occasional.</i></p> |
| <p>MGF 1106 COS-MATH 3(3,0) Finite Mathematics: PR: Intermediate algebra or 2 years of high school algebra or C.I. Introduction to logical structure, sets, probability, geometry, arrays, games. This course is intended for students who are not planning to take further courses in mathematics. <i>Fall, Spring.</i></p> | <p>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. <i>Even Fall.</i> M&S fee: \$15.00</p> | <p>MLS 4910 COM-M&M 1(1,0) Introduction to Clinical Research: PR: MLS 3220C, MLS 4625, MLS 4550. Introduces MLS students to different types of research within the clinical setting. <i>Spring.</i></p> |
| <p>MGF 1107 COS-MATH 3(3,0) Explorations in Mathematics: PR: Intermediate algebra or 2 years of high school algebra. The beauty and utility of mathematics, including patterns and symmetry, voting strategies, and finance. Connections between math and music, art, architecture, and nature. For students not intending to take higher mathematics. <i>Fall, Spring.</i></p> | <p>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 and viruses and their correlation to disease. <i>Spring.</i> M&S fee: \$45.00</p> | <p>MLS 4933 COM-M&M 2(2,0) Medical Technology Seminar: PR: MLS Senior status. Review of MLS coursework, case study discussions and preparation for certification. Graded S/U. <i>Spring.</i></p> |
| <p>MHF 3302 COS-MATH 3(3,0) Logic and Proof in Mathematics: PR: MAC 2311. CR: MAC 2312. Basic mathematical logic. Methods of proof in mathematics. Application of proofs to elementary mathematical structures. <i>Fall, Spring.</i></p> | <p>MLS 4505C COM-M&M 3(3,0) Immunodiagnosics: PR: PCB 3233. Theory and application of immunologic principles and their use in diagnosis of human disease. <i>Spring.</i> M&S fee: \$45.00</p> | <p>MMC 2004 COS-COMM 3(3,0) Mass Media: Introduction to the nation's mass media, including newspapers, radio, television, magazines, advertising, and public relations. <i>Fall, Spring.</i></p> |
| <p>MHF 4404 COS-MATH 3(3,0) History of Mathematics: PR: MAC 2312 or C.I. A chronological study of the evolution of mathematical thought from primitive counting through modern ideas of the 20th century. Recommended for prospective teachers in mathematics. <i>Fall.</i></p> | <p>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. <i>Spring.</i> M&S fee: \$45.00</p> | <p>MMC 3200 COS-COMM 3(3,0) Mass Communication Law: PR: AMH 2010 or AMH 2020 or POS 2041. Legal rights and responsibilities of the mass media. <i>Fall, Spring.</i></p> |
| <p>MHS 2330 ED-CFCS 3(3,0) Career Planning: Introduction to career and life planning theories and concepts that assists students in applying these to their own lives. <i>Odd Fall, Even Spring.</i></p> | <p>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. <i>Fall.</i></p> | <p>MMC 3420 COS-COMM 3(3,0) Mass Media Research Methods: PR: Communication major. Theory and methods of research used by media professionals and academics, focusing on radio / TV and advertising / public relations research. <i>Fall, Spring.</i></p> |
| <p>MHS 2441 ED-CFCS 3(3,0) Marriage and Intimate Relationships: Examination of the dynamics of intimate relationships, dating, courtship and challenges of establishing stable and satisfying marriage, impact of divorce, premarital preparation and marital education. <i>Occasional.</i></p> | <p>MLS 4625L COM-M&M 1(0,3) Advanced Clinical Chem I Lab: CR: MLS 4625. Laboratory procedures routinely performed in a clinical chemistry laboratory. <i>Fall.</i> M&S fee: \$45.00</p> | <p>MMC 4263 COS-COMM 3(3,0) New Media Technologies: PR: Majors only, RTV 3200. An examination of the technologies impacting the communications media environment and society. <i>Occasional.</i></p> |
| <p>MHS 5005 ED-CFCS 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. <i>Fall, Spring.</i></p> | <p>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. <i>Spring.</i></p> | <p>MMC 4300 COS-COMM 3(3,0) International Media: PR: Junior standing or C.I. The student will analyze different communication systems from around the world. There will be at least six case studies from any of these areas - Asia, Latin American, Western Europe, Middle East, Africa. <i>Occasional.</i></p> |
| <p>MLS 3220C COM-M&M 3(3,3) Techniques in Clinical Microscopy: PR: CHM 2210, PCB 3703C or C.I. Analysis of body fluids and urine by chemical and microscopic methods with interpretation and correlation to human disease. <i>Fall.</i> M&S fee: \$25.00</p> | <p>MLS 4630L COM-M&M 1(0,3) Advanced Clinical Chem II Lab: PR: CHM 2205 or C.I. CR: MLS 4630. Performance of laboratory procedures routinely used in a clinical chemistry laboratory. <i>Occasional.</i></p> | <p>MMC 4411 COS-COMM 3(3,0) Ad/Pr campaigns: PR: AD/PR majors only and ADV 3008, PUR 4000 and either PUR 3100 or ADV 4101. Planning and managing communication Campaigns that integrate both advertising and public relations strategies. <i>Even Fall, Odd Spring.</i></p> |
| <p>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. <i>Spring.</i></p> | <p>MLS 4830C COM-M&M 4(4,8) Interpretive & Practical Clinical Chemistry: PR: Admission to the MLS program, MLS 4625, MLS 4630. Clinical instruction and practice in the clinical chemistry laboratory. Case studies, chemist review, hands on practice both in the student lab and affiliate. <i>Fall.</i> M&S fee: \$15.00</p> | <p>MMC 4602 COS-COMM 3(3,0) Contemporary Media Issues: PR: A minimum grade of "C" (2.0) in JOU 2100C. Relationship between the mass media and society; examination of social and ethical issues and responsibilities of the media's relationship with government. <i>Even Spring.</i></p> |
| <p>MLS 3305L COM-M&M 1(0,6) Hematology Lab: PR: MLS 3305. Practical laboratory procedures routinely performed for analyzing hematologic abnormalities. <i>Spring.</i></p> | <p>MLS 4831C COM-M&M 4(4,8) Interpretive & Practical Immunohematology: PR: Admission to the MLS program, MLS 4550, MLS 4505C. Advanced study of principles of immunohematology. Application and performance of technique to solve problems in blood banking will be included. <i>Fall.</i> M&S fee: \$15.00</p> | <p>MSL 1001C ECS-AROTC 2(1,1) Foundations of Officership: Examines the unique duties and responsibilities of officers, organization and role of the Army, reviews skills pertaining to fitness and communication, and analyze Army values and expected behavior. May be repeated for credit. <i>Fall.</i></p> |

UCF Courses and Descriptions

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| MSL 1002C | ECS-AROTC | 2(1,1) | MUC 3311 | CAH-MUSIC | 3(2,2) | MUE 3210 | ED-TLP | 1(1,0) |
| Basic Leadership: Presents fundamental leadership concepts and doctrine; practice basic skills that underlie effective problem solving; examine the officer experience. <i>Spring.</i> | | | MIDI Sequencing I: PR: Keyboard ability and reading music or C.I. Utilization of synthesizers, drum machines, and computers with MIDI sequencing software to create music. <i>Fall, Spring.</i> M&S fee: \$15.83 | | | Music in the Elementary School: PR: EDF 2005; CR: ARE 4313, HLP 4722, RED 4519, MAE 4326, and EDE 3942. Fundamental procedures for teaching elementary school music, stressing appropriate music materials and activities for different age groups; selected experience in music. <i>Fall, Spring.</i> | | |
| MSL 2101C | ECS-AROTC | 2(1,1) | MUC 4106C | CAH-MUSIC | 4(1,1) | MUE 3333 | CAH-MUSIC | 3(3,0) |
| Individual Leadership Studies: Develops knowledge of self, self-confidence, and leadership skills; develop problem solving and critical thinking skills; apply communication, feedback, and conflict resolution skills. <i>Fall.</i> | | | Composition IV: PR: MUC 3105C and competence determined by faculty jury. Intensive advanced study of composition for composition majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Music Learning Theory and Assessment: PR: MUE 2040. Learning theory and practical applications of assessment techniques as applied in the music classroom. <i>Odd Spring.</i> | | |
| MSL 2102C | ECS-AROTC | 2(1,1) | MUC 4441 | CAH-MUSIC | 3(3,0) | MUE 3353 | CAH-MUSIC | 2(2,0) |
| Leadership and Teamwork: Focuses on self-development guided by knowledge of self and group processes; challenges current beliefs, knowledge and skills. <i>Spring.</i> | | | MIDI Sequencing II: PR: MUC 3311, Junior standing, and C.I. Continuation of sequencing, sampling, and inactive digital music technology. <i>Spring.</i> M&S fee: \$15.83 | | | General Music Literature and Techniques: PR: MUE 2040. Diverse literature and techniques for the general music classroom. <i>Odd Spring.</i> | | |
| MSL 3201C | ECS-AROTC | 4(3,1) | MUC 4950 | CAH-MUSIC | 0(0,0) | MUE 3451 | CAH-MUSIC | 1(1,0) |
| Leadership and Problem Solving: PR: Junior standing. Examines skills that underlie effective problem solving; analyzes military missions and plan military operations; and executes squad battle drills. <i>Fall.</i> | | | Composition Recital: CR: MUC 4106C. Culminating public concert of works written while studying Composition I-IV. Graded S/U. <i>Odd Fall.</i> | | | Woodwind Techniques II: PR: MUE 2450, MUED major, Junior standing or C.I. Continuation of Woodwind Techniques I, with emphasis on double reeds. <i>Occasional.</i> | | |
| MSL 3202C | ECS-AROTC | 4(3,1) | MUC 5112 | CAH-MUSIC | 2(1,0) | MUE 3461 | CAH-MUSIC | 1(1,1) |
| Leadership and Ethics: PR: MSL 3201C. Probes leadership responsibilities that foster an ethical command climate; develops cadet leadership competencies; applies principles and techniques of effective written and oral communication. <i>Spring.</i> | | | Composition V: PR: Graduate standing in music education or C.I. Advanced music composition at the graduate level. May be used in the degree program a maximum of 4 times. <i>Occasional.</i> | | | 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. <i>Odd Spring.</i> | | |
| MSL 4301C | ECS-AROTC | 4(3,1) | MUC 5445 | CAH-MUSIC | 3(3,0) | MUE 3490 | CAH-MUSIC | 1(1,0) |
| Leadership and Management: PR: MSL 3202C. Discuss staff organization, functions, and processes, analyze counseling responsibilities and methods, apply leadership and problem solving principles to a complex case study/simulation. <i>Fall.</i> | | | Electroacoustic Music Composition: PR: MUS 2360C and MUC 1101C, or C.I. Creation of electroacoustic music, including synthesis, sample editing, and performance practices. <i>Occasional.</i> | | | Aural Skills Techniques: PR: MUT 2127. Teaching techniques for teaching audiation, sight singing, harmony, beginning vocal harmonization and improvisation. <i>Odd Spring.</i> | | |
| MSL 4302C | ECS-AROTC | 4(3,1) | MUE 2040 | CAH-MUSIC | 2(2,0) | MUE 3693 | CAH-MUSIC | 2(2,0) |
| Officership: PR: MSL 4301C. Capstone course to explore topics relevant to second lieutenants entering the Army; describes legal aspects of decision making and leadership; and analyzes Army organization from tactical to strategic level. <i>Spring.</i> | | | Introduction to Music Education: PR: None. An introduction to music education covering philosophy, history, and current practice and trends. Observation in schools required. <i>Fall.</i> | | | Technology in Music Education: PR: MUE 2040 or C.I. Productivity software, classroom management tools, web design and other technological tools for classroom teaching. <i>Odd Spring.</i> | | |
| MTG 4212 | COS-MATH | 4(4,0) | MUE 2211 | ED-CFCS | 3(3,0) | MUE 4311 | ED-TLP | 2(2,0) |
| Modern Geometries: PR: MAC 2311 and MHF 3302. Sets of axioms and finite geometries, groups of transformations, Euclidean motions of 2-space and 3-space, convexity in 2-space and 3-space. Euclidean geometry of polygon and circle, constructible numbers, constructions and non-Euclidean geometry. <i>Fall.</i> | | | Early Childhood Music and Movement: An examination of the role of music and creative movement in the lives of young children. <i>Occasional.</i> | | | Elementary School Music Methods: PR: Junior standing, MUED major. Organization and administration of instruction for comprehensive music education, K-6; instructional planning, techniques, and materials for elementary music education. <i>Fall.</i> | | |
| MTG 4302 | COS-MATH | 3(3,0) | MUE 2346 | CAH-MUSIC | 1(0,2) | MUE 4330 | ED-TLP | 2(2,0) |
| Introduction to Topology: PR: MHF 3302 and MAS 3106 or C.I. Metric spaces, topological spaces, limit points, continuity, compactness, and connectedness. <i>Spring.</i> | | | Vocal Techniques: PR: Music major or C.I. Vocal function, anatomy, and pedagogical methodology with applications for K-12 teaching. <i>Odd Spring.</i> | | | Secondary School Music Methods: PR: MUE 4311 or C.I. Instructional planning, techniques and materials in middle school, junior high and senior high classrooms; consideration of general music education program, evaluation materials and procedures. <i>Spring.</i> | | |
| MTG 5256 | COS-MATH | 3(3,0) | MUE 2440 | CAH-MUSIC | 1(0,2) | MUE 4331 | CAH-MUSIC | 3(3,0) |
| Differential Geometry: PR: MAA 4227, graduate status or senior standing, or C.I. Differentiable manifolds, tangent space and tangent bundle, flows and vector fields, Lie derivatives, cotangent space and cotangent bundles, Riemann metrics, connections and geodesics, applications in classical mechanics. <i>Occasional.</i> | | | String Techniques: PR: MUED major, junior standing or C.I. Class instruction in string playing and pedagogical techniques. <i>Spring.</i> M&S fee: \$30.00 | | | Secondary Choral Methods I: PR: MUE 2040 or C.I. Examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. <i>Odd Spring.</i> | | |
| MUC 1101C | CAH-MUSIC | 2(1,1) | MUE 2450 | CAH-MUSIC | 1(1,0) | MUE 4332 | CAH-MUSIC | 3(3,0) |
| Composition I: PR: Open to qualified majors and non-music majors with C.I. Creative work in small forms. May be repeated for credit. <i>Fall, Spring.</i> | | | Woodwind Techniques I: PR: MUED major, Junior standing or C.I. Class instruction in woodwind playing and pedagogical techniques. <i>Fall.</i> | | | Secondary Instrumental Methods I: PR: MUE 2040. Wind, percussion, and string teaching methods for beginning and middle level students in a large classroom setting. <i>Odd Spring.</i> | | |
| MUC 2104C | CAH-MUSIC | 2(1,1) | MUE 2460 | CAH-MUSIC | 1(0,2) | MUE 4335 | CAH-MUSIC | 3(3,0) |
| Composition II: PR: MUC 1101C and Music or composition major. Continuation of Composition I. Competence determined by faculty jury. May be repeated for credit. <i>Fall, Spring.</i> | | | Brass Techniques: PR: MUED major, junior standing or C.I. Class instruction in brass playing and pedagogical techniques. May be repeated for credit. <i>Fall.</i> | | | Secondary Choral Methods II: PR: MUE 4331. Continued examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. <i>Odd Spring.</i> | | |
| MUC 3105C | CAH-MUSIC | 3(1,1) | MUE 2470 | CAH-MUSIC | 1(0,2) | MUE 4337 | CAH-MUSIC | 3(3,0) |
| Composition III: PR: MUC 2104C and competence determined by faculty jury. Continued study of composition, with additional intensive work expected for composition majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Percussion Techniques: PR: MUED major, junior standing or C.I. Class instruction in percussion playing and pedagogical techniques. May be repeated for credit. <i>Spring.</i> M&S fee: \$35.00 | | | Secondary Instrumental Methods II: PR: MUE 4332. Wind and percussion teaching methods for high school students in a large classroom setting. <i>Odd Spring.</i> | | |
| | | | MUE 2471 | CAH-MUSIC | 1(1,1) | | | |
| | | | Percussion Techniques II: PR: MUE 2470 or C.I. Additional performing and teaching techniques of the percussion family, as relevant to today's instrumental music teachers. <i>Odd Spring.</i> | | | | | |

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| MUE 4350 | ED-TLP | 2-3(2-3,0) | MUH 2017H | CAH-MUSIC | 3(3,0) | MUH 5375 | CAH-MUSIC | 3(3,0) |
| General Music Pre-K through Grade 8: PR: Consent of instructor. Designed for music educators. Exploration of music materials and teaching strategies for enhancing students' learning through music. Experience with recorder, movement, choral, conducting, and curriculum infusion included. Implementation project available. May be repeated for credit. Graded S/U. <i>Occasional.</i> | | | Honors Survey of Rock Music: PR: Consent of Honors. Rock music, 1950s to present, with emphasis on cultural and musical meaning. With Honors content. <i>Even Fall.</i> | | | Music since 1900: PR: Graduate standing in music education or C.I. Music and culture of Western and American Music from c. 1900 to the present. <i>Occasional.</i> | | |
| MUE 4354 | ED-TLP | 3(3,0) | MUH 2019 | CAH-MUSIC | 3(3,0) | MUH 5816 | CAH-MUSIC | 3(3,0) |
| General Music: ORFF Level I: PR: Junior Standing or C.I. ORFF SCHULWERK methods of music education for pre-K - grade 8. Development of personal and pedagogical skills in singing, moving, playing Orff instruments, recorder and compositions. <i>Occasional.</i> | | | American Popular Music, 1840s-present: Musical and cultural development of popular music in the United States from the 1840s to the present. <i>Fall, Spring.</i> | | | Jazz Styles and Analysis: PR: Graduate standing or C.I. Advanced study of historical style periods and master artists in jazz music. <i>Odd Fall.</i> | | |
| MUE 4393 | CAH-MUSIC | 2(2,0) | MUH 2071C | CAH-MUSIC | 1(0,1) | MUL 2010 | CAH-MUSIC | 3(2,1) |
| Music and Students with Special Needs: PR: MUE 2040 or C.I. Consideration of the general education music curriculum in regards to students with disabilities and special needs. <i>Odd Fall.</i> | | | World Music Survey and Performance Laboratory: PR: MUT 1122 or C.I. An introduction to different musical cultures including West African, Caribbean, South American, and Asian. <i>Occasional.</i> | | | Enjoyment of Music: PR: Non-music majors only. Designed to develop an understanding of musical principles and techniques for listening to music. <i>Fall, Spring.</i> | | |
| MUE 4394 | CAH-MUSIC | 1(1,0) | MUH 3211 | CAH-MUSIC | 3(3,0) | MUL 2014 | CAH-MUSIC | 3(3,0) |
| Seminar in Music Teaching: PR: Internship I; CR: ESE 4943. Content and strategies for classroom management and exceptional education for music teachers. <i>Odd Spring.</i> | | | Music History and Literature I: PR: MUT 1122. History of Western European art music from Antiquity to 1750. <i>Fall.</i> | | | Introduction to Music History and Literature: PR: Music major or C.I. Musical repertoires and cultures from the Western art music tradition, American jazz, and non-western music. <i>Odd Spring.</i> | | |
| MUE 4441 | CAH-MUSIC | 3(3,0) | MUH 3212 | CAH-MUSIC | 3(3,0) | MUL 2016 | CAH-MUSIC | 3(3,0) |
| String Methods: PR: MUE 4332. String teaching methods for high school students in a large classroom setting. <i>Odd Spring.</i> | | | Music History and Literature II: PR: MUT 1122. History of Western European and American art music from 1750 to present day. <i>Spring.</i> | | | Evolution of Jazz: Survey of jazz literature and performance. <i>Fall, Spring.</i> | | |
| MUE 4480C | CAH-MUSIC | 1(1,1) | MUH 4218 | CAH-MUSIC | 1(1,0) | MUL 2720 | CAH-MUSIC | 3(3,0) |
| Marching Band Techniques: PR: MUT 1122 and CI. Principles of organizing and training marching bands: Planning, charting football shows, rehearsal problems. Guided observations. May be repeated for credit. <i>Fall.</i> | | | Review of Music History: PR: C.I. A review of music history from Ancient Greece to the present. <i>Occasional.</i> | | | Music of the World: Music in cross-cultural context. Relation of music to religion and society. <i>Fall, Spring.</i> | | |
| MUE 4481 | CAH-MUSIC | 1(1,0) | MUH 4322 | CAH-MUSIC | 3(3,0) | MUL 3381 | CAH-MUSIC | 3(3,0) |
| Jazz Pedagogy: PR: Music major, MUT 1122 and C.I. Methods, materials, and resources for teaching jazz ensembles and improvisation at the secondary school level. <i>Occasional.</i> | | | Medieval and Renaissance Music: PR: MUH 3211 and MUH 3212 or C.I. Music and culture of Western Europe in the era c. 450-1600. <i>Even Fall.</i> | | | Contemporary Popular Music: PR: MUL 2010 or MUT 1122 or C.I. History and analysis of selected genres in recent popular music. Music reading not required. <i>Spring.</i> | | |
| MUE 5348C | ED-TLP | 4(4,0) | MUH 4341 | CAH-MUSIC | 3(3,0) | MUL 3400 | CAH-MUSIC | 2(1,1) |
| K-12 Music Methods: PR: Graduate standing in Music Education or C.I. Organization and administration of instruction for comprehensive music education, K-12. Instructional planning, techniques, and materials for general, choral, and instrumental music education. <i>Spring.</i> | | | Music of the Baroque: PR: MUH 3211 and MUH 3212. Music and culture during the Baroque period, 1600-1750. <i>Occasional.</i> | | | Piano Literature I: PR: Major in Music or C.I. Survey of stringed keyboard literature from the 16th century to the present, with emphasis on technical, formal and performance problems. <i>Odd Fall.</i> | | |
| MUG 3104 | CAH-MUSIC | 2(1,1) | MUH 4351 | CAH-MUSIC | 3(3,0) | MUL 3401 | CAH-MUSIC | 2(1,1) |
| Basic Conducting: PR: MUT 1122 or C.I. Fundamental techniques and practice in conducting. <i>Fall.</i> | | | Eighteenth-Century Music: PR: MUH 3211 and MUH 3212 or C.I. Music and culture of Western Europe in the era c. 1700-1830. <i>Even Fall.</i> | | | Piano Literature II: PR: MUL 3400. Continuation of MUL 3400. <i>Even Spring.</i> | | |
| MUG 3202 | CAH-MUSIC | Variable | MUH 4361 | CAH-MUSIC | 3(3,0) | MUL 3463 | CAH-MUSIC | 2(2,0) |
| Choral Conducting and Materials: PR: MUG 3104. Fundamental principles of choral conducting and rehearsal techniques including an examination of materials. <i>Even Spring.</i> | | | Music of the 19th Century: PR: MUH 3211 and MUH 3212 with grades of "C," 2.0, or higher in each. Examination of Western European and American art music from the nineteenth century. <i>Odd Fall.</i> | | | Percussion Literature: PR: Music major (Percussion), Junior standing, C.I. Survey of music written for percussion instruments. <i>Odd Fall.</i> | | |
| MUG 3302 | CAH-MUSIC | Variable | MUH 4371 | CAH-MUSIC | 3(3,0) | MUL 3602 | CAH-MUSIC | 3(3,0) |
| Instrumental Conducting and Materials: PR: MUG 3104. Fundamental principles of instrumental conducting and rehearsal techniques including an examination of materials. <i>Spring.</i> | | | Music Since 1900: PR: MUH 3211, MUH 3212, or C.I. Western art music since 1900. <i>Odd Spring.</i> | | | Song Literature: PR: MUL 2014 or C.I. Classical song repertoire in English and common foreign languages, and proven methods of effective song study. <i>Odd Fall.</i> | | |
| MUG 4103C | CAH-MUSIC | 2(1,1) | MUH 4814 | CAH-MUSIC | 3(3,0) | MUL 3603 | CAH-MUSIC | 1(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. <i>Occasional.</i> | | | Jazz Styles and Analysis: PR: MUT 3171 and MUL 2016, or C.I. Historical style periods and master artists in jazz music. <i>Odd Spring.</i> | | | American/English Song Literature: PR: C.I. Survey of songs written by American or English composers. <i>Even Spring.</i> | | |
| MUH 2017 | CAH-MUSIC | 3(3,0) | MUH 5326 | CAH-MUSIC | 3(3,0) | MUL 3604 | CAH-MUSIC | 1(1,1) |
| Survey of Rock Music: Rise of rock music to prominence, and its impact on audience reception. No musical background required. <i>Fall, Spring.</i> | | | Medieval and Renaissance Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 450-1600. <i>Occasional.</i> | | | German Song Literature: PR: Music major or C.I. Survey of German song literature. <i>Odd Spring.</i> | | |
| | | | MUH 5345 | CAH-MUSIC | 3(3,0) | MUL 3605 | CAH-MUSIC | 1(1,1) |
| | | | Music of the Baroque: PR: Graduate standing in music education or C.I. Baroque music, 1600-1750. Investigates Baroque musical styles and composers within their diverse historical, musical, and cultural contexts. <i>Even Spring.</i> | | | French Song Literature: PR: Music major or C.I. Survey of French song literature. <i>Odd Fall.</i> | | |
| | | | MUH 5356 | CAH-MUSIC | 3(3,0) | MUL 4437 | CAH-MUSIC | 3(3,0) |
| | | | Eighteenth-Century Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 1700-1800. <i>Occasional.</i> | | | String Literature and Pedagogy: PR: MUL 2014. Important literature written for string instruments, and basic concepts and techniques to teach string. <i>Odd Spring.</i> | | |
| | | | MUH 5365 | CAH-MUSIC | 3(3,0) | MUL 4438 | CAH-MUSIC | 3(3,0) |
| | | | Music of the 19th Century: PR: Graduate standing in Music or C.I. Western Art Music of the 19th Century. <i>Odd Fall.</i> | | | Guitar Literature and Pedagogy: PR: MVS 2426 or C.I. Overview of classical guitar literature, history, and pedagogy from the Renaissance to the present. <i>Odd Fall.</i> | | |

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| MUL 4443 CAH-MUSIC 3(3,0) Brass Literature and Pedagogy: PR: MUL 2014. Important literature written for brass instruments, and basic concepts and techniques to teach brass. <i>Odd Spring.</i> | 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. <i>Fall, Spring.</i> M&S fee: \$35.00 | 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. <i>Occasional.</i> M&S fee: \$5.00 |
| MUL 4444 CAH-MUSIC 3(3,0) Woodwind Literature and Pedagogy: PR: Music major and MUL 2014. Important literature written for woodwind instruments, and basic concepts and techniques to teach woodwinds. <i>Odd Spring.</i> | 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. <i>Fall, Odd Spring.</i> M&S fee: \$35.00 | 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. <i>Odd Fall.</i> M&S fee: \$35.00 |
| MUL 5215 CAH-MUSIC 3(3,0) Electronic Music Literature: PR: MUL 2010, MUL 2014, MUL 2016, MUH 2017, or MUH 2019, or C.I. Survey of electronic music and music technology with emphasis on history, sociological perspectives and aesthetics. <i>Occasional.</i> | 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. <i>Fall, Spring.</i> | MUN 5465L CAH-MUSIC 1(0,2) Graduate Chamber Music: PR: Graduate standing in music education and C.I. The study and performance of vocal and/or instrumental chamber ensemble literature. Flexible instrumentation to meet student needs. May be used in the degree program a maximum of 5 times. <i>Occasional.</i> M&S fee: \$5.00 |
| MUM 5806 CAH-MUSIC 3(3,0) Performing 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. <i>Spring.</i> | 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. <i>Fall, Spring.</i> 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. <i>Occasional.</i> M&S fee: \$5.00 |
| 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. <i>Fall.</i> | MUN 3487 CAH-MUSIC 1(0,2) Guitar Ensemble: PR: Audition or C.I. Study and performance of music for multiple guitars. <i>Odd Spring.</i> | 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. <i>Fall, Spring.</i> M&S fee: \$20.00 |
| 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. <i>Fall.</i> M&S fee: \$36.54 | 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. <i>Fall, Spring.</i> 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. <i>Fall, Spring.</i> M&S fee: \$20.00 |
| 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. <i>Fall, Spring.</i> 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. <i>Fall, Spring.</i> M&S fee: \$5.00 | 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. <i>Fall, Spring.</i> M&S fee: \$20.00 |
| MUN 3143 CAH-MUSIC 1(0,4) Wind Ensemble: PR: Open to all students by audition. Study and performance of music for wind ensemble and band. May be repeated for credit. <i>Fall, Spring.</i> 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 music for small ensembles. May be repeated for credit. <i>Occasional.</i> | 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. <i>Fall.</i> |
| 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. <i>Fall, Spring.</i> M&S fee: \$20.00 | 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. <i>Fall, Spring.</i> M&S fee: \$5.00 | MUO 3503 CAH-MUSIC 1(0,3) Opera Workshop: PR: MUO 2501C, or C.I., and audition. Study, preparation, and performance of opera literature. May be used in the degree program a maximum of 8 times. <i>Occasional.</i> 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. <i>Fall, Spring.</i> 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. <i>Fall, Spring.</i> M&S fee: \$5.00 | MUO 5505L CAH-MUSIC 1(0,3) Graduate Opera Workshop: PR: C.I. and Audition. Study of audition techniques, operatic roles and repertoire, and characterization through performance. May be used in the degree program a maximum of 5 times. <i>Occasional.</i> |
| 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. <i>Fall, Spring.</i> M&S fee: \$20.00 | 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. <i>Odd Fall.</i> M&S fee: \$20.00 | MUS 1010 CAH-MUSIC 0(9,2) Music Forum: A series of special musical events required of music majors. Includes lectures and recitals by faculty, students, and guest artists. Graded S/U. May be repeated for credit. <i>Fall, Spring.</i> |
| 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. <i>Fall, Spring.</i> 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. <i>Odd Fall.</i> M&S fee: \$20.00 | MUS 1250 CAH-MUSIC 1(2,0) IPA for Singers: PR: Music major or C.I. The International Phonetic Alphabet and its application to English, French, German, and Italian music written for voice. <i>Odd Fall.</i> |
| 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. <i>Fall, Spring.</i> M&S fee: \$20.00 | MUN 5215 CAH-MUSIC 1(0,5) Symphony Orchestra: PR: Open to all graduate students by audition. Rehearsal and performance of works from the symphonic repertoire. May be used in the degree program a maximum of 4 times. <i>Odd Fall.</i> M&S fee: \$20.00 | MUS 1952C CAH-MUSIC 3(3,0) Study Abroad: Irish Music: PR: C.I. The history, genres, forms, instruments, and performance of Irish music taught in the native environment. Graded S/U. <i>Occasional.</i> |
| MUN 3430 CAH-MUSIC 1(1,0) Trumpet Ensemble: PR: C.I. Rehearsal and performance of music for trumpet ensembles. May be repeated for credit. <i>Occasional.</i> M&S fee: \$5.00 | 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. <i>Odd Fall.</i> M&S fee: \$20.00 | 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, CDs, and the Internet. <i>Fall, Spring.</i> M&S fee: \$15.83 |
| 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. <i>Fall, Spring.</i> 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. <i>Occasional.</i> M&S fee: \$5.00 | |

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| MUS 3254 | CAH-MUSIC | 2(2,0) | MUT 1122 | CAH-MUSIC | 4(2,3) | MUT 5381 | CAH-MUSIC | 3(3,0) |
| Italian and French Lyric Diction: PR: MUS 1250. Study and applications of the correct sung pronunciation of the Italian and French languages. <i>Odd Spring.</i> | | | 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. <i>Odd Spring.</i> | | | Arranging and Composing Music: PR: Satisfactory 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. <i>Even Fall.</i> | | |
| MUS 3255 | CAH-MUSIC | 2(2,0) | MUT 2126 | CAH-MUSIC | 4(2,3) | MUT 5936 | CAH-MUSIC | 3(3,0) |
| German and English Lyric Diction: PR: MUS 1250. Study and applications of the correct sung pronunciation of the German and English languages. <i>Odd Spring.</i> | | | Music Theory and Musicianship III: PR: MUT 1122 or C.I. Continuation of MUT 1122. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. <i>Odd Spring.</i> | | | 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. <i>Occasional.</i> | | |
| MUS 3953 | CAH-MUSIC | 0(1,0) | MUT 2127 | CAH-MUSIC | 4(2,3) | MVB 1211 | CAH-MUSIC | 1(0,1) |
| Recital Performance I: PR: Junior Level Applied Music and C. I. Public recital of 30 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. <i>Fall, Spring.</i> | | | Music Theory and Musicianship IV: PR: MUT 2126 or C.I. Continuation of MUT 2126. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. <i>Odd Spring.</i> | | | Secondary Trumpet: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in trumpet. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MUS 4320 | CAH-MUSIC | 3(3,0) | MUT 3170 | CAH-MUSIC | 3(3,0) | MVB 1212 | CAH-MUSIC | 1(0,1) |
| Music Business and Industry: PR: MUS 2360C or C.I. Today's music industry copyright, publishing, contracts and licensing. <i>Odd Spring.</i> | | | Jazz Theory I: PR: MUT 1122 or C.I. Study of theoretical concepts in jazz music, including practical keyboard applications. <i>Even Fall.</i> | | | 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. <i>Fall, Spring.</i> | | |
| MUS 4330 | CAH-MUSIC | 2(1,1) | MUT 3171 | CAH-MUSIC | 3(3,0) | MVB 1213 | CAH-MUSIC | 1(0,1) |
| Recording Techniques for Classical Music: PR: MUL 2010 or C.I. Concert hall recording techniques for classical music. <i>Occasional.</i> | | | Jazz Theory II: PR: MUT 3170. Advanced study of theoretical concepts in jazz music, including practical keyboard applications. <i>Odd Spring.</i> | | | Secondary Trombone: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in trombone. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MUS 4347C | CAH-MUSIC | 3(2,2) | MUT 3401 | CAH-MUSIC | 3(3,0) | MVB 1214 | CAH-MUSIC | 1(0,1) |
| Digital Notation: PR: MUC 3311. Work on projects utilizing computer notational software applications. <i>Spring</i> M&S fee: \$15.83 | | | Counterpoint: PR: MUT 2127. Discuss, analyze, and write counterpoint exercises. 18th, 19th, and 20th scores will be examined. <i>Even Spring.</i> | | | Secondary Baritone: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in baritone. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MUS 4401 | CAH-MUSIC | 2(1,1) | MUT 3571 | CAH-MUSIC | 3(3,0) | MVB 1215 | CAH-MUSIC | 1(0,1) |
| Studio Teaching: PR: C.I. Management of the music studio; responsibilities and techniques of private instruction for the studio teacher, principles of psychology of music. May be repeated for credit. <i>Occasional.</i> | | | 20th Century Musical Analysis: PR: MUT 2127 or equivalent. Overview of 20th century music, including musical compositions, techniques of musical analysis, and styles. <i>Fall.</i> | | | Secondary Tuba: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in tuba. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MUS 4900 | CAH-MUSIC | 3(3,0) | MUT 3622 | CAH-MUSIC | 3(3,0) | MVB 1411 | CAH-MUSIC | 2(1,1) |
| 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. <i>Occasional.</i> | | | Analytical Approaches to Musical Rhythm: PR: MUT 2127 or equivalent or C.I. Contemporary, cognitive, hyper-metric, and projective approaches to musical rhythm, rhythm in dance, performance, and non-Western music. <i>Occasional.</i> | | | Trumpet I: PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MUS 4905 | CAH-MUSIC | 1-4(1-4) | MUT 3641 | CAH-MUSIC | 2(0,2) | MVB 1412 | CAH-MUSIC | 2(1,1) |
| 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. <i>Occasional.</i> | | | Jazz Improvisation I: PR: MUT 3171, Junior standing or C.I. Jazz improvisation with an emphasis on listening, harmony, arranging, and jazz forms. Melodic and harmonic dictation at the keyboard. <i>Odd Fall.</i> | | | French Horn I: PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MUS 4954 | CAH-MUSIC | 0(1,0) | MUT 3642 | CAH-MUSIC | 2(0,2) | MVB 1413 | CAH-MUSIC | 2(1,1) |
| 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. <i>Fall, Spring.</i> | | | Jazz Improvisation II: PR: MUT 3641 Junior standing or C.I. A continuation of Jazz Improvisation I. <i>Even Spring.</i> | | | Trombone I: PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MUS 5365 | CAH-MUSIC | 3(3,0) | MUT 3923 | CAH-MUSIC | 3(0,3) | MVB 1414 | CAH-MUSIC | 2(1,1) |
| 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. <i>Occasional.</i> | | | 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. <i>Odd Spring.</i> | | | Baritone I: PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MUS 5677 | CAH-MUSIC | 3(3,0) | MUT 4031 | CAH-MUSIC | 1(1,0) | MVB 1415 | CAH-MUSIC | 2(1,1) |
| 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. <i>Occasional.</i> | | | Review of Music Theory: PR: C.I. A comprehensive review of harmonic and analytic skills. May be repeated for credit. <i>Occasional.</i> | | | Tuba I: PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Even Fall, Spring.</i> | | |
| MUT 1002 | CAH-MUSIC | 3(3,0) | MUT 4311 | CAH-MUSIC | 3(3,0) | MVB 2421 | CAH-MUSIC | 2(1,1) |
| Fundamentals of Music II: PR: MUT 1004. Theory and sight singing skills. <i>Occasional.</i> | | | Orchestration: PR: MUS 2360C and MUT 2127. Technical and aesthetic principles of writing for instruments of the concert orchestra. <i>Odd Spring.</i> | | | Trumpet II: PR: MVB 1411 and competence determined by faculty jury. Continuation of MVB 1411. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MUT 1004 | CAH-MUSIC | 3(3,0) | MUT 4344 | CAH-MUSIC | 1(1,0) | MVB 2422 | CAH-MUSIC | 2(1,1) |
| Fundamentals of Music I: Basic music theory and reading music at the keyboard. <i>Fall.</i> | | | Seminar in Music Arranging: Scoring for choral and instrumental ensembles. <i>Occasional.</i> | | | French Horn II: PR: MVB 1412 and competence determined by faculty jury. Continuation of MVB 1412. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MUT 1121 | CAH-MUSIC | 4(2,3) | | | | MVB 2423 | CAH-MUSIC | 2(1,1) |
| 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. <i>Odd Spring.</i> | | | | | | Trombone II: PR: MVB 1413 and competence determined by faculty jury. Continuation of MVB 1413. May be repeated for credit. <i>Fall, Spring.</i> | | |

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| MVB 2424 | CAH-MUSIC | 2(1,1) | MVB 5452 | CAH-MUSIC | 2(1,0) | MVJ 3234 | CAH-MUSIC | 3(1,1) |
| Baritone II: PR: MVB 1414 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. <i>Fall, Spring.</i> | | | French Horn V: PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i> | | | Jazz Bass III: PR: MVJ 2224. Continuation of MVJ 2224. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i> | | |
| MVB 2425 | CAH-MUSIC | 2(1,1) | MVB 5453 | CAH-MUSIC | 2(1,0) | MVJ 3339 | CAH-MUSIC | 3(1,1) |
| Tuba II: PR: MVB 1415 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. <i>Fall, Spring.</i> | | | Trombone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i> | | | Jazz Drum Set III: PR: MVJ 2229. Continuation of MVJ 2229. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i> | | |
| MVB 3431 | CAH-MUSIC | 2-3(1,1) | MVB 5454 | CAH-MUSIC | 2(1,0) | MVJ 4240 | CAH-MUSIC | 4(1,1) |
| Trumpet III: PR: MVB 2421. Continued study of performance skills of the trumpet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Baritone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i> | | | Jazz Piano IV: PR: MVJ 3230. Continuation of MVJ 3230. Scale studies, arpeggios, chord voicings, and other techniques included in advanced jazz piano skills. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i> | | |
| MVB 3432 | CAH-MUSIC | 2-3(1,1) | MVB 5455 | CAH-MUSIC | 2(1,0) | MVJ 4243 | CAH-MUSIC | 4(1,1) |
| French Horn III: PR: MVB 2422 and competence determined by faculty jury. Continued study of performance skills of the French horn, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Tuba V: PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i> | | | Jazz Guitar IV: PR: MVJ 3233. Continuation of MVJ 3233. Scales, arpeggios, chord voicings, and other techniques included in advanced jazz guitar skills. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i> | | |
| MVB 3433 | CAH-MUSIC | 2-3(1,1) | MVJ 1010 | CAH-MUSIC | 2(1,1) | MVJ 4244 | CAH-MUSIC | 4(1,1) |
| Trombone III: PR: MVB 2423 and competence determined by faculty jury. Continued study of performance skills of the trombone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Jazz Piano I: PR: Music major or C.I. Scale studies, arpeggios, chord voicings, and other techniques included in fundamentals of jazz piano skills. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i> | | | Jazz Bass IV: PR: MVJ 3234. Continuation of MVJ 3234. Advanced Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i> | | |
| MVB 3434 | CAH-MUSIC | 2-3(1,1) | MVJ 1213 | CAH-MUSIC | 2(1,1) | MVJ 4349 | CAH-MUSIC | 4(1,1) |
| Euphonium III: PR: MVB 2424 and competence determined by faculty jury. Continued study of performance skills of the euphonium, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Jazz Guitar I: PR: Music major or C.I. Scales, arpeggios, chord voicings, and other techniques included in fundamentals of jazz guitar skills. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i> | | | Jazz Drum Set IV: PR: MVJ 3339. Continuation of MVJ 3339. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i> | | |
| MVB 3435 | CAH-MUSIC | 2-3(1,1) | MVJ 1214 | CAH-MUSIC | 2(1,1) | MVJ 5350C | CAH-MUSIC | 2(1,1) |
| Tuba III: PR: MVB 2425 and competence determined by faculty jury. Continued study of performance skills of the tuba, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Jazz Bass I: PR: Music major or C.I. Basic Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i> | | | Jazz Piano V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz piano literature, styles, and techniques. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | |
| MVB 4441 | CAH-MUSIC | 4(1,1) | MVJ 1219 | CAH-MUSIC | 2(1,1) | MVJ 5353C | CAH-MUSIC | 2(1,1) |
| Trumpet IV: PR: MVB 3431. Intensive advanced performance study of the trumpet, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Jazz Drum Set I: PR: Music major or C.I. Basic Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i> | | | Jazz Guitar V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz guitar literature, styles and techniques. May be used in the degree program a maximum of 3 times only when course content is different. <i>Fall, Spring.</i> | | |
| MVB 4442 | CAH-MUSIC | 4(1,1) | MVJ 2220 | CAH-MUSIC | 2(1,1) | MVJ 5354C | CAH-MUSIC | 2(1,1) |
| French Horn IV: PR: MVB 3432 and competence determined by faculty jury. Intensive advanced performance study of the French horn, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Jazz Piano II: PR: MVJ 1010. Continuation of MVJ 1010. Scale Studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i> | | | Jazz Bass V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz bass literature, styles and techniques. May be used in the degree program a maximum of 3 times only when course content is different. <i>Fall, Spring.</i> | | |
| MVB 4443 | CAH-MUSIC | 4(1,1) | MVJ 2223 | CAH-MUSIC | 2(1,1) | MVJ 5359C | CAH-MUSIC | 2(1,1) |
| Trombone IV: PR: MVB 3433 and competence determined by faculty jury. Intensive advanced performance study of the trombone, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Jazz Guitar II: PR: MVJ 1213. Continuation of MVJ 1213. Scales, arpeggios, chord voicings and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i> | | | Jazz Drum Set V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz drum set literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. <i>Fall, Spring.</i> M&S fee: \$35.00 | | |
| MVB 4444 | CAH-MUSIC | 4(1,1) | MVJ 2224 | CAH-MUSIC | 2(1,1) | MVK 1111 | CAH-MUSIC | 1(0,2) |
| Euphonium IV: PR: MVB 3434 and competence determined by faculty jury. Intensive advanced performance study of the euphonium, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Jazz Bass II: PR: MVJ 1214. Continuation of MVJ 1214. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i> | | | Class Piano I: Class instruction for beginning piano students. Not open to music majors whose major performing medium is piano. <i>Fall, Spring.</i> | | |
| MVB 4445 | CAH-MUSIC | 4(1,1) | MVJ 2229 | CAH-MUSIC | 2(1,1) | MVK 1112 | CAH-MUSIC | 1(0,2) |
| Tuba IV: PR: MVB 3435 and competence determined by faculty jury. Intensive advanced performance study of the tuba, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Jazz Drum Set II: PR: MVJ 1219. Continuation of MVJ 1219. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i> | | | Class Piano II: PR: MVK 1111, Music major, or C.I. Continuation of MVK 1111. Music majors only; not open to music majors whose major performing medium is piano. <i>Fall, Spring.</i> | | |
| MVB 5451 | CAH-MUSIC | 2(1,0) | MVJ 3230 | CAH-MUSIC | 3(1,1) | MVK 1211 | CAH-MUSIC | 1(0,1) |
| Trumpet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i> | | | Jazz Piano III: PR: MVJ 2220. Continuation of MVJ 2220. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i> | | | Secondary Piano: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in piano. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i> | | |
| | | | MVJ 3233 | CAH-MUSIC | 3(1,1) | | | |
| | | | Jazz Guitar III: PR: MVJ 2223. Continuation of MVJ 2223. Scales, arpeggios, chord voicings and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i> | | | | | |

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|--|-----------|----------|---|-----------|----------|---|-----------|--------|
| MVK 1213 | CAH-MUSIC | 1(1,1) | MVK 4960 | CAH-MUSIC | 0(1,0) | MVS 1213 | CAH-MUSIC | 1(0,1) |
| Secondary Organ: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in organ. Intended for non-music majors. May be repeated for credit. <i>Occasional.</i> | | | Piano Proficiency Exam: PR: C.I. Demonstration of piano skills in basic repertoire, sight-reading, harmonization and transposition. Required of Music majors. Graded S/U. May be used in the degree program a maximum of 2 times. <i>Fall, Spring.</i> | | | Secondary Cello: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in cello. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVK 1411 | CAH-MUSIC | 2(1,1) | MVK 5451 | CAH-MUSIC | 2(1,0) | MVS 1214 | CAH-MUSIC | 1(0,1) |
| Piano I: PR: Major in music or consent of chairperson; audition. May be repeated for credit. <i>Fall, Spring.</i> | | | Piano V: PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i> | | | Secondary Bass: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in bass. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVK 1413 | CAH-MUSIC | 2(1,1) | MVK 5453 | CAH-MUSIC | 2(1,0) | MVS 1216 | CAH-MUSIC | 1(0,1) |
| Organ I: PR: Major in music or consent of chairperson; audition. May be repeated for credit. <i>Occasional.</i> | | | Organ V: PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Occasional.</i> | | | Secondary Guitar: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in guitar. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVK 1800 | CAH-MUSIC | 2(2,0) | MVO 1214 | CAH-MUSIC | 1(0,1) | MVS 1411 | CAH-MUSIC | 2(1,1) |
| Keyboard Class I: Keyboard training for non-Music students with no prior keyboard training. <i>Fall, Spring.</i> | | | Secondary Recorder: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in recorder. Intended for non-music majors. May be repeated for credit. <i>Occasional.</i> | | | Violin I: PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVK 1801 | CAH-MUSIC | 2(2,0) | MVO 5250 | CAH-MUSIC | 1(1,0) | MVS 1412 | CAH-MUSIC | 2(1,1) |
| Keyboard Class II: PR: MVK 1800. Continuation of Keyboard class I. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Viola I: PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVK 2121 | CAH-MUSIC | 1(0,2) | MVP 1211 | CAH-MUSIC | 1(0,1) | MVS 1413 | CAH-MUSIC | 2(1,1) |
| Class Piano III: PR: MVK 1112, Music major or C.I. Continuation of MVK 1112. Music majors only; not open to music majors whose major instrument is piano. <i>Fall, Spring.</i> | | | Secondary Percussion: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in percussion. Intended for non-music majors. May be repeated for credit. <i>Occasional.</i> M&S fee: \$35.00 | | | Cello I: PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVK 2122 | CAH-MUSIC | 1(0,2) | MVP 1411 | CAH-MUSIC | 2(1,1) | MVS 1414 | CAH-MUSIC | 2(1,1) |
| Class Piano IV: PR: Music major, MVK 2121 or C.I. Continuation of MVK 2121. Music majors only; not open to music majors whose major instrument is piano. <i>Fall, Spring.</i> | | | Percussion I: PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i> M&S fee: \$35.00 | | | Bass I: PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVK 2421 | CAH-MUSIC | 2(1,1) | MVP 2421 | CAH-MUSIC | 2(1,1) | MVS 1415 | CAH-MUSIC | 2(1,1) |
| Piano II: PR: MVK 1411 and competence determined by faculty jury. Continuation of MVK 1411. May be repeated for credit. <i>Fall, Spring.</i> | | | Percussion II: PR: MVP 1411 and competence determined by faculty jury. Continuation of MVP 1411. May be repeated for credit. <i>Fall, Spring.</i> M&S fee: \$35.00 | | | Harp I: PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVK 2423 | CAH-MUSIC | 2(1,1) | MVP 3431 | CAH-MUSIC | 2-3(1,1) | MVS 1416 | CAH-MUSIC | 2(1,1) |
| Organ II: PR: MVK 1413 and competence determined by faculty jury. Continuation of MVK 1413. May be repeated for credit. <i>Occasional.</i> | | | Percussion III: PR: MVP 2421 and competence determined by faculty jury. Continued 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. <i>Fall, Spring.</i> M&S fee: \$35.00 | | | Guitar I: PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVK 3431 | CAH-MUSIC | 2-3(1,1) | MVP 3630 | CAH-MUSIC | 2(2,0) | MVS 2421 | CAH-MUSIC | 2(1,1) |
| Piano III: PR: MVK 2421 and competence determined by faculty jury. Continued study of performance skills of the piano, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Percussion Pedagogy: PR: Music major, C.I. Teaching methods and materials for percussion students and groups. <i>Fall, Spring.</i> | | | Violin II: PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVK 3433 | CAH-MUSIC | 2(1,1) | MVP 4441 | CAH-MUSIC | 4(1,1) | MVS 2422 | CAH-MUSIC | 2(1,1) |
| Organ III: PR: MVK 2423 and competence determined by faculty jury. Continuation of MVK 2423. May be repeated for credit. <i>Occasional.</i> | | | Percussion IV: PR: MVP 3431 and competence determined by faculty jury. Intensive advanced performance study of percussion for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> M&S fee: \$35.00 | | | Viola II: PR: MVS 1412 and competence determined by faculty jury. Continuation of MVS 1412. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVK 4441 | CAH-MUSIC | 4(1,1) | MVP 5451 | CAH-MUSIC | 2(1,0) | MVS 2423 | CAH-MUSIC | 2(1,1) |
| Piano IV: PR: MVK 3431 and competence determined by faculty jury. Intensive advanced performance study of the piano, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Percussion V: PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i> M&S fee: \$35.00 | | | Cello II: PR: MVS 1413 and competence determined by faculty jury. Continuation of MVS 1413. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVK 4443 | CAH-MUSIC | 2(1,1) | MVS 1211 | CAH-MUSIC | 1(0,1) | MVS 2424 | CAH-MUSIC | 2(1,1) |
| Organ IV: PR: MVK 3433 and competence determined by faculty jury. Continuation of MVK 3433. May be repeated for credit. <i>Occasional.</i> | | | Secondary Violin: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in violin. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i> | | | Bass II: PR: MVS 1414 and competence determined by faculty jury. Continuation of MVS 1414. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVK 4640 | CAH-MUSIC | 1(1,0) | MVS 1212 | CAH-MUSIC | 1(0,1) | MVS 2425 | CAH-MUSIC | 2(1,1) |
| Piano Pedagogy I: PR: C.I. Methods, materials for teaching individuals and classes of children and adults beginning to intermediate levels; demonstration and observation of procedures. May be repeated for credit. <i>Even Fall.</i> | | | Secondary Viola: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in viola. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i> | | | Harp II: PR: MVS 1415 and competence determined by faculty jury. Continuation of MVS 1415. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVK 4641 | CAH-MUSIC | 1(1,0) | MVS 3431 | CAH-MUSIC | 2-3(1,1) | MVS 2426 | CAH-MUSIC | 2(1,1) |
| Piano Pedagogy II: PR: C.I. Continuation of MVK 4640. Emphasis on intermediate through advanced levels. May be repeated for credit. <i>Odd Spring.</i> | | | Violin III: PR: MVS 2421 and competence determined by faculty jury. Continued study of performance skills of the violin, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Guitar II: PR: MVS 1416 and competence determined by faculty jury. Continuation of MVS 1416. May be repeated for credit. <i>Fall, Spring.</i> | | |

UCF Courses and Descriptions

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| MVS 3432 | CAH-MUSIC | 2-3(1,1) | MVS 5454 | CAH-MUSIC | 2(1,0) | MVW 1214 | CAH-MUSIC | 1(0,1) |
| Viola III: PR: MVS 2422 and competence determined by faculty jury. Continued study of performance skills of the viola, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Bass V: PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i> | | | Secondary Bassoon: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in bassoon. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVS 3433 | CAH-MUSIC | 2-3(1,1) | MVS 5455 | CAH-MUSIC | 2(1,0) | MVW 1215 | CAH-MUSIC | 1(0,1) |
| Cello III: PR: MVS 2423 and competence determined by faculty jury. Continued study of performance skills of the cello, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Harp V: PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i> | | | Secondary Saxophone: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in saxophone. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVS 3434 | CAH-MUSIC | 2-3(1,1) | MVS 5456 | CAH-MUSIC | 2(1,0) | MVW 1411 | CAH-MUSIC | 2(1,1) |
| Bass III: PR: MVS 2424 and competence determined by faculty jury. Continued study of performance skills of the string bass, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Guitar V: PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i> | | | Flute I: PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVS 3435 | CAH-MUSIC | 2-3(1,1) | MVV 1111 | CAH-MUSIC | 1(0,1) | MVW 1412 | CAH-MUSIC | 2(1,1) |
| Harp III: PR: MVS 2425 and competence determined by faculty jury. Continued study of performance skills of the harp, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Class Voice: Class instruction in beginning voice. May be repeated for credit. <i>Fall, Spring.</i> | | | Oboe I: PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVS 3436 | CAH-MUSIC | 2-3(1,1) | MVV 1411 | CAH-MUSIC | 2(1,1) | MVW 1413 | CAH-MUSIC | 2(1,1) |
| Guitar III: PR: MVS 2426 and competence determined by faculty jury. Continued study of performance skills of the guitar, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Voice I: PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i> | | | Clarinet I: PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVS 4346 | CAH-MUSIC | 4(1,1) | MVV 1873 | CAH-MUSIC | 1(0,1) | MVW 1414 | CAH-MUSIC | 2(1,1) |
| Guitar IV: PR: MVS 3436 and competence determined by faculty jury. Intensive advanced performance study of the guitar, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Secondary Voice: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in voice. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i> | | | Bassoon I: PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i> M&S fee: \$20.00 | | |
| MVS 4441 | CAH-MUSIC | 4(1,1) | MVV 2421 | CAH-MUSIC | 2(1,1) | MVW 1415 | CAH-MUSIC | 2(1,1) |
| Violin IV: PR: MVS 3431 and competence determined by faculty jury. Intensive advanced performance study of the violin, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Voice II: PR: MVV 1411 and competence determined by faculty jury. CR: MUS 1250. Continuation of MVV 1411. Major in music or consent of chair; audition. Private and class lessons. May be repeated for credit 2 times. <i>Fall, Spring.</i> | | | Saxophone I: PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVS 4442 | CAH-MUSIC | 4(1,1) | MVV 3431 | CAH-MUSIC | 2-3(1,1) | MVW 2421 | CAH-MUSIC | 2(1,1) |
| Viola IV: PR: MVS 3432 and competence determined by faculty jury. Intensive advanced performance study of the viola, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Voice III: PR: MVV 2421 and competence determined by faculty jury. Continued study of performance skills of the voice, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Flute II: PR: MVW 1411 and competence determined by faculty jury. Continuation of MVW 1411. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVS 4443 | CAH-MUSIC | 4(1,1) | MVV 4441 | CAH-MUSIC | 4(1,1) | MVW 2422 | CAH-MUSIC | 2(1,1) |
| Cello IV: PR: MVS 3433 and competence determined by faculty jury. Intensive advanced performance study of the cello, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Voice IV: PR: MVV 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. <i>Fall, Spring.</i> | | | Oboe II: PR: MVW 1412 and competence determined by faculty jury. Continuation of MVW 1412. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVS 4444 | CAH-MUSIC | 4(1,1) | MVV 4640 | CAH-MUSIC | 2(2,0) | MVW 2423 | CAH-MUSIC | 2(1,1) |
| Bass IV: PR: MVS 3434 and competence determined by faculty jury. Intensive advanced performance study of the string bass, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Voice Pedagogy: PR: C.I. Vocal function, anatomy, and pedagogical methodology as applied to the voice teacher and performer. <i>Odd Spring.</i> | | | Clarinet II: PR: MVW 1413 and competence determined by faculty jury. Continuation of MVW 1413. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVS 4445 | CAH-MUSIC | 4(1,1) | MVV 4641 | CAH-MUSIC | 1(1,0) | MVW 2424 | CAH-MUSIC | 2(1,1) |
| Harp IV: PR: MVS 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. <i>Fall, Spring.</i> | | | Voice Pedagogy II: PR: C.I. Continuation of MVV 4640. Intermediate to advanced levels. May be repeated for credit. <i>Odd Spring.</i> | | | Bassoon II: PR: MVW 1414 and competence determined by faculty jury. Continuation of MVW 1414. May be repeated for credit. <i>Fall, Spring.</i> M&S fee: \$20.00 | | |
| MVS 5451 | CAH-MUSIC | 2(1,0) | MVV 5451 | CAH-MUSIC | 2(1,0) | MVW 2425 | CAH-MUSIC | 2(1,1) |
| Violin V: PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i> | | | Voice V: PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i> | | | Saxophone II: PR: MVW 1415 and competence determined by faculty jury. Continuation of MVW 1415. May be repeated for credit. <i>Fall, Spring.</i> | | |
| MVS 5452 | CAH-MUSIC | 2(1,0) | MVW 1211 | CAH-MUSIC | 1(0,1) | MVW 3431 | CAH-MUSIC | 2-3(1,1) |
| Viola V: PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i> | | | Secondary Flute: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in flute. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i> | | | Flute III: PR: MVW 2421 and competence determined by faculty jury. Continued study of performance skills of the flute, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | |
| MVS 5453 | CAH-MUSIC | 2(1,0) | MVW 1212 | CAH-MUSIC | 1(0,1) | MVW 3432 | CAH-MUSIC | 2-3(1,1) |
| Cello V: PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i> | | | Secondary Oboe: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in oboe. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i> | | | Oboe III: PR: MVW 2422 and competence determined by faculty jury. Continued study of performance skills of the oboe, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | |
| | | | MVW 1213 | CAH-MUSIC | 1(0,1) | MVW 3433 | CAH-MUSIC | 2-3(1,1) |
| | | | Secondary Clarinet: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in clarinet. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i> | | | Clarinet III: PR: MVW 2423 and competence determined by faculty jury. Continued study of performance skills of the clarinet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | |

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|--|-----------|----------|---|----------|--------|--|----------|--------|
| MVW 3434 | CAH-MUSIC | 2-3(1,1) | NGR 5090 | CON-NURS | 3(3,0) | NUR 1015 | CON-NURS | 3(3,0) |
| Bassoon III: PR: MVW 2424 and competence determined by faculty jury. Continued study of performance skills of the bassoon, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Urgent Care for the Advanced Practice Nurse: PR: NGR 6240 or C.I. Advanced practice evaluation and management of clients in urgent care settings. <i>Occasional.</i> | | | Nursing as a Profession: Professional nursing roles in contemporary society covering a range of topics using discourse methodology that forms a foundation for nursing and health care. <i>Fall.</i> | | |
| MVW 3435 | CAH-MUSIC | 2-3(1,1) | NGR 5141 | CON-NURS | 3(3,0) | NUR 3028 | CON-NURS | 2(2,0) |
| Saxophone III: PR: MVW 2425 and competence determined by faculty jury. Continued study of performance skills of the saxophone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Pathophysiological Bases for Advanced Nursing Practice: PR: Baccalaureate Degree in Nursing. Critical examination of the physiological and pathophysiological mechanisms affecting individuals. <i>Fall, Spring.</i> | | | Essentials of Nursing Practice: PR: Admission to BSN program. CR: NUR 3028L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3634 and NUR 3634L. Apply nursing process and core scientific principles to technical psychomotor nursing skills. Integrate evidence-based principles and nursing process to clients in long-term care. <i>Fall.</i> | | |
| MVW 4441 | CAH-MUSIC | 4(1,1) | NGR 5195C | CON-NURS | 3(2,1) | NUR 3028L | CON-NURS | 1(0,2) |
| Flute IV: PR: MVW 3431 and competence determined by faculty jury. Intensive advanced performance study of the flute, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | International Perspectives of Global Health: PR: Graduate standing or C.I. An analysis of global health in comparison with that of USA and other nation's health care systems. <i>Occasional.</i> | | | Essentials of Nursing Practice Lab: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3634 and NUR 3634L. Lab to learn and apply scientific and evidence-based principles as they relate to technical psychomotor nursing skills. Graded S/U. <i>Fall.</i> M&S fee: \$45.00 | | |
| MVW 4442 | CAH-MUSIC | 4(1,1) | NGR 5638 | CON-NURS | 3(3,0) | NUR 3065 | CON-NURS | 2(2,0) |
| Oboe IV: PR: MVW 3432 and competence determined by faculty jury. Intensive advanced performance study of the oboe, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Health Promotion: PR: Admission to MSN or Nursing Certificate program or C.I. Exploration and analysis of concepts, theories, research evidence, clinical assessment and interventions for health promotion and wellness. <i>Fall, Spring.</i> | | | Health Assessment: PR: or CR: NUR 3065L, and admission to the School of Nursing or C.I. Concepts of health assessment of clients. <i>Fall, Spring.</i> | | |
| MVW 4443 | CAH-MUSIC | 4(1,1) | NGR 5660 | CON-NURS | 3(3,0) | NUR 3065L | CON-NURS | 1(0,1) |
| Clarinet IV: PR: MVW 3433 and competence determined by faculty jury. Intensive performance study of the clarinet, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i> | | | Health Disparities: Issues and Strategies: PR: Graduate standing. Explores disparities in access, utilization, services, outcomes, and status for different US populations: data, research, programmatic issues; and strategies to close the gaps. <i>Occasional.</i> | | | Health Assessment Lab: CR: NUR 3065 and admission to the School of Nursing or C.I. Clinical application of concepts and techniques of health assessment of clients. <i>Fall, Spring.</i> M&S fee: \$15.00 | | |
| MVW 4444 | CAH-MUSIC | 4(1,1) | NGR 5720 | CON-NURS | 3(3,0) | NUR 3125 | CON-NURS | 3(3,0) |
| Bassoon IV: PR: MVW 3435 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. <i>Fall, Spring.</i> | | | Organizational Dynamics: PR: Baccalaureate Degree in Nursing or C.I. Analysis of organizational theories related to health care organizations and the use of leadership, communication and power to influence health care delivery and policy. <i>Fall.</i> | | | 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 and nursing care applications of the pathophysiological basis of illness. <i>Fall.</i> | | |
| MVW 4445 | CAH-MUSIC | 4(1,1) | NGR 5744 | CON-NURS | 1(1,0) | NUR 3145 | CON-NURS | 3(3,0) |
| Saxophone IV: 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. <i>Fall, Spring.</i> | | | Health Care Systems, Policy and Health Professionals: PR: Admission to the MSN program or C.I. Examine social responses to health and illness, health care systems and policies and the role of advanced practice nurses. <i>Fall, Spring.</i> | | | 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. <i>Fall.</i> | | |
| MVW 5451 | CAH-MUSIC | 2(1,0) | NGR 5745 | CON-NURS | 1(1,0) | NUR 3165 | CON-NURS | 3(3,0) |
| Flute V: PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i> | | | Professional Obligations and Activities of Advanced Practice Nursing: PR: NGR 5746 and NGR 5744. Admission to MSN program or C.I. Examine professional obligations of advanced practice nursing. Opportunity to develop skills for taking certification exam. <i>Fall, Spring.</i> | | | Nursing Research: PR: Admission to the BSN program; STA 2014C or 2023; for Basic program students: successful completion of the first semester; for RN to BSN students: NUR 3805 and RN status; or CI. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting nursing research for nursing practice. <i>Fall, Spring.</i> | | |
| MVW 5452 | CAH-MUSIC | 2(1,0) | NGR 5746 | CON-NURS | 1(1,0) | NUR 3165H | CON-NURS | 3(3,0) |
| Oboe V: PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i> | | | Cultural, legal, ethical, and political issues of Advanced Practice Nursing: PR: Admission to MSN program or C.I. Examine legal, ethical and political issues related to advanced practice nursing. <i>Fall, Spring.</i> | | | Nursing Research: PR: Permission of honors; admission to nursing and completion of previous nursing courses; STA 2014C or 2023; co-requisites per the plan of study or CI. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting research for nursing practice. With Honors content. <i>Occasional.</i> | | |
| MVW 5453 | CAH-MUSIC | 2(1,0) | NGR 5800 | CON-NURS | 3(3,0) | NUR 3167 | CON-NURS | 1(2,0) |
| Clarinet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i> | | | Theory for Advanced Practice Nursing: PR: Baccalaureate degree in Nursing or C.I. Conceptual and theoretical bases of nursing practice and research with emphasis on scholarly writing and critique. <i>Fall, Spring.</i> | | | Accelerated Nursing Research Seminar: PR: Admission to Accelerated BSN Option; previous undergraduate or graduate research course with approval from the CON. Accelerated study of systematic approaches to problematic situations in nursing. Selected experiences in investigating, analyzing, and interpreting nursing research and nursing issues. <i>Spring.</i> | | |
| MVW 5454 | CAH-MUSIC | 2(1,0) | NGR 5871 | CON-NURS | 3(3,0) | | | |
| Bassoon V: PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i> | | | Health Care Informatics: PR: Baccalaureate in health related field or C.I. Use of information systems, clinical data management, communication strategies, and decision-making models. <i>Fall.</i> | | | | | |
| MVW 5455 | CAH-MUSIC | 2(1,0) | NGR 5880 | CON-NURS | 3(3,0) | | | |
| Saxophone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i> | | | Professional Ethics: PR: C.I. Clinical cases and other professional ethical issues related to codes of conduct and research; application of ethical principles. May be repeated for credit. <i>Occasional.</i> | | | | | |
| NGR 5003 | CON-NURS | 2(2,0) | NGR 5931 | CON-NURS | 3(3,0) | | | |
| Advanced Health Assessment and Diagnostic Reasoning: PR: or CR: NGR 5141; CR: NGR 5004L. Concepts and skills of advanced health assessment over the lifespan. Application of the diagnostic reasoning process through differential diagnoses. <i>Fall, Spring.</i> | | | Interdisciplinary Care at End-of-Life: PR: Graduate Status or CI. Examination of interdisciplinary roles and strategies for enabling patients, families; and caregivers to approach end-of-life free from avoidable distress and suffering. <i>Fall.</i> | | | | | |
| NGR 5004L | CON-NURS | 1(0,1) | | | | | | |
| Advanced Health Assessment and Diagnostic Reasoning (Lab): PR: or CR: NGR 5141; CR: NGR 5003. Application of concepts and skills for advanced health assessment and diagnostic reasoning over the lifespan Graded S/U. <i>Fall, Spring.</i> M&S fee: \$45.00 | | | | | | | | |

UCF Courses and Descriptions

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| <p>NUR 3225 CON-NURS 3(3,0) Nursing Care of the Adult I: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225L; NUR 3125; NUR 3145; NUR 3445; NUR 3445L. Integrate biopsychosocial models of nursing practice for individuals and families experiencing health risks, short-term illness or chronic health problems. <i>Fall.</i></p> | <p>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. <i>Fall, Spring.</i></p> | <p>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. <i>Occasional.</i></p> |
| <p>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 3225; 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. <i>Fall.</i> M&S fee: \$45.00</p> | <p>NUR 3826H CON-NURS 3(3,0) Bioethical and Legal Issues in Health Care -Honors: PR: Permission of Honors. Includes questions concerning human values, legal and ethical questions arising in health care delivery policy issues and professional practice among licensed health care professionals. <i>Occasional.</i></p> | <p>NUR 4758 CON-NURS 3(3,0) Death & Dying: Nursing Considerations: PR: Admission to the Nursing Program, RN licensure, or C.I. An in-depth look at issues encountered in nursing practice related to the process of death, dying, and end of life. <i>Occasional.</i></p> |
| <p>NUR 3445 CON-NURS 3(3,0) Nursing Care of Families: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3125; NUR 3145; NUR 3445L. Concepts of family nursing as they relate to health promotion, maintenance and illness management for childbearing and child-bearing families. <i>Fall.</i></p> | <p>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. <i>Occasional.</i></p> | <p>NUR 4760 CON-NURS 3(3,0) Principles of Pain Management: PR: Admission to the Nursing Program, RN License, or C.I. Principles of pain and pain management across the lifespan from neonates to the elderly, including practices across healthcare settings, from acute care to home care. <i>Occasional.</i></p> |
| <p>NUR 3445L CON-NURS 2(0,6) Nursing Care of Families Clinical: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3125; NUR 3145; NUR 3445. Nursing practice to address health promotion, maintenance and illness management needs of childbearing and childbearing families. Graded S/U. <i>Fall.</i> M&S fee: \$45.00</p> | <p>NUR 4196 CON-NURS 3(3,0) Crisis Intervention: PR: Completion of PSY 2012, SYG 2000 or ANT 2000. Crisis theory and techniques; recognition and intervention in crisis events. Applicable to all areas of nursing and all helping professions. <i>Occasional.</i></p> | <p>NUR 4812C CON-NURS 4(1,3) Practicum and Role Development for RN's: PR: For students enrolled in the RN-BSN program only. PR: or CR: **NUR 4636, **NUR 4636L, NUR 4827, NUR 4837. Synthesis of theories and concepts incorporated throughout the curriculum applied to a selected area of nursing practice and directed toward professional role development. Graded S/U. <i>Fall, Spring.</i></p> |
| <p>NUR 3634 CON-NURS 3(3,0) Community Health Nursing: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3634L. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. <i>Fall.</i></p> | <p>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 4XXX Psychiatric Mental Health Nursing; NUR 4XXXL Psychiatric Mental Health Nursing Clinical Practice; or C.I. Nursing care of clients and their families experiencing acute, unstable, or life-threatening health problems. <i>Spring.</i></p> | <p>NUR 4827 CON-NURS 3(3,0) Leadership and Management Principles: PR: NUR 3805, RN Status or C.I. Scientific theories and principles of leadership and management needed to function in leadership, management, and teaching roles in professional nursing. Application of decision making process. <i>Fall, Spring.</i></p> |
| <p>NUR 3634L CON-NURS 2(0,6) Community Health Nursing Clinical: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3634. Clinical concepts of community health nursing focusing on community as client, and levels of prevention across the lifespan. Graded S/U. <i>Fall.</i> M&S fee: \$45.00</p> | <p>NUR 4227L CON-NURS 3(0,3) Nursing Care of the Adult II: Clinical Practice: PR: Admission to BSN program. CR: successful completion of the first three semesters in the nursing curriculum, NUR 4227; NUR 4XXX Psychiatric Mental Health Nursing; NUR 4XXXL Psychiatric Mental Health Nursing Clinical Practice; or C.I. Clinical practice in acute health care settings with clients experiencing acute, unstable, surgical, or life-threatening health conditions. Graded S/U. <i>Spring.</i></p> | <p>NUR 4829 CON-NURS 3(3,0) Accelerated Transitioning into Professional Practice as a Leader: PR: **NUR 4745, **NUR 4745L, **NUR 4525, **NUR 4525L, NUR 3167. CR: NUR 4945L, **NUR 4639, ***NUR 4636L. Application of leadership and management principles to the beginning role of the professional nurse. <i>Occasional.</i></p> |
| <p>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 3634 and NUR 3634L. Application of the nursing process, scientific and evidence-based principles in the nursing care of clients in long-term care. Graded S/U. <i>Fall.</i> M&S fee: \$45.00</p> | <p>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. <i>Spring.</i></p> | <p>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. <i>Fall, Spring.</i></p> |
| <p>NUR 3795 CON-NURS 3(3,0) Principles of Oncology Nursing: PR: C.I. or Junior standing. Basic principles and concepts in oncology. Focus on cancer as it affects individuals and families. Emphasis on cancer treatment, symptoms management and psychosocial response. <i>Occasional.</i></p> | <p>NUR 4286 CON-NURS 3(3,0) Gerontologic Nursing: PR: NUR 4286 or RN status or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings. <i>Occasional.</i></p> | <p>NUR 4838L CON-NURS 2(0,2) Directed Practicum in Nursing Administration: CR: NGR 5720. Clinical practice in an area of nursing administration. Graded S/U. <i>Occasional.</i></p> |
| <p>NUR 3805 CON-NURS 3(3,0) Dimensions of Professional Nursing Practice: PR: Nursing major/junior level or C.I.; ENC 1102. Theoretical bases of professional nursing practice for RN to BSN students. <i>Fall, Spring.</i></p> | <p>NUR 4493 CON-NURS 3(3,0) Perinatal Loss and Grief: Nursing Interventions: PR: Admission to the Nursing Program, RN licensure, or C.I. Nursing interventions for individuals and families experiencing perinatal loss and grief. <i>Occasional.</i></p> | <p>NUR 4906 CON-NURS Variable Independent Study: Directed Study. Graded S/U or Letter grade. May be repeated for credit. <i>Occasional.</i></p> |
| <p>NUR 3806 CON-NURS 1(1,0) Professional Socialization Seminar: PR: NUR 3065 and C.I. Application of library utilization and professional writing skills, critical thinking and stress management principles to the beginning role of the professional nurse. <i>Spring.</i></p> | <p>NUR 4550 CON-NURS 3(3,0) Family and Interpersonal Violence: Perspectives for Nurses: PR: PSY 2012, SYG 2000 and enrollment in a nursing program or C.I. Family and interpersonal violence education to increase effective nursing responses including: history, categories, cycles, laws, intervention, nursing resources, protocols and resources. <i>Occasional.</i></p> | <p>NUR 4907H CON-NURS 3(3,0) Directed Reading/Research-Honors: PR: Permission of Honors and admission to major. The student will review and synthesize literature on a selected topic in preparation for the Honors Thesis or Project. Graded S/U or Letter grade. <i>Occasional.</i></p> |
| <p>NUR 4604L CON-NURS 4(0,12) Practicum in Community and Public Health Nursing for RNs: PR: NUR 3634, CR: NUR 4837, NUR 4827, and NUR 4XXX Public Health Nursing. 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. <i>Fall, Spring.</i></p> | <p>NUR 4930 CON-NURS 3(3,0) Health Issues in Minority and Special Populations: PR: Nursing Majors/Junior Level, or C.I. Identify and critically analyze structural and socio-cultural factors that influence the health of minorities and special populations. <i>Occasional.</i></p> | <p>NUR 4934 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. <i>Occasional.</i></p> |
| <p>NUR 4936 CON-NURS 3(3,0) Women's Health Issues: PR: ENC 1102, Junior standing, or C.I. Factors and conditions impacting the health of women. May be repeated for credit. <i>Fall.</i></p> | <p>NUR 4936 CON-NURS 3(3,0) Women's Health Issues: PR: ENC 1102, Junior standing, or C.I. Factors and conditions impacting the health of women. May be repeated for credit. <i>Fall.</i></p> | <p>NUR 4936 CON-NURS 3(3,0) Women's Health Issues: PR: ENC 1102, Junior standing, or C.I. Factors and conditions impacting the health of women. May be repeated for credit. <i>Fall.</i></p> |

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| NUR 4942L | CON-NURS | 3(0,3) | OSE 5313 | OPT-OPT | 3(3,0) | PAD 4144 | HPA-PUB | 3(3,0) |
| Nursing Practicum for International Students: PR: CI (Consent of Instructor). In-depth study of clinical nursing practice for international students. Graded S/U. May be used in the degree program a maximum of 2 times. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Non-Profit Organizations: PR: PAD 3003 or C.I. The operations of non profit organizations, including working with board of directors, volunteer services, fund-raising and grantsmanship, financial management and marketing. <i>Fall, Spring.</i> | | |
| NUR 4945L | CON-NURS | 4(0,4) | OSE 5414 | OPT-OPT | 3(3,0) | PAD 4147 | HPA-PUB | 3(3,0) |
| Nursing Practicum: PR: Admission to the BSN program; STA 2014C or 2023; for Basic program successful completion of the first three semesters; for RN to BSN students: NUR 3805 and RN status or CI. Designed to enhance student's knowledge and expertise in an area of nursing practice chosen by the student and school of nursing faculty. Graded S/U. <i>Spring.</i> | | | Fundamentals of Optoelectronic Devices: PR: Graduate standing or C.I. Operation, methods of fabrication, applications, and limitations of various optoelectronic devices including quantum well semiconductor devices. <i>Even Fall.</i> | | | Resource Development in the Nonprofit Sector: PR: Junior status or C.I. Examination of the development and management of human resources and financial resource development in nonprofit organizations is discussed. <i>Fall.</i> | | |
| NUR 4971H | CON-NURS | 3(3,0) | OSE 5511 | OPT-OPT | 3(3,0) | PAD 4148 | HPA-PUB | 3(3,0) |
| Thesis or Project Works-Honors: PR: Permission of Honors. This course provides students with faculty mentoring through the process of writing and defending the Honors Thesis or Project. <i>Occasional.</i> | | | Laser Principles: PR: PHY 3101, MAP 2302, PHY 4424, graduate status or senior standing, or C.I. Classical introduction to the basic principles of laser gain media, properties of resonators and modes, description of specific laser systems. <i>Occasional.</i> | | | Volunteer Management: PR: Junior status or C.I. Examination of recruitment, selection, training and management of volunteers in nonprofit organizations and the application of management theory. <i>Spring.</i> | | |
| OCE 3008 | COS-BIOL | 3(3,0) | OSE 5630C | OPT-OPT | 3(2,1) | PAD 4153 | HPA-PUB | 3(3,0) |
| Oceanography: PR: BSC 2010C, CHM 2045C, and CHM 2046. Biological, physical and chemical oceanography. <i>Occasional.</i> | | | Thin Film Optics: PR: PHY 4424 or EEL 4440 and OSE 5041 or OSE 5630C. Principles of thin film optics and its applications in optical, electro-optical, and laser systems. <i>Occasional.</i> | | | 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. <i>Fall.</i> | | |
| OSE 3490 | OPT-OPT | 3(3,0) | PAD 3003 | HPA-PUB | 3(3,0) | PAD 4204 | HPA-PUB | 3(3,0) |
| Nanophotonics: PR: PHY 2049 or C.I. Optical/photonic processes on nano scale and interactions with elements of physics & engineering. <i>Occasional.</i> | | | Public Administration in American Society: PR: POS 2041. An examination of the basic environment, culture, and organization of public administration in the United States. <i>Fall, Spring.</i> | | | Fiscal Management: PR: C.I. Analysis of methods of securing public funds, the process of budget making, and techniques of management used in managing public funds. <i>Fall, Spring.</i> | | |
| OSE 5041 | OPT-OPT | 3(3,0) | PAD 3040 | HPA-PUB | 3(3,0) | PAD 4223 | HPA-PUB | 3(3,0) |
| Introduction to Wave Optics: PR: EEL 4440 or PHY 4424 or C.I. Electromagnetic foundation of light waves as applied to reflection, diffraction, interference, polarization, coherence, and guided waves. <i>Occasional.</i> | | | Ethics and Values in Public Administration: PR: Junior standing or C.I. Ethical dimensions of public administration. Develops the awareness, skills, and value framework to act ethically. <i>Occasional.</i> | | | Public Budgeting: Skills and Techniques: PR: PAD 4204 or C.I. Analytical skills and administrative techniques employed by public budget analysis, focusing on the process of generating and using information. <i>Occasional.</i> | | |
| OSE 5050 | OPT-OPT | 3(3,0) | PAD 3330 | HPA-PUB | 3(3,0) | PAD 4253 | HPA-PUB | 3(3,0) |
| Fundamentals and Applications of Photonics: PR: Graduate standing or C.I. Introduction to optics and photonics emphasizing the concepts governing applications of current interest for science and engineering senior and first-year graduate students and working scientists and engineers. <i>Occasional.</i> | | | Urban and Regional Planning: PR: PAD 3003 or CI. Planning topics such as land-use, and comprehensive and urban planning as they relate to the physical aspects of the natural and human environment. <i>Fall, Spring.</i> | | | Community & Economic Development: PR: PAD 3003 or C.I. This course will examine local and regional economic development strategies, with an emphasis on effective policy setting and planning. <i>Fall.</i> | | |
| OSE 5051L | OPT-OPT | 3(1,4) | PAD 3930 | HPA-HPA | 1(1,0) | PAD 4325 | HPA-PUB | 3(3,0) |
| Electro-Optics Laboratory: PR: EEL 4440 or OSE 5041 or C.I. Study of laboratory techniques for optical measurements and performance of measurements on electro-optic devices to determine operational characteristics. <i>Occasional.</i> | | | 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 non-profit competencies to prepare students for management and leadership positions in human services. Student Association activities included. May be repeated for credit. <i>Fall, Spring.</i> | | | Program Evaluation for Public and Non-Profit Organizations: PR: PAD 3003 or C.I. To develop an understanding of program evaluation and to apply the process by developing a program evaluation for a program. <i>Spring.</i> | | |
| OSE 5115 | OPT-OPT | 3(3,0) | PAD 4034 | HPA-PUB | 3(3,0) | PAD 4331 | HPA-PUB | 3(3,0) |
| Interference and Diffraction: PR: Graduate status or senior standing, or C.I. Interference of light, optical interferometry, Fraunhofer and Fresnel scalar diffraction, diffraction gratings, temporal coherence, spatial coherence, and partial coherence. <i>Fall, Odd Spring.</i> | | | 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. <i>Fall, Spring.</i> | | | Land Use and Planning: PR: PAD 3330 or CI. The study of land use and planning to include zoning variances, non-conformities, development agreements, subdivision controls, redevelopment and sprawl. <i>Fall.</i> | | |
| OSE 5203 | OPT-OPT | 3(3,0) | PAD 4104 | HPA-PUB | 3(3,0) | PAD 4334 | HPA-PUB | 3(3,0) |
| Fundamentals of Applied Optics: PR: Graduate standing or C.I. Fundamentals of Geometrical Optics, Geometrical Theory of Image Formation, Optical System Layout, Radiometry. <i>Fall, Odd Spring.</i> | | | 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. <i>Fall, Spring.</i> | | | Urban Design: CR: PAD 3330 or C.I. Theories and concepts of the physical, cultural, social and financial factors associated with urban design. <i>Spring.</i> | | |
| OSE 5234L | OPT-OPT | 3(1,3) | PAD 4110 | HPA-PUB | 3(3,0) | PAD 4351 | HPA-PUB | 3(3,0) |
| Applied Optics Laboratory: PR: Graduate Standing or C.I. Laboratory Techniques for observing optical phenomena and quantitative experimental study of geometrical optics, optical interferometry, diffraction, and image processing. <i>Odd Spring.</i> | | | 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. <i>Fall.</i> | | | Issues in Environmental Program Management: CR: PAD 3330. The study of environmental policy making processes, programs, and problems through lectures, field study, and research projects. <i>Spring.</i> | | |
| OSE 5312 | OPT-OPT | 3(3,0) | PAD 4131 | HPA-PUB | 3(3,0) | PAD 4390 | HPA-PUB | 3(3,0) |
| Fundamentals of Optical Science: PR: Graduate standing or C.I. Microscopic theory of absorption, dispersion, and refraction of materials; wave propagation, introduction to lasers and nonlinear optics. <i>Even Fall, Odd Spring.</i> | | | 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. <i>Occasional.</i> | | | Hazard Mitigation and Preparedness: PR: PR or CR: PAD 4392. Specialized knowledge and skills necessary to develop a proactive hazard mitigation plan to reduce the effects of natural and technological disasters. <i>Fall.</i> | | |
| | | | | | | PAD 4392 | HPA-PUB | 3(3,0) |
| | | | | | | Emergency Management and Homeland Security: PR: PAD 3003 or C.I. After a public emergency, a variety of services must be provided to the victims. This course reviews and analyzes coordination and management of these services. <i>Fall.</i> | | |

UCF Courses and Descriptions

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|----------|---------|----------|---|-----------|---------|--------|---|-----------|----------|--------|--|
| PAD 4395 | HPA-PUB | 3(3,0) | Disaster Response and Recovery: PR: PR or CR: PAD 4392. Individual, group, organizations and community behavior and recovery from disasters. Service delivery strategies are highlighted and complex dynamics of the recovery process are emphasized. <i>Spring.</i> | PAD 5146 | HPA-PUB | 3(3,0) | Nonprofit Resource Development: PR: Admission to Master of Nonprofit Management degree, Nonprofit Certificate or C.I. Examines human resource development and financial resource development in nonprofit organizations including management issues. <i>Fall, Spring.</i> | PAZ 5235 | COS-BIOL | 3(3,0) | Zoo and Aquarium Biology Management: PR: Successful completion of PCB 3044 and PCB 3063 and C.I. Conservation, propagation and exhibition of wild animals in captivity. <i>Occasional.</i> |
| PAD 4414 | HPA-PUB | 3(3,0) | Public Personnel Administration: The history, operating components, structural characteristics, and increasing impact of laws and related sanctions on personnel practices of public agencies. <i>Fall, Spring.</i> | 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. <i>Fall.</i> | PCB 3023 | COS-BIOL | 3(3,0) | Molecular Cell Biology: PR: BSC 2010C, CHM 2210, and PCB 3063, or C.I. Molecular structure and function of eukaryotic organelles. Transcription: RNA processing, translation and post translation targeting and modification of gene products. <i>Fall, Odd Spring.</i> |
| PAD 4446 | HPA-PUB | 3(3,0) | Multiculturalism in Public Administration: PR: PAD 3003 or C.I. This course is designed to help public managers examine public and personal attitudes and values, ethical dilemmas, and social consequences related to issues of diversity. <i>Occasional.</i> | 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. <i>Fall.</i> | 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. <i>Occasional.</i> |
| PAD 4461 | HPA-PUB | 3(3,0) | Reengineering Government: PR: PAD 3003. Acquaint undergraduate students with the latest thinking on improving the effectiveness and efficiency of public organizations via reengineering. <i>Occasional.</i> | 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. <i>Spring.</i> | 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. <i>Fall.</i> |
| PAD 4616 | HPA-PUB | 3(3,0) | Privatization: PR: PAD 3003 or C.I. Analysis of the process of privatizing existing governmental services., including: privatization decision, creation of RFP or ITB, contract award and contract management. <i>Occasional.</i> | 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. <i>Spring.</i> | PCB 3044L | COS-BIOL | 1(0,3) | Principles of Ecology Laboratory: PR: or CR: PCB 3044 or C.I. Field and laboratory investigations of natural ecosystems, with emphasis on current methodology in ecology. <i>Fall.</i> M&S fee: \$15.00 |
| 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. <i>Spring.</i> | 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. <i>Occasional.</i> | 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. <i>Fall, Spring.</i> |
| 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. <i>Fall, Spring.</i> | 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. <i>Occasional.</i> | 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. <i>Occasional.</i> |
| 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. <i>Occasional.</i> | PAD 5806 | HPA-PUB | 3(3,0) | Local Government Operations: Operational Functions of municipal and county governments and the role of the chief executive officer. <i>Occasional.</i> | PCB 3063L | COS-BIOL | 1(0,3) | Genetics Laboratory: PR: PR or CR: PCB 3063 or C.I. Introduction to laboratory techniques of genetics. <i>Fall, Spring.</i> M&S fee: \$28.00 |
| PAD 4941 | HPA-PUB | 3-6(0,6) | Public Administration Internship: PR: C.I. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, planning, budget, and fiscal, procurement, and public safety. Graded S/U. <i>Occasional.</i> | PAD 5807 | 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. <i>Occasional.</i> | PCB 3233 | COM-M&M | 3(3,0) | Immunology: PR: BSC 2010C. Basic principles of immune reactions, antigen antibody interactions, cell mediated immunity, tumor immunology, and immuno therapy. <i>Fall.</i> |
| PAD 4948 | HPA-PUB | 3(0,3) | American Humanics Internship: PR: Enrollment in American Humanics AH Certification Program, completion of 2 AH restricted course electives and approval of AH Campus Director. Supervised internship to demonstrate AH identified competencies for students in American Humanics certification program. Requires minimum of 300 hours placement in nonprofit human services organization. May be repeated for credit. <i>Fall, Spring.</i> | PAD 5850 | HPA-PUB | 3(3,0) | Grant and Contract Management: PR: Admission to the Master of Nonprofit Management degree, Nonprofit certificate or C.I. Study of government or public nonprofit agency grant and contract administration and management responding to funding assistance solicitations and grant and contract preparation, evaluation, and presentation. <i>Fall, Spring.</i> | PCB 3233L | COM-M&M | 1(0,3) | Immunology Laboratory: CR: PCB 3233. Introduction to laboratory techniques in immunology. <i>Fall, Spring.</i> M&S fee: \$45.00 |
| PAD 5041 | HPA-PUB | 3(3,0) | Ethics and Values in Public Administration: Examination of ethics in the public sector. Public concerns, past patterns, and individual/social aspects of ethical behavior are explored. <i>Occasional.</i> | PAF 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. <i>Fall.</i> | PCB 3301C | COS-BIOL | 4(3,4) | Aquatic Biology: PR: BSC 2010C and BSC 2011C, or C.I. Plant and animal components of freshwater environments. <i>Occasional.</i> M&S fee: \$20.00 |
| 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. <i>Fall, Spring.</i> | PAF 3753H | HPA-HPA | 3(3,0) | Honors Ethical Issues in Health and Public Affairs: PR: Permission of Honors and junior standing. Ethical challenges and dilemmas inherent in the fields of Health, Social Work, Criminal Justice and Public Administration. With Honors content. <i>Occasional.</i> | PCB 3304C | COS-BIOL | 4(2,4) | River Ecology: PR: BSC 2011C or C.I. Ecology, limnology, and conservation of rivers with special emphasis on Florida water systems. <i>Occasional.</i> |
| | | | | PAF 3850H | HPA-HPA | 3(3,0) | Honors Research Methods in Health and Public Affairs: PR: Participating in University Honors or Honors in the Major and junior standing. Applied research methods in fields of Criminal Justice, Nursing, Health Professions, Public Administration, and Social Work. With honors content. <i>Occasional.</i> | PCB 3314 | COS-BIOL | 3(3,0) | Marine Bio Diversity: PR: BSC 2010C, CHM 2045C, and CHM 2046. The diversity of life in our oceans. <i>Occasional.</i> |
| | | | | | | | | 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. <i>Occasional.</i> |

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| PCB 3442 | COS-BIOL | 3(3,0) | PCB 4529 | COM-M&M | 3(3,0) | PCB 5665C | COS-BIOL | 4(3,2) |
| Florida Aquatic Ecology: PR: BSC 2010C and BSC 2011C, or C.I. An introduction to aquatic ecology of Florida with emphasis on ponds, lakes, streams, and rivers. <i>Occasional.</i> | | | Experimental Molecular Biology: PR: PCB 3522, CR: PCB 4524. Facilitation of experimental data that leads to the development and understanding of the underlying principles of molecular biology. <i>Spring.</i> | | | Human Genetics: PR: PCB 3063, graduate status or senior standing, or C.I. Human Genetics provides a theoretical framework for understanding the biology of the human species. <i>Occasional.</i> M&S fee: \$15.00 | | |
| PCB 3522 | COM-M&M | 3(3,0) | PCB 4683 | COS-BIOL | 4(4,0) | PCB 5935 | COS-BIOL | 3(3,0) |
| Molecular Biology I: PR: CHM 2211 and MCB 3020C or C.I. The general principles governing the structure and function of both prokaryotic and eukaryotic genes. <i>Fall, Spring.</i> | | | Evolutionary Biology: PR: A grade of "C" (2.0) or better in PCB 3044 and PCB 3063 or C.I. Demographic and genetic structure of populations and their relationship to speciation, adaptation, and macroevolutionary processes in plants and animals. <i>Fall, Spring.</i> | | | Current Research in Population Genetics and Evolution: PR: Genetics and Population Biology or graduate standing in Biology. Fundamentals of population genetics and application to evolutionary theory. <i>Occasional.</i> | | |
| PCB 3703C | COM-M&M | 4(3,3) | PCB 4683L | COS-BIOL | 1(0,2) | PCO 4203 | COS-PSYCH | 4(3,2) |
| Human Physiology: PR: BSC 2010C, CHM 1032 or CHM 2045C. The physiology and interrelationships of organ systems of the human body. <i>Fall, Spring.</i> M&S fee: \$35.00 | | | Evolutionary Biology Lab: PR: or CR: PCB 4683. Reading, problem solving and discussion on current topics in evolutionary biology. <i>Fall, Spring.</i> M&S fee: \$10.00 | | | Interviewing and Counseling: PR: PSY 2012, PPE 3003, CLP 3143 and C.I. A review of various interviewing and counseling theories and techniques used in Mental Health settings as well as practical experience in interviewing and counseling procedures. <i>Fall, Spring.</i> | | |
| PCB 3703H | COM-M&M | 4(3,3) | PCB 4723 | COS-BIOL | 4(4,0) | PEL 2011 | ED-CFCS | 2(1,1) |
| Human Physiology Honors: PR: BSC 2010C, CHM 2046 and consent of Honors College. The physiology and interrelationships of organ systems of the human body. With honors level content. <i>Fall.</i> | | | Animal Physiology: PR: PCB 3023 or C.I. Functions of body processes occurring in animals, with emphasis on vertebrate physiology. <i>Fall.</i> | | | Basic Volleyball and Softball: The analysis of offensive and defensive alignment, techniques, and strategies. <i>Occasional.</i> | | |
| PCB 4026 | COM-M&M | 3(3,0) | PCB 4805 | COM-M&M | 3(3,0) | PEL 2111 | ED-CFCS | 2(1,1) |
| Molecular and Cellular Pharmacology: PR: PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered. <i>Spring.</i> | | | Endocrinology: PR: PCB 3703C or equivalent; CHM 2211. Mechanisms of action of hormones; interrelationship between the nervous and endocrine systems. <i>Occasional.</i> | | | Bowling: A study of the fundamentals of bowling techniques and the development of skills based on those fundamentals. <i>Fall, Spring.</i> | | |
| PCB 4174 | COM-M&M | 3(3,0) | PCB 5025 | COM-M&M | 3(3,0) | PEL 2112 | ED-CFCS | 2(1,1) |
| Foundation of Bio-Imaging Science: PR: BSC 2010C, CHM 2045C, CHM 2210, MAC 2311, PHY 2049. Fundamental theory, design, and practice of modern bio-imaging techniques applicable for basic biomedical research. <i>Occasional.</i> | | | Molecular and Cellular Pharmacology: PR: Graduate standing, PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered. <i>Spring.</i> | | | 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. <i>Occasional.</i> | | |
| PCB 4239 | COM-M&M | 3(3,0) | PCB 5045C | COS-BIOL | 4(3,2) | PEL 2121 | ED-CFCS | 2(1,1) |
| Molecular Immunology: PR: PCB 3522. Advanced understanding of the workings of the immune system, correlating cellular and molecular mechanisms with clinical cases. <i>Spring.</i> | | | Conservation Biology: PR: PCB 3044 and PCB 3063 or C.I. Scientific basis of conservation; conservation of ecosystems, populations, exploited species, and endangered species. Weekend field trips are required. <i>Occasional.</i> M&S fee: \$15.00 | | | Beginning Golf: Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. <i>Fall, Spring.</i> | | |
| PCB 4251 | COM-M&M | 3(3,0) | PCB 5238 | COM-M&M | 3(3,0) | PEL 2122 | ED-CFCS | 2(1,1) |
| Tissue Engineering: PR: MCB 3020C or CHM 2045C. Tissue engineering with a special emphasis on the current status of the field, on novel methods and on cell-biomaterial interactions. <i>Occasional.</i> | | | Immunobiology: PR: PCB 3233, PCB 4239. Advanced topics in immune system dysregulation with special emphasis on innate immunity. <i>Spring.</i> | | | 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. <i>Occasional.</i> | | |
| PCB 4302C | COS-BIOL | 4(3,4) | PCB 5239 | COM-M&M | 3(3,0) | PEL 2341 | ED-CFCS | 2(1,1) |
| Physicochemical Limnology: PR: BSC 2010C and BSC 2011C, or C.I. Limnology and methods for freshwater ecology, with respect to physical, and chemical parameters. <i>Occasional.</i> M&S fee: \$15.00 | | | Tumor Biology: PR: PCB 4524. A course designed to provide an introduction and broad overview of the current knowledge and research in the field of cancer biology. <i>Occasional.</i> | | | Beginning Tennis: Performance and application of basic skills, rules and etiquette. Physiological and social values accruing from this lifetime sport. <i>Occasional.</i> | | |
| PCB 4303C | COS-BIOL | 4(3,4) | PCB 5275 | COM-M&M | 3(3,0) | PEL 2342 | ED-CFCS | 2(1,1) |
| Biological Limnology: PR: BSC 2010C and BSC 2011C, or C.I. Biological communities in freshwater lakes and streams. <i>Occasional.</i> M&S fee: \$20.00 | | | Signal Transduction Mechanics: PR: PCB 3522 and PCB 4524. A course emphasizing various signal transduction cascades used in mammalian cells to control growth and differentiation. Discussion of original research papers will occur. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| PCB 4353 | COS-BIOL | 3(3,0) | PCB 5326C | COS-BIOL | 5(3,2) | PEL 2640 | ED-CFCS | 2(1,1) |
| Florida Natural History: PR: BSC 2010C and BSC 2011C, or C.I. Florida's ecology, past and present flora and fauna, and naturalists who visited the state. <i>Occasional.</i> | | | Ecosystems of Florida: PR: PCB 3044, PCB 3044L or equivalent, and graduate status or senior standing or C.I. Ecosystems of Florida will be discussed to include geography, geology, climate, energetics, nutrient cycling, community structure and conservation. <i>Occasional.</i> M&S fee: \$15.00 | | | Basic Football and Basketball: The analysis of offensive and defensive alignment, techniques, and strategies. <i>Occasional.</i> | | |
| PCB 4514 | COS-BIOL | 3(3,0) | PCB 5435C | COS-BIOL | 4(2,6) | PEM 2101 | ED-CFCS | 2(1,1) |
| Genetics II: PR: PCB 3063. Advanced topics in Genetics, including extra-nuclear inheritance, epigenesis, gene and chromosome mutation, genetics of development and behavior, and advanced genetic analytical techniques. <i>Occasional.</i> | | | Marine Ecology of Florida: PR: BSC 4312C, graduate status or senior standing, or C.I. Survey of experimental methods used in the study of marine communities in central and southern Florida, combining field manipulation and readings from primary literature. <i>Odd Spring.</i> M&S fee: \$45.00 | | | Body Development: An in-depth study of individual physical (musculo-skeletal, neuromuscular, cardiorespiratory) fitness. Emphasis on individual diagnosis, principles, procedures, and conduct of related exercise programs. <i>Fall, Even Spring.</i> | | |
| PCB 4524 | COM-M&M | 3(3,0) | PCB 5485 | COS-BIOL | 3(3,0) | PEM 2104 | ED-CFCS | 3(2,1) |
| Molecular Biology II: PR: PCB 3522. The processes regulating gene function in prokaryotes and eukaryotes: specialized genetic aspects underlying multi-cellular existence, DNA evolution. <i>Spring.</i> | | | Models in Ecology: PR: PCB 3044, MAC 2311 (or equivalent), and graduate status or senior standing or C.I. A survey of how simulation models are applied to ecological questions of both a theoretical and managerial nature. <i>Occasional.</i> M&S fee: \$15.00 | | | 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. <i>Fall, Spring.</i> | | |
| PCB 4524H | COM-M&M | 3(3,0) | | | | PEM 2121C | ED-CFCS | 3(1,3) |
| Molecular Biology II-Honors: PR: Permission of Honors and PCB 3522. Same as PCB 4525 with honors level content. <i>Spring.</i> | | | | | | Yoga: Performance and application of a series of basic movement, breathing, and concentration techniques designed to enhance body awareness, flexibility, strength, and balance, and to allow the mind to be focused and centered. <i>Fall, Spring.</i> | | |

UCF Courses and Descriptions

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| PEM 2131 | ED-CFCS | 2(1,1) | PEP 3205 | ED-CFCS | 3(2,1) | PET 3740C | ED-CFCS | 2(1,1) |
| Strength Resistance Training: Study of fitness and strength development through resistance exercise. <i>Fall, Spring.</i> | | | Gymnastics: This course is designed to develop skill proficiency and instructional strategies in gymnastics. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| PEM 2171 | ED-CFCS | 2(1,1) | PET 2081 | ED-CFCS | 1(1,0) | PET 3765 | ED-CFCS | 3(3,0) |
| Aerobics: Appropriate rhythmical muscle toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, stretching, cool down, and heart rate. <i>Fall, Spring.</i> | | | Wellness, Children and Schools: Exploration and promotion of wellness for children in schools. <i>Fall, Spring.</i> | | | Coaching Theory: PR: Admitted to COE or CI. Theories of coaching team and individual sports. <i>Fall, Spring.</i> | | |
| PEM 2173 | ED-CFCS | 2(1,1) | PET 2622C | ED-CFCS | 3(2,1) | PET 3768 | ED-CFCS | 3(3,0) |
| Step Aerobics: Appropriate rhythmical muscle toning movements utilizing the step to develop aerobic fitness. Concepts taught include warm-up, flexibility, work-out, and cool-down. <i>Occasional.</i> | | | Human Injuries: PR: C.I. The prevention, identification, care, and rehabilitation of human injuries. <i>Fall, Spring.</i> | | | Group Exercise Instruction: PR: Admission to the B.S. in Sports and Fitness program or C.I. Requisite knowledge of a variety of group exercise instruction modalities. <i>Fall, Spring.</i> | | |
| PEM 2175 | ED-CFCS | 2(1,1) | PET 3084 | ED-CFCS | 3(3,0) | PET 3771 | ED-CFCS | 3(3,0) |
| 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. <i>Occasional.</i> | | | Triathlon Training and Performance: PR: PEM 2104 Personal Fitness or C.I. Triathlon concepts, training, and performance, leading to the development of optimal fitness and an improved healthy lifestyle. <i>Occasional.</i> | | | Fitness and Conditioning Concepts: PR: ZOO 3736C or C.I. The integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. <i>Fall.</i> | | |
| PEM 2405 | ED-CFCS | 3(1,2) | PET 3125 | ED-CFCS | 3(3,0) | PET 3820 | ED-CFCS | 3(2,1) |
| Self Defense for Women and Men: Designed to provide students with self defense skills. <i>Fall, Spring.</i> | | | Fitness and Weight Management: PR: Admission to Sports and Fitness Program or C.I. Provides current and future professionals with the requisite knowledge of fitness and weight management research, theories, and practice. <i>Spring.</i> | | | Teaching Sports Skills I: PR: PEO 2011 or PEO 2031. Skill proficiency and knowledge to plan, implement and evaluate sports and leisure activities in physical education programs. <i>Occasional.</i> | | |
| PEM 2443 | ED-CFCS | 2(1,2) | PET 3137 | ED-CFCS | 3(3,0) | PET 3940 | ED-CFCS | 3(3,0) |
| Tae Kwon Do: An analysis and application of the martial arts, as part of an overall physical and mental training system. <i>Occasional.</i> | | | Concepts & Practices in Sports and Fitness: PR: Admission to the program or C.I. Examination of concepts and practices in sports and fitness. <i>Fall.</i> | | | Internship I Physical Education: PR: EDG 4323; CR: PET 3930. Student teaching in a physical education program under the supervision of a certified classroom teacher. <i>Occasional.</i> | | |
| PEM 5408C | ED-CFCS | 3(2,1) | PET 3214 | COS-PSYCH | 3(3,0) | PET 3941 | ED-CFCS | 6(0,16) |
| 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. <i>Occasional.</i> | | | Sports Psychology: A review of principles of psychology related to the enhancement of satisfaction and performance in sports. <i>Occasional.</i> | | | Internship I: PR: Senior standing. EDG 4323. Satisfactory completion of the portfolio. Internship assignment under a certified physical education teacher. Half in elementary, half in secondary. <i>Occasional.</i> | | |
| PEN 1121 | ED-CFCS | 2(1,1) | PET 3361 | ED-CFCS | 3(3,0) | PET 4002 | ED-CFCS | 3(1,2) |
| Elementary Swimming: For non-swimmers and beginning swimmers. Development and study of technique in the basic skills of water safety and swimming. <i>Occasional.</i> | | | Nutrition for Sports and Fitness: PR: ZOO 3736C or C.I. Study of nutrition with focus on the strategies designed to meet nutrient demands for physical activity, exercise, and athletic performance in sports and fitness. <i>Fall.</i> | | | Outdoor and Leisure Activities: Study of contemporary outdoor and leisure activities. Course will include but not be limited to the "adventure activity curriculum," camping, water activities, fishing, orienteering, hiking. <i>Occasional.</i> | | |
| PEO 2011 | ED-CFCS | 3(2,1) | PET 3510C | HPA-HP | 3(2,1) | PET 4050C | 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. <i>Fall, Spring.</i> M&S fee: \$5.00 | | | Physiologic & Metabolic Basis of Human Movement & Performance: PR: Admission to Health Sciences - Athletic Training Track. Exercise physiology, drugs & nutrition, and performance & injury; each focusing on the key elements for the application of athletic training principles. <i>Fall.</i> | | | Motor Development and Learning: PR: PE Junior standing. An analysis of the theories and factors influencing the motor development of children and the learning of gross and fine motor skills. <i>Fall, Spring.</i> | | |
| PEO 2031 | ED-CFCS | 3(2,1) | PET 3620 | HPA-HP | 3(3,0) | PET 4083 | ED-CFCS | 3(3,0) |
| Individual Sports: Skill proficiency and knowledge to plan, implement and evaluate individual sports. <i>Fall, Spring.</i> M&S fee: \$9.00 | | | Principles of Athletic Training: PR: PCB 3703C, ZOO 3733C, CHM 2045C, or C.I. Athletic Training majors only. Athletic training principles including injury recognition, emergency care, bloodborne pathogens, rehabilitation and prevention. <i>Occasional.</i> M&S fee: \$15.00 | | | Practical Fitness Training: PR: Admission to Sports and Fitness major or Fitness, Coaching, or Recreation minor or C.I. An in-depth study into fitness-related concepts as they are applied to individuals and groups. <i>Even Spring.</i> | | |
| PEO 2624 | ED-CFCS | 3(2,1) | PET 3623C | HPA-HP | 3(2,2) | PET 4088 | ED-CFCS | 3(3,0) |
| Coaching Basketball: Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. <i>Fall.</i> | | | Recognition and Evaluation of Athletic Injuries I: PR: PET 3620. Recognition and evaluation skills required to perform an injury/illness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. <i>Spring.</i> | | | Physical Activity & Preventive Medicine: PR: ZOO 3736C or C.I. Critique and analysis of evidence that exercise training can prevent some diseases and increase quality of life. <i>Occasional.</i> | | |
| PEO 3041 | ED-CFCS | 3(3,0) | PET 3633C | HPA-HP | 2(1,1) | PET 4215 | ED-CFCS | 3(3,0) |
| Games Analysis: PR: Admission to Physical Education program and Jr. Standing or C.I. Teaching methodology utilizing games for specific outcome behaviors in grades K-12. <i>Occasional.</i> | | | Clinical Skills for Athletic Trainers: PR: Athletic Training majors only. PET 4603C or C.I. Clinical skills including functional knowledge of muscle, tendon, and ligament anatomy; advanced taping and bracing skills; and clinical assessment skills. <i>Fall.</i> M&S fee: \$30.81 | | | 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. <i>Fall, Spring.</i> | | |
| PEO 3324 | ED-CFCS | 3(2,1) | PET 3670L | HPA-HP | 4(0,16) | PET 4312 | ED-CFCS | 3(2,1) |
| Coaching Volleyball: Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. <i>Spring.</i> | | | Practicum in Athletic Training I: PR: PET 3620. Clinical introduction to an athletic training site under direct supervision of a certified athletic trainer. <i>Fall, Spring.</i> | | | Biomechanics: PR: Anatomy. The comprehension and application of anatomical and mechanical principles involved in human movement. <i>Fall.</i> | | |
| PEO 3644 | ED-CFCS | 3(2,1) | PET 3671L | HPA-HP | 4(0,16) | PET 4315C | HPA-HP | 3(2,2) |
| Coaching Football: Theory and methods of coaching football, including the analysis of offensive and defensive techniques and strategies. <i>Occasional.</i> | | | Practicum in Athletic Training II: PR: PET 3670L. Continuation of clinical practicum under direct supervision of certified athletic trainer. <i>Fall, Spring.</i> | | | Biomechanics of Sport: PR: PET 4630C. Assessment and recognition of physiological and mechanical aspects of sports and injuries. <i>Fall, Spring.</i> | | |
| PEO 5645C | ED-CFCS | 3(2,1) | | | | | | |
| Coaching Football: PR: C.I. Advanced principles and methods common to the coaching of football. Includes teaching and training methods, organization, motivation and strategies. <i>Occasional.</i> | | | | | | | | |

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| PET 4351C | ED-CFCS | 3(2,1) | PET 4673L | HPA-HP | 4(0,16) | PET 5931 | ED-CFCS | 3(3,0) |
| Applied Exercise and Human Physiology: PR: ZOO 3733C, ZOO 3736C or appropriate human anatomy course. Metabolic, neuromuscular, respiratory and cardiovascular physiological concepts and principles with practical application to physical education and sport. <i>Fall, Spring.</i> | | | Practicum in Athletic Training IV: PR: PET 4672C. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. <i>Fall, Spring.</i> | | | Current Issues and Trends in Physical Education and Sport: PR: Admission to the Physical Education Graduate Program or C.I. Examination of the current issues and trends encountered by professionals in physical education and sport. <i>Occasional.</i> | | |
| PET 4401 | ED-CFCS | 3(3,0) | PET 4674 | HPA-HP | 1(1,0) | PGY 2401C | CAH-ART | 3(3,2) |
| Administration and Evaluation in Physical Education: This course is designed to address administrative, measurement and evaluation considerations of physical education programs. <i>Fall, Spring.</i> | | | Athletic Training Seminar: PR: PET 4632C, PET 4632C, and Senior standing. National Examination review and introduction to related allied health professionals. <i>Spring.</i> | | | Beginning Photography: PR: ART 2201C, ART 2300C or C.I. Introduction to photography with an art emphasis. <i>Fall.</i> M&S fee: \$45.00 | | |
| PET 4550 | ED-CFCS | 3(2,1) | PET 4710 | ED-CFCS | 3(3,0) | PGY 3002 | CAH-ART | 3(3,0) |
| Fitness Assessment: PR: ZOO 3736C or C.I. A study and acquisition of health related fitness, exercise strategies and related assessment techniques. <i>Occasional.</i> | | | Teaching Physical Education K-12: PR: Must be admitted to internship. Develop effective instructional skills through planning, teaching, and assessment. Curricular and instructional considerations for teaching Physical Education. <i>Odd Fall, Even Spring.</i> | | | Contemporary Photography: PR: ARH 3711 or C.I. Late 20th and 21st century (1970's-present) contemporary movements in photography, special emphasis on issues and ideas relative to contemporary image making. <i>Occasional.</i> | | |
| PET 4603C | HPA-HP | 3(2,2) | PET 4724 | ED-CFCS | 3(3,0) | PGY 3205 | CAH-ART | 3(3,0) |
| 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. <i>Occasional.</i> M&S fee: \$33.50 | | | 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. <i>Occasional.</i> | | | Photographic Lighting Techniques: PR: PGY 2107, PGY 2215 or C.I. Advanced lighting techniques in both the studio and on location, with projects in the editorial, advertising, or fine art genres. <i>Occasional.</i> M&S fee: \$45.00 | | |
| PET 4604 | HPA-HP | 3(3,0) | PET 4763 | ED-CFCS | 3(3,0) | PGY 3324 | CAH-ART | 3(3,0) |
| Sports Medicine Field Application: Demonstration and application of the treatment for various sports injuries. <i>Spring.</i> | | | Coaching Methods And Principles: PR: Junior standing, Coaching minor or C.I. Assist students in understanding and conceptually integrating teaching methods/coaching strategies with emphasis given to conditioning and leadership styles. <i>Occasional.</i> | | | The Professional Environment: PR: ARH 3711, PGY 3002, or C.I. The world of professional photography, exploring various topics such as legal and ethical issues, marketing and self-promotion strategies. <i>Occasional.</i> | | |
| PET 4606 | HPA-HP | 3(3,0) | PET 4823C | ED-CFCS | 3(2,1) | PGY 3410C | CAH-ART | 3(3,2) |
| Applied Fitness in Sport: PR: PET 3671L. Appreciation and clinical application of fitness regarding athletics. <i>Spring.</i> | | | Teaching Sports Skills II: PR: PET 3820. Skill, proficiency and knowledge to plan, implement and evaluate sports skills. <i>Odd Fall, Even Spring.</i> | | | Intermediate Photography: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2401C. Intermediate camera and darkroom practice designed for art majors with studio skills. <i>Spring.</i> M&S fee: \$45.00 | | |
| PET 4624C | HPA-HP | 3(2,2) | PET 4925 | ED-CFCS | 3-6(0,16) | PGY 3451 | CAH-ART | 3(3,0) |
| Recognition and Evaluation of Athletic Injuries II: PR: PET 3620 and PET 3623C. Recognition and evaluation skills required to perform an injury/illness assessment of the lower extremity and spine and provide immediate management. <i>Fall.</i> | | | Sports and Fitness Practicum I: PR: Overall GPA of 2.5 and completion of 2/3 of the Sports and Fitness program requirements. Field experience in a sports and fitness related organization. <i>Occasional.</i> | | | Alternative Processes: PR: PGY 4472 or C.I. 19th century photographic processes with related contemporary non-traditional methods of image creation and presentation. <i>Occasional.</i> M&S fee: \$45.00 | | |
| PET 4625 | ED-CFCS | 3(3,0) | PET 4926 | ED-CFCS | 9-12(0,35) | PGY 3480 | CAH-ART | 3(3,0) |
| Human Injuries: Mechanisms & Prevention: PR: PET 2622C and ZOO 3736C or C.I. Study of human movement and analysis of techniques for the prevention and treatment of human injuries associated with sports and fitness. <i>Fall.</i> | | | Sports and Fitness Practicum II: PR: Sports & Fitness Practicum I and overall GPA of 2.5. Field experience in a sports and fitness related organization, association, or business. <i>Occasional.</i> | | | Photographic Exhibition and Display: PR: ARH 3711, PGY 3002, PGY 3324 or C.I. The museum environment, focusing on the acquisition and display of photographic materials as well as curatorial functions facing contemporary museums. <i>Occasional.</i> | | |
| PET 4630C | HPA-HP | 4(2,4) | PET 4943 | ED-CFCS | 12(0,35) | PGY 3610C | COS-COMM | 3(1,4) |
| Therapeutic Exercise in Athletic Training: PR: PET 3623C. Rehabilitation processes regarding exercise progression for athletic injury. <i>Occasional.</i> | | | Internship II: PR: Must have completed course work in specialization. Satisfactory completion of the portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Graded S/U. May be repeated for credit. <i>Occasional.</i> | | | Photojournalism I: PR: Journalism majors only. Black and white shooting and processing, dark room and computer-based newspaper assignments. 35 MM SLR camera with manual mode required. <i>Fall, Spring.</i> M&S fee: \$45.00 | | |
| PET 4632C | HPA-HP | 4(2,4) | PET 4945 | ED-CFCS | 12(0,35) | PGY 3620C | COS-COMM | 3(1,2) |
| Therapeutic Modalities in Athletic Training: PR: PET 4624C. Principles and techniques for applying therapeutic modalities. <i>Occasional.</i> | | | Internship II: PR: Must have completed course work in specialization. Satisfactory completion of portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. <i>Occasional.</i> | | | Photojournalism II: PR: PGY 3610C. The Picture Story. Individual and group projects for extended documentary coverage. <i>Odd Spring.</i> M&S fee: \$45.00 | | |
| PET 4636C | HPA-HP | 2(1,1) | PET 5355 | ED-CFCS | 3(3,0) | PGY 3630 | COS-COMM | 3(3,0) |
| Advanced Rehabilitation in Athletic Training: PR: Athletic Training majors only. PET 4630C or C.I. Advanced knowledge, skills, and techniques that the certified athletic trainer must perform during rehabilitation of injuries. <i>Fall.</i> | | | Exercise and Health: PR: Admission to Master's Program or Certificate Program. Will provide educators an in-depth understanding of energy pathways, and neuromuscular, cardiovascular, and respiratory systems during exercise. Emphasis on understanding principles of exercise adaptations and applying those principles to fitness/wellness settings. <i>Occasional.</i> | | | Photojournalism III: PR: PGY 3620C. Photography Editing. Assignment selection, picture and copy editing, cropping, picture desk management, and ethics of photojournalism, and the new technological advances. <i>Occasional.</i> M&S fee: \$11.00 | | |
| PET 4640 | ED-CFCS | 3(3,0) | PET 5635 | ED-CFCS | 3(3,0) | PGY 3751 | CAH-ART | 3(3,0) |
| Adapted Physical Education: Principles and methods of adapting physical education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. <i>Spring.</i> | | | Advanced Human Injuries: PR: PET 2622C or C.I. The application of medical knowledge to sport with the emphasis on preserving the health of an athlete before, during and after performance. <i>Occasional.</i> | | | Videography: PR: PGY 3821 or C.I. Creation of video narratives using the digital environment. <i>Occasional.</i> | | |
| PET 4660C | HPA-HP | 3(3,0) | PET 5766 | ED-CFCS | 3(3,0) | PGY 3809 | CAH-ART | 3(3,0) |
| Organization and Administration of Athletic Training: PR: PET 3671L. Administrative knowledge in the athletic training profession. <i>Fall.</i> | | | Advanced Coaching Theory: PR: C.I. Advanced study of theories and methods of coaching for optimum sports performance. <i>Occasional.</i> | | | Photography and Web Design: PR: PGY 3821 or C.I. Advanced issues in digital imaging, emphasis on professional output solutions for the photographer such as web as an interface, large format printing, and film recorder. <i>Occasional.</i> M&S fee: \$45.00 | | |
| PET 4672L | HPA-HP | 4(0,16) | | | | PGY 3821 | CAH-ART | 3(3,0) |
| Practicum in Athletic Training III: PR: PET 3671L. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. <i>Fall, Spring.</i> | | | | | | Digital Imagery for Photography: PR: PGY 1806 or C.I. Current digital imaging software and its application to contemporary work. <i>Occasional.</i> M&S fee: \$45.00 | | |

UCF Courses and Descriptions

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| PGY 4003 CAH-ART 3(3,0) Image, Culture, and Society: PR: PGY 3002 or C.I. The role of the media and media imagery in culture and society. <i>Occasional.</i> | PHH 3600 CAH-PHIL 3(3,0) Contemporary Philosophy: PR: PHI 2010 or C.I. Recent and current trends in philosophy, including philosophical analysis, phenomenology, structuralism, post-structuralism, and liberation philosophies. <i>Occasional.</i> | 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 personhood, and the relation of psychology to neurobiology. <i>Occasional.</i> |
| PGY 4228 CAH-ART 3(3,0) Advanced Illustrative Photography: PR: PGY 3205 or C.I. Various avenues of photographic illustration, including lighting, historical and contemporary issues, style, presentation, and social concerns. <i>Occasional.</i> M&S fee: \$45.00 | 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. <i>Even Spring.</i> | PHI 3323 CAH-PHIL 3(3,0) Minds and Machines:Philosophy of Cognitive Science: PR: PHI 2010 or C.I. Assumptions undergirding research in Cognitive Science. <i>Fall, Odd Spring.</i> |
| PGY 4420C CAH-ART 3(2,3) Advanced Photography: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2410C, and a satisfactory portfolio review or C.I.; Or, admission to the Photography program. Advanced photography skills and portfolio development. Designed for art majors. May be repeated for credit. <i>Fall, Spring.</i> M&S fee: \$45.00 | 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. <i>Even Fall.</i> | 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. <i>Occasional.</i> |
| PGY 4440C CAH-ART 3(2,3) Special Problems in Photography: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2410C, and a satisfactory portfolio review or C.I.; Or, admission to the Photography program. Designed for upper division art majors with photography concentration. A series of directed photographic problems of a research nature. <i>Occasional.</i> M&S fee: \$20.00 | PHI 2010 CAH-PHIL 3(3,0) Introduction to Philosophy: Inquiry into the meaning and justification of fundamental ideas and beliefs concerning reality, knowledge, and values; application to relevant topics in ethics, religion, and politics. <i>Fall, Spring.</i> | PHI 3601 CAH-PHIL 1(1,0) Practical Wisdom: A radio course in applied ethics which focuses on the human good, dealing with the relationship between means and ends and how they define one another. <i>Occasional.</i> |
| PGY 4471 CAH-ART 3(3,0) Photography Thesis: PR: PGY 3324, PGY 4003, or C.I. Senior thesis project culminating in a public exhibition or portfolio presentation. <i>Occasional.</i> | PHI 2010H CAH-PHIL 3(3,0) Honors Introduction to Philosophy: PR: Permission of Honors. Same as PHI 2010 with honors-level content. <i>Fall.</i> | PHI 3625 CAH-PHIL 3(3,0) Virtual Ethics: PR: COP 3502C or DIG 2000 or C.I. Ethics of virtual worlds as contrasted to the physical world, the use of simulation, virtual environments, and modeling in philosophy, especially in ethics. <i>Occasional.</i> |
| PGY 4472 CAH-ART 3(3,0) Photography Workshop/Project: PR: PGY 2655, PGY 2216 or C.I. Student personal projects incorporating photographic imagery. Emphasis is on purposeful and well-conceived self-expression and discovery. <i>Occasional.</i> M&S fee: \$45.00 | PHI 2011 CAH-PHIL 3(3,0) Philosophical Reasoning: A study of reasoning in philosophy: the role of inconsistency, infinite regress arguments, modeling, and system building, discovery procedures, diagonalization, and contract and paradigm case arguments. <i>Occasional.</i> | PHI 3626 CAH-PHIL 3(3,0) Advanced Ethics in Science and Technology: PR: COP 3502C or DIG 2000 or PHI 2647. Critical thinking applied to ethics in science and technology. <i>Fall, Spring.</i> |
| PGY 5108C CAH-ART 3(2,4) Advanced Techniques and Concepts in Photography: PR: PGY 2401C, PGY 3410C and PGY 4420C, or admission into MFA Graduate Program. Advanced techniques and concepts in photography, introducing historic and contemporary photographic works. May be used in the degree program a maximum of 3 times. <i>Occasional.</i> | PHI 2101 CAH-PHIL 3(3,0) Formal Logic I: A study of sentence and predicate logics, with introduction to modal, epistemic, deontic, multi-valued, and indeterminant logics. <i>Occasional.</i> | PHI 3629 CAH-PHIL 3(3,0) Family Values: PR: PHI 2010, PHI 2630, PHI 3670, or WST 3015. Applied ethics examining legal, religious and other cultural prescriptions related to sexuality, marriage, reproduction, child-rearing and other forms of familial relationship and caregiving. <i>Even Spring.</i> |
| PHH 3041 CAH-PHIL 3(3,0) Russian Philosophy: PR: ENC 1102. A study of major themes and developments in Russian philosophy from the 18th century to the present, including critiques of culture, religion, society, and politics. <i>Occasional.</i> | PHI 2108 CAH-PHIL 3(3,0) Critical Thinking: The logic of conversation, informal fallacies, and reasoning about human action. <i>Occasional.</i> | PHI 3638 CAH-PHIL 3(3,0) Ethical Issues in the 21st Century: PR: PHI 2010 or C.I. Applications of ethical theory and moral problem-solving to contemporary issues. <i>Occasional.</i> |
| PHH 3100 CAH-PHIL 3(3,0) Ancient Philosophy: PR: PHI 2010 or C.I. Foundations of Western philosophy in ancient Greek thinking about human beings and nature, including the pre-Socratics, Socrates, Plato, Aristotle. <i>Occasional.</i> | PHI 2630 CAH-PHIL 3(3,0) Ethics: An examination of the nature of moral problems, judgements and principles, with an emphasis on recent formulations in ethical theory. <i>Occasional.</i> | 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. <i>Occasional.</i> |
| PHH 3200 CAH-PHIL 3(3,0) Medieval Philosophy: PR: PHI 2010 or C.I. The influence of Greek philosophical thought in medieval Muslim, Jewish and Christian philosophy, as expressed in its main problems and representative thinkers. <i>Occasional.</i> | 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. <i>Occasional.</i> | PHI 3648 CAH-PHIL 3(3,0) Ethical Implications of the Human Genome Project: PR: BSC 2010C and either PHI 2010 or PHI 2630 or PHI 3670. Ethical issues surrounding the Human Genome Project, including genetic testing, genetic therapies, genetic enhancement, forensics, data banking, and genetic patenting. <i>Occasional.</i> |
| PHH 3460 CAH-PHIL 3(3,0) Modern Western Philosophy: PR: PHI 2010. Major western philosophers and philosophical movements from Descartes to Nietzsche. <i>Even Fall.</i> | PHI 3022 CAH-PHIL 3(3,0) Sexuality, Gender & Philosophy: PR: WST 3015, PHI 2010, PHM 3123, or C.I. Examines the contributions of post-structuralist and neopschoanalytical theories to cultural issues in sexuality and gender. <i>Even Spring.</i> | PHI 3670 CAH-PHIL 3(3,0) Ethical Theory: PR: Junior standing and C.I. Major classical and contemporary topics in ethics, including value theory, utilitarian, deontological, virtue-based and feminist approaches to ethics, rights, and justice; some examination of metaethical issues. <i>Even Spring.</i> |
| PHH 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 contemporary relevance. <i>Occasional.</i> | 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. <i>Occasional.</i> | 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. <i>Occasional.</i> |
| | 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. <i>Odd Fall.</i> | PHI 3683 CAH-PHIL 3(3,0) Philosophy of Friendship: PR: One of: PHI 2010, PHI 3670, PHI 3638, or C.I. Philosophical aspects of friendship, focusing on its interpersonal, moral, social, and political significance and implications. <i>Occasional.</i> |
| | PHI 3131 CAH-PHIL 3(3,0) Formal Logic II: PR: PHI 2101. Systematic study of propositional and first-order predicate logic; logistic systems and axiomatic methods; problems of metaltheory, including consistency, completeness, and decidability. <i>Occasional.</i> | |

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| PHI 3684 | CAH-PHIL | 3(3,0) | PHI 4420 | CAH-PHIL | 3(3,0) | PHI 5327 | 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." <i>Occasional.</i> | | | Philosophy of Social Science: An examination of the objectives, methods and guiding norms of the social sciences and their role in the development of human knowledge. <i>Occasional.</i> | | | 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. <i>Fall.</i> | | |
| PHI 3700 | CAH-PHIL | 3(3,0) | PHI 4500 | CAH-PHIL | 3(3,0) | PHI 5328 | CAH-PHIL | 3(3,0) |
| Philosophy of Religion: PR: REL 2300 or PHI 2010. An examination of basic ideas, beliefs, attitudes, and functions of religion, with emphasis upon questions of conceptual meaning and cognitive justification. <i>Odd Spring.</i> | | | 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. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| PHI 3720 | CAH-PHIL | 3(3,0) | PHI 4633 | CAH-PHIL | 3(3,0) | PHI 5329 | CAH-PHIL | 3(3,0) |
| Faith and Reason: PR: REL 2300 or PHI 2010 or C.I. Emergence of two discrete ways of knowing: Faith and Reason. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Philosophy of Neuroscience: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Neurophilosophy, including discussion of promises and limitations of neuroscience for understanding of the mind. <i>Occasional.</i> | | |
| PHI 3750 | CAH-PHIL | 3(3,0) | PHI 4633H | CAH-PHIL | 3(3,0) | PHI 5340 | CAH-PHIL | 3(3,0) |
| The Problem of Evil: PR: PHI 2010 or C.I. The traditional problem of evil encompassing philosophical, theological, logical, and natural interpretations and assessments of moral and natural evil. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Research Methods in the Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Interdisciplinary research methods in the cognitive sciences. <i>Spring.</i> | | |
| PHI 3790 | CAH-PHIL | 3(3,0) | PHI 4673 | CAH-PHIL | 3(3,0) | PHI 5627 | CAH-PHIL | 3(3,0) |
| African Philosophy: PR: Junior standing or C.I. Traditional and contemporary African philosophical thought with primary emphasis on post-colonial philosophy in sub-Saharan Africa. <i>Occasional.</i> | | | Medical Ethics: PR: Senior standing or C.I. Ethics of clinical medicine and medical research. <i>Spring.</i> | | | Theoretical and Applied Ethics: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, or Graduate standing or C.I. A seminar in theoretical and applied ethics with emphasis on application in professional fields. Variable content. <i>Fall.</i> | | |
| PHI 3800 | CAH-PHIL | 3(3,0) | PHI 4690 | CAH-PHIL | 3(3,0) | PHI 5634 | CAH-PHIL | 3(3,0) |
| Aesthetics: PR: PHI 2010, HUM 2230, ARH 2050, or ARH 2051. An investigation into the nature of human artistic experience, with special reference to questions of form, perception, and style. <i>Occasional.</i> | | | Ethics in Nanoscience and Nanotechnology: PR: Completion of GEP or Junior standing. Ethical implications of rapid developments in nanoscience and nanotechnology. <i>Odd Fall.</i> | | | Medical Ethics: PR: Graduate standing or C.I. Ethics for practitioners of clinical medicine, health care delivery and medical research. <i>Fall.</i> | | |
| PHI 3803 | CAH-PHIL | 3(3,0) | PHI 4804 | CAH-PHIL | 3(3,0) | PHI 5665 | CAH-PHIL | 3(3,0) |
| Philosophy and Creativity: A companion course to PHI 3800, Aesthetics. Examines the empirical and metaphysical claims made for creativity; attempts to account for intuition, genius, and intelligence. <i>Occasional.</i> | | | Critical Theory: PR: C.I. Critical theory and cultural studies emphasizing current trends as they apply to arts in diverse media. <i>Even Fall.</i> | | | Knowledge, Responsibility, and Society: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, PHI 4300, PHI 4341, PHI 4400, PHI 4633, PHI 4931 or Graduate standing. A seminar exploring the relationship between ethics and epistemology with application to social concerns. Variable content. <i>Occasional.</i> | | |
| PHI 3805 | CAH-PHIL | 3(3,0) | PHI 4931 | CAH-PHIL | 3(3,0) | PHI 5687 | CAH-PHIL | 3(3,0) |
| Contemporary Aesthetics: PR: PHI 2010, HUM 2210, HUM 2230, ARH 2050 or ARH 2051. Contemporary themes and arguments about visual art in relationship to current aesthetic theories. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| PHI 3941 | CAH-PHIL | 3(1,3) | PHI 4935 | CAH-PHIL | 3(3,0) | PHM 3020 | CAH-PHIL | 3(3,0) |
| Philosophy Practicum: PR: C.I. Mentor at-risk grade schoolers and evaluate such work-related concepts as justice and fairness. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | 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. <i>Spring.</i> | | |
| PHI 4221 | CAH-PHIL | 3(3,0) | PHI 4938 | CAH-PHIL | 3(3,0) | PHM 3100 | 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. <i>Spring.</i> | | | Senior Research Seminar: PR: Senior standing and Philosophy major. Capstone course on research, developing effective oral and written communication skills. <i>Occasional.</i> | | | Freedom and Justice: 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. <i>Occasional.</i> | | |
| PHI 4300 | CAH-PHIL | 3(3,0) | PHI 4951 | CAH-PHIL | 1(1,0) | PHM 3123 | CAH-PHIL | 3(3,0) |
| Theories of Knowledge: PR: Philosophy major or C.I. Classical and contemporary theories of knowledge. A critical examination of various forms of, and reasons for, skepticism, criteria for truth and justification for belief. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Feminist Theories: PR: ENC 1102. Contemporary issues and perspectives in feminist theory and their relation to divergent feminist practices. <i>Even Fall.</i> | | |
| PHI 4321 | CAH-PHIL | 3(3,0) | PHI 5225 | CAH-PHIL | 3(3,0) | PHM 3401 | 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 western and non-western philosophies from ancient to contemporary times. <i>Occasional.</i> | | | Philosophy of Language: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Philosophy of the nature of language and relationships between language, reality, cognition, and culture. <i>Occasional.</i> | | | 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. <i>Spring.</i> | | |
| PHI 4341 | CAH-PHIL | 3(3,0) | PHI 5325 | CAH-PHIL | 3(3,0) | PHM 4031 | 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. <i>Fall.</i> | | | 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. <i>Occasional.</i> | | | Environmental Philosophy: PR: PHI 3640, PHI 2630, or C.I. Major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. <i>Occasional.</i> | | |
| PHI 4400 | CAH-PHIL | 3(3,0) | | | | | | |
| Philosophy of Science: An examination of the conceptual foundations and methodology of modern science. <i>Occasional.</i> | | | | | | | | |

UCF Courses and Descriptions

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| PHM 5035 | CAH-PHIL | 3(3,0) | PHT 3155 | HPA-HP | 2(2,0) | PHT 5005 | HPA-HP | 2(2,0) |
| 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. <i>Occasional.</i> | | | Physiology of Therapeutic Exercise: PR: PHT 3259. CR: PHT 3155L. Exercise physiology investigating the physiological responses and adaptations to human movement including cardiovascular and pulmonary systems. <i>Occasional.</i> | | | Foundations of Physical Therapy II: PR: Foundations of Physical Therapy I. Psychosocial aspects of disability. Focus on cultural diversity issues, communication skills, and different styles of learning and teaching. <i>Occasional.</i> | | |
| PHP 3781 | CAH-PHIL | 3(3,0) | PHT 3155L | HPA-HP | 2(0,4) | PHT 5115 | HPA-HP | 2(2,0) |
| African-American Philosophy: PR: PHI 2010. Analysis of contemporary African-American philosophy and overview of Black philosophy from slavery era writings to the present. <i>Occasional.</i> | | | Physiology of Therapeutic Exercise Lab: CR: PHT 3155. Lab course emphasizing the clinical application of exercise physiology. <i>Occasional.</i> | | | Gross Anatomy/Neuroscience I: PR: Admission to PT program. In-depth study of human morphology emphasizing the back, spinal cord, cranial nerves, and upper and lower extremities. Regional cadaver dissection. <i>Occasional.</i> | | |
| PHP 3783 | CAH-PHIL | 3(3,0) | PHT 3259 | HPA-HP | 2(2,0) | PHT 5118 | HPA-HP | 2(2,0) |
| 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. <i>Occasional.</i> | | | Patient Care Skills: CR: PHT 3259. Affective, cognitive, and psychomotor skills applied to patient care. Diversity issues discussed. Basic skills of patient care; transfers, mobility skills, draping, gait training. <i>Occasional.</i> | | | Gross Anatomy/Neuroscience II: PR: PR Gross Anatomy/Neuroscience I and Lab; CR Gross Anatomy Neuroscience II Lab. In-depth study of human morphology emphasizing the brain, the cervical spine, pelvis, and the internal organs. <i>Fall.</i> | | |
| PHP 3786 | CAH-PHIL | 3(3,0) | PHT 3259L | HPA-HP | 1(0,2) | PHT 5125 | HPA-HP | 2(2,0) |
| Existentialism: 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. <i>Odd Fall.</i> | | | Patient Care Skills Lab: CR: PHT 3259. Lab course covering basic skills of patient care; transfers, mobility skills, draping, gait training. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| PHP 4782 | CAH-PHIL | 3(3,0) | PHT 3602 | HPA-HP | 2(2,0) | PHT 5125L | HPA-HP | 2(0,2) |
| Phenomenology: PR: Junior standing and three Philosophy courses. The philosophy developed in the 20th century in the writings of Husserl, Heidegger, Sartre, Merleau-Ponty, De Beauvoir and Derrida. <i>Odd Spring.</i> | | | Introduction to Clinical Research: PR: STA 2023. Methods of research applied to clinical environment of physical therapy. Coverage of the language, logic, design and analysis of clinical research. <i>Occasional.</i> | | | Clinical Kinesiology Lab: CR: PHT 5125. Concerned with the evaluation and practical application of aspects of human movement, joint mechanics of the upper and lower extremity, vertebral column and soft tissues. <i>Occasional.</i> M&S fee: \$15.00 | | |
| PHT 3069 | HPA-HP | 1(1,0) | PHT 4119C | HPA-HP | 4(3,2) | PHT 5156L | HPA-HP | 2(0,4) |
| Physical Assessment: CR: PHT 3069L. Extensive theory and practice in the examination of the patient. Incorporates a systems approach, utilizing screening and patient problem solving. <i>Occasional.</i> | | | Clinical Gross Anatomy: PR: ZOO 3733C and C.I. Review of human anatomical systems using cadavers and emphasizing clinical applications and pathologies. <i>Fall.</i> M&S fee: \$45.00 | | | Physiology of Therapeutic Exercise Lab: CR: PHT 6156C. Lab course emphasizing the clinical application of exercise physiology. <i>Occasional.</i> M&S fee: \$15.00 | | |
| PHT 3069L | HPA-HP | 2(0,4) | PHT 4222 | HPA-HP | 2(2,0) | PHT 5218 | HPA-HP | 2(2,0) |
| Physical Assessment Lab: PR: PHT 3069. Lab course emphasizing the examinations required to perform an evaluation of a physical therapy patient. <i>Occasional.</i> | | | Therapeutic Exercise I: PR: PHT 3155; PHT 3155L. CR: PHT 4222L. Theory of developing, implementing, and evaluating a therapeutic exercise program for patients with musculoskeletal dysfunction. <i>Occasional.</i> | | | Theories and Procedures I: PR: CR Theories and Procedures I Lab. Theories of physical agents, heat, light, cold, water, sound, and massage; problem solving rationale and selection of interventions for inflammation, pain, edema, and weakness. <i>Spring.</i> | | |
| PHT 3112 | HPA-HP | 2(2,0) | PHT 4222L | HPA-HP | 1(0,2) | PHT 5218L | HPA-HP | 1(0,2) |
| Gross Anatomy/Neuroscience I: PR: Admission into the Physical Therapy program. CR: PHT 3112L. In-depth study of human morphology emphasizing the back, spinal cord, cranial nerves, and upper lower extremities. Regional cadaver dissection. <i>Occasional.</i> | | | Therapeutic Exercise I Lab: CR: PHT 4222. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. <i>Occasional.</i> | | | Theories and Procedures I lab: PR: CR Theories and Procedures I. Lab course on the clinical applications of heat, light, cold, water, sound, and massage. <i>Spring.</i> M&S fee: \$15.00 | | |
| PHT 3112L | HPA-HP | 3(0,6) | PHT 4230 | HPA-HP | 2(2,0) | PHT 5240 | HPA-HP | 1(1,0) |
| Gross Anatomy/Neuroscience I Lab: CR: PHT 3112. Human cadaver dissection of the back, spinal cord, cranial nerves, and upper and lower extremities. <i>Occasional.</i> | | | Therapeutic Exercise II: PR: PHT 4222; PHT 4222L. CR: PHT 4230L. Exploration of the various therapeutic exercise modalities, and their application to the rehabilitation course treatment. <i>Occasional.</i> | | | Physical Assessment: PR: Physical Assessment Lab. Extensive theory and practice in the examination of the patient. Incorporate a systems approach, utilizing screening, and patient problem solving. <i>Fall.</i> | | |
| PHT 3113 | HPA-HP | 2(2,0) | PHT 4230L | HPA-HP | 1(0,2) | PHT 5240L | HPA-HP | 2(0,4) |
| Gross Anatomy/Neuroscience II: PR: PHT 3112; PHT 3112L. CR: PHT 3113L. In-depth study of human morphology emphasizing the brain, the cervical spine, pelvis, and the internal organs. <i>Occasional.</i> | | | Therapeutic Exercise II Lab: CR: PHT 4230. Lab course emphasizing use of various therapeutic exercise modalities. <i>Occasional.</i> | | | Physical Assessment Lab: PR: CR Physical Assessment. Lab course emphasizing the examinations required to perform an evaluation of physical therapy patient. <i>Fall.</i> M&S fee: \$25.00 | | |
| PHT 3113L | HPA-HP | 3(0,6) | PHT 4307 | HPA-HP | 3(3,0) | PHT 5241 | HPA-HP | 2(2,0) |
| Gross Anatomy/Neuroscience II Lab: CR: PHT 3113. Directed laboratory experiences with cadaver dissection; use of the skeleton, models, and computer programs to facilitate learning. <i>Occasional.</i> | | | Pathology/Pharmacology: PR: PHT 3113. Organized seminars on the pathophysiology and clinical manifestations of various medical conditions as they relate to medical management in physical therapy practice. <i>Occasional.</i> | | | Therapeutic Exercises I: PR: CR Therapeutic Exercises I Lab. Theory of developing, implementing, and evaluating a therapeutic exercise program for patients with musculoskeletal dysfunction. <i>Spring.</i> | | |
| PHT 3122 | HPA-HP | 3(3,0) | PHT 4308 | HPA-HP | 2(2,0) | PHT 5241L | HPA-HP | 2(0,4) |
| 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. <i>Occasional.</i> | | | Medical Science and Pharmacology II: The impact on movement and posture of various orthopedic and neurological disorders; drugs used in their management. Relates neuropathology and orthopedic pathology to the study of movement. <i>Occasional.</i> | | | Therapeutic Exercise Lab I: PR: Therapeutic Exercise I. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. <i>Spring.</i> M&S fee: \$15.00 | | |
| PHT 3122L | HPA-HP | 3(0,6) | PHT 4610 | HPA-HP | 2(1,3) | PHT 5260 | HPA-HP | 2(2,0) |
| Clinical Kinesiology Lab: CR: PHT 3122. Lab course investigating the mechanical aspects of human movement. <i>Occasional.</i> | | | Clinical Research Problems I: PR: Enrollment in sequence in the Physical Therapy program. Exploration of clinical problem-solving, decision making process. Critical review of relevant medical literature and supervised patient evaluation sessions. <i>Occasional.</i> | | | Patient Care Skills: CR: Patient Care SKills Lab. Affective, cognitive, and psychomotor skills, regarding patient care. Basic skills of patient care, transfers, mobility skills, draping, gait training. <i>Fall.</i> | | |
| | | | PHT 5003 | HPA-HP | 2(2,0) | | | |
| | | | Foundations of Physical Therapy I: PR: Admission to the PT program. Introduction to the profession of physical therapy. <i>Occasional.</i> | | | | | |

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| <p>PHT 5260L HPA-HP 1(0,2) Patient Care Skills Lab: CR: Patient Care Skills. Skills of patient care, transfers, mobility skills. <i>Fall</i>. M&S fee: \$25.00</p> | <p>PHY 2090 COS-PHYS 0(0,1.5) Physics Today: CR: PHY 2048 or PHY 2049. Fundamental physics principles behind recent developments in physics research will be presented in a seminar format. May be repeated for credit. <i>Occasional</i>.</p> | <p>PHY 4803L COS-PHYS 3(1,5) Advanced Physics Laboratory: PR: PHY 3802L. Experiments in optics, electronics, nuclear and solid state physics. Emphasis on design, data, and scientific writing. <i>Occasional</i>. M&S fee: \$15.00</p> |
| <p>PHT 5718 HPA-HP 2(2,0) Neurological Physical Therapy: PR: CR Neurological Physical Therapy Lab. Analysis of selected neuromotor theories and their clinical applications. Examinations and interventions for the evaluation and treatment of neurological patients presented. <i>Occasional</i>.</p> | <p>PHY 3101 COS-PHYS 3(3,0) Physics for Engineers and Scientists III: PR: MAC 2313 and PHY 2049 or PHY 2049H. Thermodynamics, oscillations, modern physics. <i>Fall, Spring</i>.</p> | <p>PHY 4942C COS-PHYS 3(2,3) Practicum in Physics: PR: C.I. Physics laboratories and demonstrations, and the study of recent research on the learning of physics. <i>Occasional</i>.</p> |
| <p>PHT 5718L HPA-HP 1(0,2) Neurological Physical Therapy Lab: PR: CR Neurological Physical Therapy. Lab Course emphasizing the clinical application of selected neuromotor theories. <i>Occasional</i>. M&S fee: \$15.00</p> | <p>PHY 3110H COS-PHYS 3(3,0) Honors Physics for Engineers and Scientists III: PR: Permission of Honors and PHY 2049 or PHY 2049H. Same as PHY 3101 with honors-level content. <i>Occasional</i>.</p> | <p>PHY 5015C COS-PHYS 3(2,2) Physics for Teachers II: PR: Graduate status or senior standing or C.I. "Hands-on" lecture-laboratory course. Dynamics, electricity, magnetism, optics, nuclear radiation. <i>Occasional</i>.</p> |
| <p>PHY 2014C COS-PHYS 3(2,2) Physics for Teachers I: PR: C.I. "Hands-on" lecture-laboratory course. Statics, simple machines, density, solar energy, heat, weather, waves, optical reflections, naked eye astronomy. <i>Occasional</i>.</p> | <p>PHY 3220 COS-PHYS 3(3,0) Mechanics I: PR: PHY 2048 or PHY 2048H, MAP 2302. Particle dynamics, rigid bodies, Lagrangian formulation of mechanics, Hamilton's equations. <i>Spring</i>.</p> | <p>PHY 5100 COS-PHYS 1(1,0) Topics in Contemporary Physics for Teachers: PR: Graduate status or senior standing or C.I. The study of recent findings in a selected area such as particle physics, surface physics, planetary atmospheres, lasers, geophysics, etc. May be repeated for credit. <i>Occasional</i>.</p> |
| <p>PHY 2048 COS-PHYS 3(3,0) Physics for Engineers & Scientists I: PR: MAC 2311 or equivalent. Mechanics, Thermodynamics, fluids. <i>Fall, Spring</i>.</p> | <p>PHY 3323 COS-PHYS 3(3,0) Electricity and Magnetism I: PR: PHY 2049, MAP 2302. Electrostatics, magnetostatics, Lorentz force current electricity, Maxwell's equations. <i>Fall</i>.</p> | <p>PHY 5140C COS-PHYS 3(3,2) Ion-Solid Interactions: PR: PHY 4604 or PHY 4324, graduate status or senior standing, or C.I. Physical principals and related scientific and technological applications of ion-solid interactions. <i>Even Spring</i>.</p> |
| <p>PHY 2048H COS-PHYS 3(3,0) Honors Physics for Engineers and Scientists I: PR: Permission of Honors and MAC 2311 or equivalent. Same as PHY 2048 with honors-level content. <i>Occasional</i>.</p> | <p>PHY 3513 COS-PHYS 3(3,0) Thermal and Statistical Physics: PR: PHY 3101 or PHY 3110H or C.I. Thermodynamics, kinetic theory, elements of statistical mechanics. <i>Fall</i>.</p> | <p>PHY 5200C COS-PHYS 1(0.5,1.5) Newtonian Mechanics for Teachers: PR: Graduate status or senior standing or C.I. A lab, lecture, demonstration course studying selected topics in classical mechanics. <i>Occasional</i>.</p> |
| <p>PHY 2048L COS-PHYS 1(0,3) Honors Physics Laboratory for Engineers and Scientists I: PR: Permission of Honors and MAC 2311 or equivalent. Same as PHY 2048L with honors-level content. <i>Occasional</i>.</p> | <p>PHY 3722C COS-PHYS 3(1,5) Physics Laboratory-Electronics: PR: PHY 2049, PHY 2049L. State-of-the-art electronics, transducers, operational amplifiers, phase sensitive circuits, active filters. <i>Occasional</i>. M&S fee: \$15.00</p> | <p>PHY 5300C COS-PHYS 1(0.5,1.5) Electricity for Teachers: PR: Graduate status or senior standing or C.I. Circuits, multimeters, oscilloscopes, circuit elements. <i>Occasional</i>.</p> |
| <p>PHY 2048L COS-PHYS 1(0,3) Physics Laboratory for Engineers and Scientists I: CR: PHY 2048. Laboratory experiments covering selected topics in physics related to PHY 2048. <i>Fall, Spring</i>. M&S fee: \$15.00</p> | <p>PHY 3752C COS-PHYS 3(1,5) Physics of Scientific Instruments: PR: PHY 3101 or C.I. Applications, functions and operation of electronic instruments. <i>Occasional</i>. M&S fee: \$12.00</p> | <p>PHY 5302C COS-PHYS 1(0.5,1.5) Electromagnetism for Teachers: PR: Graduate status or senior standing or C.I. Gauss' Law, Biot-Savart Law, Ampere's Law, Faraday's Law, Lenz's law, motors, generators, AC circuits and Maxwell's Equations. <i>Occasional</i>.</p> |
| <p>PHY 2049 COS-PHYS 3(3,0) Physics for Engineers and Scientists II: PR: MAC 2312 and PHY 2048 or PHY 2048H. Electricity, magnetism, optics. <i>Fall, Spring</i>.</p> | <p>PHY 3802L COS-PHYS 3(1,5) Intermediate Physics Laboratory: PR: PHY 3101 or C.I. Laboratory work in basic measurements of physical constants; experiments in electronics, modern physics, nuclear physics, optics, and solid state physics. May be repeated for credit. <i>Fall</i>.</p> | <p>PHY 5346 COS-PHYS 3(3,0) Electrodynamics I: PR: PHY 4324, and graduate status or senior standing or C.I. Boundary value problems in electrostatics and magnetostatics. Maxwell's equations. EM fields in matter, wave generation and propagation; wave guides, resonant cavities. <i>Fall</i>.</p> |
| <p>PHY 2049H COS-PHYS 3(3,0) Honors Physics for Engineers and Scientists II: PR: Permission of Honors and PHY 2048H, MAC 2312. Same as PHY 2049 with honors-level content. <i>Occasional</i>.</p> | <p>PHY 4324 COS-PHYS 3(3,0) Electricity and Magnetism II: PR: PHY 3323. Dielectrics, magnetic materials, electromagnetic waves, reflection, complex impedance, static solutions to Laplace's Equation, radiation from an accelerated charge and antennae, special relativity. <i>Spring</i>.</p> | <p>PHY 5401C COS-PHYS 1(0.5,1.5) Optics for Teachers: PR: Graduate status or senior standing or C.I. Geometrical and physical optics, spectrometers and lasers. <i>Occasional</i>.</p> |
| <p>PHY 2049L COS-PHYS 1(0,3) Physics Laboratory for Engineers and Scientists II: CR: PHY 2049. Laboratory experiments covering selected topics in physics related to PHY 2049. <i>Fall, Spring</i>. M&S fee: \$15.00</p> | <p>PHY 4424 COS-PHYS 3(3,0) Optics: PR: PHY 3101 and PHY 3323. Wave optics, absorption, stimulated emission, lasers, transforms, coherence, holography. <i>Occasional</i>.</p> | <p>PHY 5455 COS-PHYS 3(3,0) Modern X-Ray Science: PR: Graduate status or senior standing or C.I. An introduction to the science and applications of modern x-ray optics, x-ray lasers, etc., with a review of basic properties of x-rays. <i>Occasional</i>.</p> |
| <p>PHY 2053C COS-PHYS 4(3,3) College Physics I: PR: MAC 1105 and MAC 1114 or equivalent or C.I. Mechanics, waves, thermodynamics. <i>Fall, Spring</i>. M&S fee: \$15.00</p> | <p>PHY 4424L COS-PHYS 3(0,3) Optical Physics Laboratory: A laboratory course on geometric optics, interference, diffraction, materials and modern optics. <i>Occasional</i>.</p> | <p>PHY 5466C COS-PHYS 1(0.5,1.5) Wave Motion for Teachers: PR: Graduate status or senior standing or C.I. Water waves, waves on strings, sound and vibrations. <i>Occasional</i>.</p> |
| <p>PHY 2053H COS-PHYS 4(3,3) Honors College Physics I: PR: MAC 1105 and MAC 1114 or C.I. and consent of Honors. Mechanics, waves, thermodynamics. With Honors content. <i>Fall</i>.</p> | <p>PHY 4445 COS-PHYS 3(3,0) Lasers: PR: PHY 3101, MAP 2302, PHY 4424, or C.I. Principles of laser gain media, properties of resonators and modes, and description of specific laser systems. <i>Occasional</i>.</p> | <p>PHY 5500C COS-PHYS 1(0.5,1.5) Thermal Physics for Teachers: PR: Graduate status or senior standing or C.I. Engines, heat pumps, kinetic theory, phase changes, radiation, weather. <i>Occasional</i>.</p> |
| <p>PHY 2054C COS-PHYS 4(3,3) College Physics II: PR: PHY 2053C. Fluids, electricity and magnetism, optics, x-rays, radioactivity. <i>Fall, Spring</i>. M&S fee: \$15.00</p> | <p>PHY 4604 COS-PHYS 3(3,0) Wave Mechanics I: PR: PHZ 3113. Postulates of Quantum Mechanics. Operators and Observables, Schrodinger equation with simple applications. <i>Fall</i>.</p> | <p>PHY 5524 COS-PHYS 3(3,0) Statistical Physics: PR: PHY 3513, STA 3032, and graduate status or senior standing or C.I. A study of physical concepts and methods appropriate for the description of systems involving many particles. Ensemble theory, partition functions. Maxwell Boltzmann, Bose-Einstein, Fermi-Dirac statistics. <i>Spring</i>.</p> |
| <p>PHY 2054H COS-PHYS 4(3,3) Honors College Physics II: PR: PHY 2053H and consent of Honors. Fluids, electricity, and magnetism, optics, x-rays, radioactivity. With Honors content. <i>Spring</i>.</p> | <p>PHY 4605 COS-PHYS 3(3,0) Wave Mechanics II: PR: PHY 4604. Further applications of quantum mechanics, perturbation theory, scattering theory, identical particles. <i>Spring</i>.</p> | |

UCF Courses and Descriptions

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| PHY 5606 | COS-PHYS | 3(3,0) | PHZ 5304 | COS-PHYS | 3(3,0) | PLA 3304 | HPA-CJ/LS | 3(3,0) |
| Quantum Mechanics I: PR: PHY 4605, and graduate status or senior standing or C.I. Basic postulates of quantum mechanics, operators, eigenvalues, parity, potential wells, harmonic oscillator, time dependent and time independent Schrodinger equation, matrix formulation, and time independent perturbation theory. <i>Fall.</i> | | | Nuclear and Particle Physics: PR: PHY 4604 or equivalent, and graduate status or senior standing or C.I. Particles and nuclei, symmetries and conservation laws, interactions, models. <i>Occasional.</i> | | | 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. <i>Fall, Spring.</i> | | |
| PHY 5650 | COS-PHYS | 3(3,0) | PHZ 5405 | COS-PHYS | 3(3,0) | PLA 3308 | HPA-CJ/LS | 3(3,0) |
| Introduction to Quantum Computation: PR: C.I. Theoretical fundamentals and physical implementations of quantum computation for science and engineering students. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Criminal Procedure: PR: PLA 3013 or CCJ 3024 or C.I. Rules of criminal procedure, with emphasis on Florida rules, including right to counsel, bail, search and seizure, arrest, identification, trial, and post-trial proceedings. <i>Fall, Spring.</i> | | |
| PHY 5817L | COS-PHYS | 1(0,3) | PHZ 5425C | COS-PHYS | 3(3,3) | PLA 3610 | HPA-CJ/LS | 3(3,0) |
| Building Physics Apparatus: PR: Graduate standing or senior standing and C.I. Hands-on shop course. Focus will be machine shop practice with possible extension to printed circuit boards and glass work. <i>Occasional.</i> M&S fee: \$45.00 | | | 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. <i>Occasional.</i> | | | Property and Real Estate Law: PR: PLA 3013. Study of the law of real and personal property; real estate transactions and conveyances; closing procedures and title problems. <i>Fall, Spring.</i> | | |
| PHY 5846C | COS-PHYS | 3(3,3) | PHZ 5432 | COS-PHYS | 3(3,0) | PLA 4020 | HPA-CJ/LS | 3(3,0) |
| Methods of Experimental Physics: PR: Graduate status or senior standing or C.I. Introduction to methods of experimental physics, including instrumental design, data acquisition, vacuum, cryogenics, sample preparation, nuclear physics, transport, and spectroscopy. <i>Fall.</i> | | | Introduction to Soft Condensed Matter Physics: PR: PHY 3513 or C.I. Introduction to the physics of polymers, colloids, surfactants using basic tools of statistical mechanics. Graded S/U. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| PHY 5933 | COS-PHYS | 3(3,0) | PHZ 5437 | COS-PHYS | 3(3,0) | PLA 4223 | HPA-CJ/LS | 3(3,0) |
| Selected topics in biophysics of macromolecules: PR: PHY 3101, CHM 2046, and graduate status or senior standing or C.I. Physical concepts and techniques used in the spectroscopic study of dynamic structure and function of biological macromolecules such as proteins; Connections with other complex systems. May be repeated for credit. <i>Occasional.</i> | | | Nanoscale Surface Physics: PR: Undergrad Quantum Mechanics at the level of PHY 4604 or C.I. Overview of physical and chemical properties of nanoscale surfaces. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| PHZ 3113 | COS-PHYS | 3(3,0) | PHZ 5505 | COS-PHYS | 3(3,0) | PLA 4240 | HPA-CJ/LS | 3(3,0) |
| Introduction to Theoretical Methods of Physics: PR: MAP 2302. Analytical techniques to solve problems of physics. <i>Spring.</i> | | | 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. <i>Occasional.</i> | | | Negotiation Alternatives in Law: PR: PLA 3013/C.I. Theories and skills involved in negotiation, mediation and other dispute resolutions processes. <i>Occasional.</i> | | |
| PHZ 3151 | COS-PHYS | 3(3,0) | PHZ 5600 | COS-PHYS | 1(1,0) | PLA 4263 | HPA-CJ/LS | 3(3,0) |
| Computer Methods in Physics: PR: PHY 3101. Non-analytical problems in physics and astronomy solved by approximation with computer assistance. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Evidence: PR: PLA 3013 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. <i>Fall, Spring.</i> | | |
| PHZ 3422 | COS-PHYS | 3(3,0) | PLA 3013 | HPA-CJ/LS | 3(3,0) | PLA 4423 | HPA-CJ/LS | 3(3,0) |
| Nanophysics: PR: PHY 3101 or C.I. Physical phenomena occurring in nanometer-length scale, including nano colloids, and nano transport. <i>Occasional.</i> | | | Law and the Legal System: A survey course designed to familiarize the student with the American legal system, ethical considerations, terminology, legal reasoning, and the role of the legal assistant. <i>Fall, Spring.</i> | | | 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. <i>Fall, Spring.</i> | | |
| PHZ 3601 | COS-PHYS | 3(3,0) | PLA 3104 | HPA-CJ/LS | 3(3,0) | PLA 4433 | HPA-CJ/LS | 3(3,0) |
| Einstein's Theory of Relativity: PR: PHY 2049. Einstein's special theory of relativity. Introduction to general relativity. <i>Occasional.</i> | | | Legal Research: PR: PLA 3013 or C.I. A study of the various research tools used in legal investigation and the methods used to conduct legal research. <i>Fall, Spring.</i> | | | 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. <i>Fall, Spring.</i> | | |
| PHZ 4390 | COS-PHYS | 3(3,0) | PLA 3155 | HPA-CJ/LS | 3(3,0) | PLA 4460 | HPA-CJ/LS | 3(3,0) |
| Nuclear and Particle Physics: PR: PHY 4605 or C.I. The properties of the nuclei and the fundamental particles and how the universe is built from particles. <i>Occasional.</i> | | | Legal Writing: PR: PLA 3104. A study of legal writing format and technique and the preparation of memoranda and other legal documents, using research skills learned in PLA 3104. <i>Fall, Spring.</i> | | | 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. <i>Occasional.</i> | | |
| PHZ 4404 | COS-PHYS | 3(3,0) | PLA 3201 | HPA-CJ/LS | 3(3,0) | PLA 4472 | HPA-CJ/LS | 3(3,0) |
| Solid State Physics: PR: PHY 3101 or C.I. Atomic binding, crystalline structure, diffraction and reciprocal lattice, lattice vibration, phonons, electrons in solids, energy bands, semiconductors. <i>Occasional.</i> | | | Civil Practice and Procedure: PR: PLA 3013 or C.I. The student becomes familiar with the Florida civil procedure before trial and acquires the ability to prepare basic pleadings. <i>Fall, Spring.</i> | | | 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. <i>Occasional.</i> | | |
| PHZ 4434 | COS-PHYS | 3(3,0) | PLA 3201H | HPA-CJ/LS | 3(3,0) | PLA 4483 | HPA-CJ/LS | 3(3,0) |
| Nanoscale Surface Physics: PR: PHY 3101 or C.I. Physical and chemical properties of nanoscale surfaces. <i>Even Fall.</i> | | | Civil practice and Procedure - Honors: PR: Permission of Honors and PLA 3013 or C.I. Same as PLA 3201 with honors level content. <i>Occasional.</i> | | | Administrative Law: PR: PLA 3013 or PAD 3003. The law regarding governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. <i>Fall, Spring.</i> | | |
| PHZ 5156 | COS-PHYS | 3(3,0) | PLA 3273 | HPA-CJ/LS | 3(3,0) | PLA 4530 | HPA-CJ/LS | 3(3,0) |
| Computational Physics: PR: PHZ 3151 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. <i>Fall.</i> | | | The Law of Torts: PR: PLA 3013 or C.I. Theories governing liability for civil injuries not arising from contractual obligations; systems and procedures used in preparation, trial and appeal of Torts cases. <i>Fall, Spring.</i> | | | Legal Issues of the Elderly: PR: PLA 3013. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. <i>Occasional.</i> | | |
| | | | | | | PLA 4583 | HPA-CJ/LS | 3(3,0) |
| | | | | | | Cyber Law I: PR: PLA 3013. Analysis of copyright, trademark, and patent issues in cyberspace. <i>Occasional.</i> | | |

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| PLA 4583H | HPA-CJ/LS | 3(3,0) | PLA 4830 | HPA-CJ/LS | 3(3,0) | POS 3122 | COS-POLS | 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. <i>Occasional.</i> | | | World Legal Systems: PR: PLA 3013 or equivalent. An examination of various legal traditions and systems of the World. Substantive and procedural laws will be examined. <i>Occasional.</i> | | | State Government and Public Policy: PR: POS 2041 or C.I. A comparative study of American state governments, political processes, and public policies, with emphasis on Florida. <i>Occasional.</i> | | |
| PLA 4601 | HPA-CJ/LS | 3(3,0) | PLA 4864 | HPA-CJ/LS | 3(3,0) | POS 3122H | COS-POLS | 3(3,0) |
| Estates and Trusts: PR: PLA 3013, PLA 3610. A study of wills and trusts, and applicable legal principles of administration of estates through the processes of the Probate Court. <i>Fall, Spring.</i> | | | Admiralty and Maritime Law: PR: PLA 3013. Admiralty jurisdiction and procedure including contracts for carriage of goods, seaman's contracts and claims, collision and salvage law, and wrongful death. <i>Occasional.</i> | | | Honors State Government and Public Policy: PR: POS 2041 or C.I. and permission of Honors. A comparative study of American state governments, political processes, and public policies, with emphasis on Florida. With Honors content. <i>Occasional.</i> | | |
| PLA 4602 | HPA-CJ/LS | 3(3,0) | PLA 4910 | HPA-CJ/LS | 3(3,0) | POS 3173 | COS-POLS | 3(3,0) |
| Estate Administration: PR: PLA 4601. Study of the laws and procedures applicable to administration of estates. <i>Occasional.</i> | | | Trial Advocacy: PR: PLA 3013, PLA 4263 or CI. Analysis of the entire litigation process from the initial client interview through the appellate stage, and development of oral advocacy skills. <i>Fall, Spring.</i> | | | Southern Politics: PR: POS 2041 or C.I. Study of southern politics past and present. Emphasis on factors effecting changes in the region and the states. Southern and national relationship examined. <i>Occasional.</i> | | |
| PLA 4631 | HPA-CJ/LS | 3(3,0) | PLA 4935 | HPA-CJ/LS | 3(3,0) | POS 3182 | COS-POLS | 3(3,0) |
| Environmental Law: PR: PLA 3013 and PLA 4483 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. <i>Odd Fall, Odd Spring.</i> | | | Capstone: Legal Issues: PR: senior status, PLA 3155, Legal Studies major. The legal and socio-legal analysis of issues that require students to synthesize their legal studies education. Course will assist students entering employment or graduate education. <i>Fall, Spring.</i> | | | Florida Politics: PR: POS 2041 or C.I. Examines the foundations of Florida government and political behavior, political institutions, and public policy. <i>Occasional.</i> | | |
| PLA 4700 | HPA-CJ/LS | 3(3,0) | PLA 5587 | HPA-CJ/LS | 3(3,0) | POS 3182H | COS-POLS | 3(3,0) |
| Professional Ethics and Liability: PR: PLA 3013. Ethical responsibilities of professionals. Canons of legal ethics, liability for professional malpractice. <i>Fall, Spring.</i> | | | Current Issues in Cyberlaw: PR: Graduate standing or C.I. Advanced examination and discussion of free speech, copyright, trademark, patent and privacy issues in the online environment through interactive class discussions, online discussions, postings, case study reviews, and legal research projects. <i>Occasional.</i> | | | Honors Florida Politics: PR: POS 2041 or C.I., and consent of Honors. Foundations of Florida government and political behavior, political institutions, and public policy. With Honors content. <i>Occasional.</i> | | |
| PLA 4710 | HPA-CJ/LS | 1(1,0) | PLA 5937 | HPA-CJ/LS | 3(1,2) | POS 3233 | COS-POLS | 3(3,0) |
| 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 S/U. <i>Occasional.</i> | | | Seminar in Contemporary Legal Problems: PR: C.I. Analysis of current trends in legislation and court decisions and their significance to American society. <i>Occasional.</i> | | | 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. <i>Fall.</i> | | |
| PLA 4732 | HPA-CJ/LS | 3(3,0) | POR 1120C | CAH-LANG | 4(3,1) | POS 3235 | COS-POLS | 3(3,0) |
| Advanced Legal Applications Computer Software: PR: PLA 3013 or CI. Course will acquaint students with contemporary computer software applications used to satisfy the demands of today's law firms and law-related fields. <i>Occasional.</i> | | | Elementary Portuguese Language and Civilization I: Introduces the student to Portuguese culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. <i>Fall.</i> | | | Mass Media and Politics: PR: POS 2041 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. <i>Occasional.</i> | | |
| PLA 4763 | HPA-CJ/LS | 3(3,0) | POR 1121C | CAH-LANG | 4(3,1) | POS 3235H | COS-POLS | 3(3,0) |
| Law Office Practices: PR: PLA 3013. Organization, operation and management of law office. Interviewing techniques and practical application of work that is done in a law office. <i>Occasional.</i> | | | Elementary Portuguese Language and Civilization II: PR: POR 1120C or C.I. Continuation of POR 1120C. The course emphasizes the four major language skills: reading, writing, listening, and speaking. <i>Spring.</i> | | | Honors Mass Media and Politics: PR: POS 2041 or C.I., consent of Honors. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. With Honors content. <i>Occasional.</i> | | |
| PLA 4800 | HPA-CJ/LS | 3(3,0) | POR 2200 | CAH-LANG | 3(3,0) | POS 3253 | COS-POLS | 3(3,0) |
| Domestic Relations Law: PR: PLA 3013 and PLA 3610, 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. <i>Fall, Spring.</i> | | | Intermediate Portuguese I: PR: POR 1120C or equivalent or C.I. Development of Portuguese language skills at the intermediate level. <i>Fall, Spring.</i> | | | Contemporary Revolution and Political Violence: Theories and cases of revolutionary change and political violence in the contemporary world. <i>Occasional.</i> | | |
| PLA 4813 | HPA-CJ/LS | 3(3,0) | POR 2201 | CAH-LANG | 3(3,0) | POS 3258 | COS-POLS | 3(3,0) |
| Juvenile Law and Procedure: PR: PLA 3013 or C.I. Examines both the substantive and procedural law for juvenile delinquency and dependency. Emphasis on Florida law and comparison with other jurisdictions. <i>Occasional.</i> | | | Intermediate Portuguese II: PR: POR 2200 (Intermediate Portuguese I) or equivalent or C.I. Continuation of POR 2200 with emphasis on Portuguese cultures. <i>Fall, Spring.</i> | | | Politics in Film: PR: POS 2041 or C.I. The influence of motion pictures on popular understanding of American and international politics. <i>Even Fall.</i> | | |
| PLA 4823 | HPA-CJ/LS | 3(3,0) | POR 3140 | CAH-LANG | 3(3,0) | POS 3273 | COS-POLS | 3(3,0) |
| Sports Law: PR: PLA 3013 or C.I. Introduction to the legal issues and regulation of sports, focusing on torts, contracts, agency and constitutional law as applied to athletes. <i>Occasional.</i> | | | Accelerated Portuguese for Speakers of Romance Languages: PR: FRE 2201, or ITA 2201, or SPN 2201, or course equivalent. Accelerated Portuguese for proficient speakers of Romance Languages. It is expected that students have no prior knowledge of Portuguese. <i>Occasional.</i> | | | Voting and Elections: Theoretical and substantive inquiry into U.S. electoral system; includes focus on voter behavior as well as national and state electoral systems. <i>Occasional.</i> | | |
| PLA 4824 | HPA-CJ/LS | 3(3,0) | POS 2041 | COS-POLS | 3(3,0) | POS 3413 | COS-POLS | 3(3,0) |
| Legal Issues for Athletic Trainers: PR: CI. Analysis of the legal issues affecting athletic trainers. <i>Occasional.</i> | | | American National Government: A study of the dynamics of American national government, including its structure, organization, powers, and procedures. <i>Fall, Spring.</i> | | | The American Presidency: PR: POS 2041 or C.I. Examination of historical and contemporary role of the presidency, including the presidential selection process and the office's evolution in status, powers, administrative responsibilities, leadership, and decision-making. <i>Occasional.</i> | | |
| PLA 4825 | HPA-CJ/LS | 3(3,0) | POS 2041H | COS-POLS | 3(3,0) | POS 3424 | COS-POLS | 3(3,0) |
| Entertainment Law: PR: PLA 3013 or CI. Introduction to the control and regulation of the entertainment industry and the associated legal issues. <i>Occasional.</i> | | | Honors American National Government: PR: Permission of Honors. Same as POS 2041 with honors-level content. <i>Occasional.</i> | | | Congress and the Legislative Process: PR: POS 2041 or C.I. Examination of the Congress as an institution undergoing dynamic change; emphasis upon recruitment of legislators, institutional and informal rules, the committee system, legislative procedures. <i>Fall.</i> | | |
| PLA 4826 | HPA-CJ/LS | 3(3,0) | POS 3076 | COS-POLS | 3(3,0) | | | |
| Advanced Entertainment Law: PR: PLA 4825. Legal complexities and regulations pertaining to the Entertainment Industry at an advanced level. <i>Occasional.</i> | | | American Indian Politics: PR: POS 2041 or C.I. Politics and policies specific to indigenous peoples of the United States. <i>Occasional.</i> | | | | | |

UCF Courses and Descriptions

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|---|----------|--------|---|----------|------------|---|-----------|--------|
| POS 3443 | COS-POLS | 3(3,0) | POS 4622 | COS-POLS | 3(3,0) | POT 4345 | COS-POLS | 3(3,0) |
| Political Parties and Processes: PR: POS 2041 or C.I. In-depth study of the American political party system in the context of changing American politics; topics include development, organization, reforms, legislative and executive roles. <i>Occasional.</i> | | | Politics 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. <i>Occasional.</i> | | | Pan-Africanist Thought: PR: INR 2002. Philosophical assumptions, theoretical frameworks, ideological orientations and social/political thinkers that have contributed to the tradition of Pan-Africanist thought. <i>Occasional.</i> | | |
| POS 3463 | COS-POLS | 3(3,0) | POS 4742 | COS-POLS | 3(3,0) | POT 4414 | COS-POLS | 3(3,0) |
| Interest Groups: PR: POS 2041 or C.I. Analyzes the non-electoral behavior of economics, ideological, and citizen groups; political action committees; and the proliferation of interest organizations over the past quarter century. <i>Occasional.</i> | | | Geographic Information Systems for the Political Scientist: PR: POS 2041. Theoretical assumptions, analytical possibilities, and application of Geographic Information Systems (GIS) for political science research. <i>Occasional.</i> | | | Marxist Political Theory: Survey of Marx & Engels and other thinkers, exposing the theoretical underpinnings of nations and groups who have adapted marxist principles for governance. <i>Occasional.</i> | | |
| POS 3627 | COS-POLS | 3(3,0) | POS 4941L | COS-POLS | 3-9(0,3-9) | POT 4632 | COS-POLS | 3(3,0) |
| Cultural Pluralism and Law: PR: POS 2041. A case law approach to the legal and constitutional aspects of historical and current issues facing minorities in the U.S. <i>Occasional.</i> | | | Political Science Internship: PR: C.I. Internship working with the national, state, county or municipal government. Assignments with selected civic organizations, elected or appointed officials. May be repeated for credit. <i>Occasional.</i> | | | Religion and Politics: PR: Junior standing. Institutional and individual relationship of religion and politics including globalization, fundamentalism, secularization, American exceptionalism, political behavior, and the religious origins of current secular concepts. <i>Occasional.</i> | | |
| POS 3703 | COS-POLS | 3(3,0) | POT 3204 | COS-POLS | 3(3,0) | PPE 3003 | COS-PSYCH | 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. <i>Fall, Spring.</i> | | | American Political Thought: From its sources to the 20th century, including liberalism, puritanism, the Federalist, the rise of industrialism, resulting social movements, modern variations. <i>Odd Fall.</i> | | | Personality Theory: PR: PSY 2012. A survey of theory and research on the development of personality characteristics. <i>Fall, Spring.</i> | | |
| POS 3949 | COS-POLS | 0(0,8) | POT 3302 | COS-POLS | 3(3,0) | PPE 3003H | COS-PSYCH | 3(3,0) |
| Cooperative Education in Political Science: PR: Departmental permission required before registering. Cooperative education experience in political science. Graded S/U. May be repeated for credit. <i>Occasional.</i> | | | Modern Political Ideologies: A study of modern ideologies since the French Revolution including liberalism, conservatism, capitalism, nationalism, fascism and anarchism. <i>Occasional.</i> | | | Honors Personality Theory: PR: PSY 2012 and Consent of Burnett Honors College. Theory and research on the development of personality characteristics. With Honors content. <i>Occasional.</i> | | |
| POS 4074 | COS-POLS | 3(3,0) | POT 4003 | COS-POLS | 3(3,0) | PPE 5055 | COS-PSYCH | 3(3,0) |
| Latino Politics: PR: POS 2041 or C.I. Political characteristics of the Latino community in the United States and its impact on U.S. national and international politics and policies. <i>Odd Fall.</i> | | | Political Theory: PR: POS 2041 or C.I. Examination of various normative approaches to the study of political science, stressing contemporary developments in the field. <i>Occasional.</i> | | | Personality Theories: PR: Graduate status or senior standing or C.I. Critical theoretical models of personality development with applications to counseling, psychotherapy and psychological assessment. <i>Occasional.</i> | | |
| POS 4142 | COS-POLS | 3(3,0) | POT 4025 | COS-POLS | 3(3,0) | PSB 3002 | COS-PSYCH | 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. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Physiological Psychology: PR: PSY 2012. The physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. <i>Fall, Spring.</i> | | |
| POS 4204 | COS-POLS | 3(3,0) | POT 4054 | COS-POLS | 3(3,0) | PSB 3002H | COS-PSYCH | 3(3,0) |
| Political Behavior: PR: POS 2041 or C.I. Mass political behavior, concentrating on voting and participation, primarily in the United States. <i>Occasional.</i> | | | Modern Political Philosophy: Study of the development of political and social ideas from the 18th century to the present. May be taken independently of POT 4045 (Ancient, Medieval and Early Modern Political Philosophy). <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| POS 4206 | COS-POLS | 3(3,0) | POT 4066 | COS-POLS | 3(3,0) | PSB 3441 | COS-PSYCH | 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. <i>Occasional.</i> | | | Contemporary Political Theory: PR: Junior standing or C.I. Study of the contemporary debate about the status of rights, utilitarianism, and liberalism, and communitarian Marxist, libertarian, and feminist critiques of liberalism. <i>Occasional.</i> | | | Psychobiological Aspects of Drugs: PR: PSY 2012. An advanced course designed for web instruction. Focuses on pharmacology, neurophysiology and neuroanatomy as the foundation of understanding behavior and social consequences of drug use. <i>Spring.</i> | | |
| POS 4246 | COS-POLS | 3(3,0) | POT 4109 | COS-POLS | 3(3,0) | PSB 3842 | COS-PSYCH | 3(3,0) |
| Political Socialization: PR: POS 2041 or C.I. Analysis of recruitment and socialization processes. Identification of the agents and processes of political socialization in national and cross-cultural contexts. <i>Occasional.</i> | | | Politics and Literature: PR: Junior standing. An examination of politics and the political process through the medium of literature. <i>Occasional.</i> | | | Sleep and Dreams: PR: PSY 2012. An overview of the psychological and physiological foundations of sleep and dreams. Concrete facts and disturbances of sleep. Cultural perspectives on, and contemporary applications of dreams. <i>Occasional.</i> | | |
| POS 4284 | COS-POLS | 3(3,0) | POT 4305 | COS-POLS | 3(3,0) | PSB 4103C | COS-PSYCH | 3(2,2) |
| Judicial Process and Politics: Study of the formal and informal judicial process. Legal culture, bureaucratic model, judicial recruitment and outputs, comparative judicial behavior. <i>Fall, Odd Spring.</i> | | | The State, Society, and the Individual: PR: Junior standing or C.I. The relationship between the state, society, and the individual by discussing the works of major authors from Adam Smith to Robert Axelrod. <i>Odd Fall.</i> | | | Biofeedback Applications: PR: PSY 2012, PSB 3002 and C.I. Introduction to theory, instrumentation, research and clinical application of biofeedback. Training in use of biofeedback equipment. Lecture/Lab. <i>Occasional.</i> | | |
| POS 4412 | COS-POLS | 3(3,0) | POT 4314 | COS-POLS | 3(3,0) | PSB 4240C | COS-PSYCH | 4(3,2) |
| Presidential Campaigning: PR: C.I. Introduces the process of candidate selection, convention behavior, actual campaign process and the transition of power. <i>Occasional.</i> | | | Contemporary Democratic Theory: PR: POS 2041 or C.I. Study of democratic theories, emphasizing liberal democracy and its critics, elitist theories, participatory democracy, citizen participation, and relevance of empirical research to democratic theory. <i>Occasional.</i> | | | Neuropsychology: PR: PSB 3002. Study of brain function, with particular emphasis on human behavior. Lecture/Lab. <i>Fall, Odd Spring.</i> | | |
| POS 4603 | COS-POLS | 3(3,0) | POT 4331 | COS-POLS | 3(3,0) | PSB 4422 | COS-PSYCH | 3(2,2) |
| American Constitutional Law: PR: POS 2041 or C.I. Development of American federalism and national power, commerce clause, and nationalization of the economy. <i>Fall.</i> | | | Utopia/Dystopia: PR: POS 2041 or C.I. Examines political issues, such as justice, economic distribution and social organization by exploring both classic and contemporary utopias and dystopias. <i>Occasional.</i> | | | Brainwaves and Behavior: PR: PSB 3002. Review of research and clinical practice in the use of computerized EEG for treatment of selected physical and psychological disorders. <i>Occasional.</i> | | |
| POS 4604 | COS-POLS | 3(3,0) | | | | | | |
| American Constitutional Law II: PR: POS 2041 or C.I. Development of civil liberties and civil rights in the American federal system. <i>Spring.</i> | | | | | | | | |

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| PSB 5005 | COS-PSYCH | 3(3,0) | PSY 3302 | COS-PSYCH | 3(3,0) | PUP 3203 | COS-POLS | 3(3,0) |
| Physiological Psychology: PR: PSB 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. <i>Occasional.</i> | | | Psychological Measurement: PR: PSY 2012 and STA 2014C or STA 2023. A study of the theory underlying psychological tests and measurements procedures, including reliability, validity, and item analysis. <i>Occasional.</i> | | | Environmental Politics: PR: POS 2041 or C.I. An examination of politics and policy-making concerning issues of conservation, pollution and development of land, air, and water resources. <i>Odd Fall.</i> | | |
| PSC 1121 | COS-PHYS | 3(3,0) | PSY 3320C | COS-PSYCH | 3(2,2) | PUP 3314 | COS-POLS | 3(3,0) |
| Physical Science: PR: High school algebra or MAC 1105. Fundamental laws of mechanics, heat, waves, electricity, magnetism; chemical processes and equations, properties of gases, liquids, solids, solutions. <i>Fall, Spring.</i> M&S fee: \$2.20 | | | Survey Methods in Psychology: PR: PSY 3213C and SOP 3004. Sampling methods, questionnaire construction, and interpretation of results. <i>Occasional.</i> | | | Minorities in American Politics: Historical and contemporary role of minority groups in the American political process, including an examination of their electoral significance and relevant legislative, executive, and judicial policies. <i>Occasional.</i> | | |
| PSC 1121H | COS-PHYS | 3(3,0) | PSY 3624 | COS-PSYCH | 3(3,0) | PUP 3325 | COS-POLS | 3(3,0) |
| Honors Physical Science: PR: Permission of Honors and MAC 1105 or MGF 1106. PSC 1121 with Honors-level content. <i>Occasional.</i> | | | Parapsychology: PR: PSY 2012. An examination of the history and development of research on paranormal phenomena, with special emphasis on recent developments in extrasensory perception and psychokinesis. <i>Occasional.</i> | | | Women and Political Behavior: PR: POS 2041 or C.I. Women's role in the political process, emphasizing women in the governmental and policy process. <i>Odd Fall.</i> | | |
| PSC 1121L | COS-PHYS | 1(0,2) | PSY 3630 | COS-PSYCH | 3(3,0) | PUP 3508 | COS-POLS | 3(3,0) |
| Physical Science Lab: CR: PSC 1121. Experiments to apply the scientific method to observation and analysis in mechanics, heat, light, electricity and magnetism, chemical and physical transformations. <i>Fall, Spring.</i> M&S fee: \$10.00 | | | Psychology of Human-Animal Interaction: PR: PSY 2012. Psychological aspects of human relationships with animals. <i>Occasional.</i> | | | Space Studies: PR: Junior standing or C.I. Multidisciplinary overview of space studies, providing familiarity with some technical aspects as well as the relationship between technical and public policy considerations. <i>Occasional.</i> | | |
| PSY 2012 | COS-PSYCH | 3(3,0) | PSY 3951 | COS-PSYCH | 1-9(3-30) | PUP 4003 | COS-POLS | 3(3,0) |
| General Psychology: A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. <i>Fall, Spring.</i> | | | Undergraduate Field Work: PR: Senior standing and C.I. Placement in a community agency for supervised experience in applications of psychology to community problems. Graded S/U. May be repeated for credit. <i>Fall, Spring.</i> | | | American Public Policy: PR: POS 2041 or C.I. Policy formation, implementation and evaluation, with a focus upon contemporary American problems, including the malapportionment of societal power and social conflict. <i>Occasional.</i> | | |
| PSY 2012H | COS-PSYCH | 3(3,0) | PSY 4025 | COS-PSYCH | 3(3,0) | PUP 4204 | COS-POLS | 3(3,0) |
| Honors General Psychology: PR: Permission of Honors. A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Honors-level content. <i>Fall, Spring.</i> | | | The Psychology of Art: PR: PSY 2012, and ARH 2050 or ARH 2051. Discussion of the psychological perspectives on art to gain a greater understanding and enhanced appreciation for the process and products of creativity. <i>Occasional.</i> | | | Sustainability: PR: POS 2041 or C.I. Environmental politics through the lens of "sustainability." Attention devoted to the relationships of culture, economics, and ecology. <i>Odd Fall.</i> | | |
| PSY 2023 | COS-PSYCH | 1(1,0) | PSY 4215C | COS-PSYCH | 4(3,2) | PUP 4209 | COS-POLS | 3(3,0) |
| Careers in Psychology: PR: PSY 2012. An examination of various career opportunities in Psychology, including educational entry requirements, and related professional issues. Graded S/U. <i>Occasional.</i> | | | Advanced Research Methods in Psychology: PR: PSY 3213C. Design, analysis, and interpretation of complex research projects in psychology. <i>Fall, Spring.</i> M&S fee: \$20.00 | | | Urban Environmental Policy: PR: POS 2041. Public policy, ecology, and the urban political landscape explored by tracing their development and prospects for sustainable cities. <i>Occasional.</i> | | |
| PSY 3022C | COS-PSYCH | 3(1,8) | PSY 4270L | COS-PSYCH | 3(0,3) | PUP 4323 | COS-POLS | 3(3,0) |
| Academic Counseling: PR: PSY 2012. Psychology majors only. Research findings, theory, models and techniques of academic counseling and career advising. <i>Occasional.</i> | | | Advanced Research Methods Statistical Lab: PR: PSY 3213C and CR: PSY 4215C. Data analysis and research reporting procedures. Experience in analyzing and explaining the methods and results used in research reports. <i>Occasional.</i> M&S fee: \$15.00 | | | Women and Public Policy: PR: POS 2041 or C.I. Public policies and processes that achieve a disparate impact on women and women's lives in the United States. <i>Occasional.</i> | | |
| PSY 3028 | COS-PSYCH | 3(3,0) | PSY 4305C | COS-PSYCH | 3(1,4) | PUP 4404 | COS-POLS | 3(3,0) |
| Psychology of Career Development: PR: PSY 2012 or C.I. Review of career development theories and current psychological literature on career decision-making. Examination of career development in psychology including educational entry requirements and related issues. <i>Occasional.</i> | | | Advanced Psychological Measurement: PR: or CR: PSY 3302. Application of the theory underlying psychological test and measurement procedures, including reliability, validity, and item analysis. <i>Occasional.</i> | | | Education and Politics: PR: Junior standing or C.I. Western education and the connection between citizenship and education, education funding, and the politics of education reform. <i>Occasional.</i> | | |
| PSY 3204 | COS-PSYCH | 4(3,2) | PSY 4604 | COS-PSYCH | 3(3,0) | PUP 4503 | COS-POLS | 3(3,0) |
| Statistical Methods in Psychology: PR: STA 2014C or STA 2023. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. <i>Occasional.</i> | | | History and Systems of Psychology: PR: PSY 2012 and Junior standing. Historical development of psychology, with emphasis on classical theoretical positions. <i>Occasional.</i> | | | Government and Science: PR: C.I. Examination of interface between science and government. Focus is upon governmental support for science, social accountability, and the role of the scientist-policy maker in comparative context. <i>Occasional.</i> | | |
| PSY 3204H | COS-PSYCH | 4(3,1) | PSY 4604H | COS-PSYCH | 3(3,0) | PUP 4510 | COS-POLS | 3(3,0) |
| Honors Statistical Methods in Psychology: PR: STA 2014C or STA 2023 and consent of Honors. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. With Honors content. <i>Occasional.</i> | | | Honors History and Systems in Psychology: PR: PSY 2012 and Junior standing and consent of Honors. Historical development of psychology, with emphasis on classical theoretical positions. With Honors content. <i>Occasional.</i> | | | Space Policy: An examination of the politics and policy-making involved with the US space program in the context of domestic demands and other international space programs. <i>Even Fall.</i> | | |
| PSY 3213C | COS-PSYCH | 5(3,2) | PSY 5605 | COS-PSYCH | 3(3,0) | PUP 4602 | COS-POLS | 3(3,0) |
| Research Methods in Psychology: PR: PSY 2012, PSY 3204, and either STA 2014C or STA 2023. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. <i>Fall, Spring.</i> M&S fee: \$20.00 | | | History and Systems of Psychology: PR: Acceptance to Clinical Psychology Ph.D. program or C.I. An examination of modern American psychology from its origins in the late 19th century to the present time. This course is intended for the Ph.D. in Clinical Psychology; in certain instances graduate students in other programs may enroll. <i>Odd Fall.</i> | | | Politics of Health: PR: C.I. Analysis of public health policies. Primary focus upon political processes, policymakers, and interest group interventions, including consumers and policy outcomes. Comparative health policies. <i>Occasional.</i> | | |
| PSY 3213H | COS-PSYCH | 5(3,2) | PUP 3014 | COS-POLS | 3(3,0) | PUP 4744 | COS-POLS | 3(3,0) |
| Honors Research Methods in Psychology: PR: PSY 2012, PSY 3204 and STA 2014C or STA 2023 and consent of Honors. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. With Honors content. <i>Occasional.</i> | | | Comparative Public Policy: PR: POS 2041 or CPO 3103 or C.I. Areas of public policy such as immigration, education, trade, taxation, and fiscal policy in selected countries. <i>Occasional.</i> | | | Government and Business: PR: Junior standing or C.I. Analysis of public policies regarding business. Study includes various levels of government including international organizations. <i>Occasional.</i> | | |

UCF Courses and Descriptions

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| PUP 4931 | COS-POLS | 3(3,0) | RAT 4619C | HPA-HP | 4(3,3) | REE 3043 | BA-FIN | 3(3,0) |
| Topics in Public Policy: Intensive analysis of a current policy problem. Sample topics include education, growth management, housing, affirmative action, welfare, and transportation. May be used in the degree program a maximum of 2 times. <i>Occasional.</i> | | | Radiation Therapy Physics III: PR: RAT 4618C. Study of treatment planning principles and techniques, including multiple beam therapy, rotation therapy, arc therapy, and irregular field techniques. <i>Occasional.</i> | | | Fundamentals of Real Estate: PR: Junior standing. Application of basic tools of economics, finance, and marketing to solve private and public sector real estate problems. <i>Fall, Spring.</i> | | |
| PUR 3100 | COS-COMM | 3(2,1) | RAT 4804L | HPA-HP | 5(0,20) | REE 3433 | BA-FIN | 3(3,0) |
| Writing for Public Relations: PR: AD/PR Majors only. Development of skills in writing for public relations. <i>Fall, Spring.</i> | | | Clinical Education I: PR: RTE 3000, RTE 3111C, RTE 3528, RTE 3614, RTE 3804L, RTE 3457C, RTE 3549, or C.I. Supervised clinical practice in patient care and orientation to radiation therapy simulation, and treatment planning and delivery procedures. <i>Occasional.</i> | | | Real Estate Law: PR: Junior standing. An analysis of real estate law with emphasis on Florida statutes and case law. <i>Fall, Spring.</i> | | |
| PUR 4000 | COS-COMM | 3(3,0) | RAT 4814L | HPA-HP | 6(0,24) | REE 3614 | BA-FIN | 3(3,0) |
| Public Relations: PR: SPC 1600. Principles and practice of Public Relations including techniques, research tools publicly, and management. <i>Fall, Spring.</i> | | | Clinical Education II: PR: RAT 4804L. Supervised clinical practice in patient care, education, simulation, treatment planning and delivery and utilization of treatment units. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| PUR 4110C | COS-COMM | 3(1,3) | RAT 4824L | HPA-HP | 6(0,24) | REE 4103 | BA-FIN | 3(3,0) |
| Public Relations Publications: PR: ENC 2210 or PUR 3100 or JOU 2100C or ENC 3250. Basic principles and techniques of desktop production of public relations publications. <i>Fall, Spring.</i> | | | Clinical Education III: PR: RAT 4814L. Continued supervised clinical practice in patient care, education, simulation, treatment planning and delivery and utilization of treatment units. <i>Occasional.</i> | | | Real Estate Appraisal and Valuation: PR: FIN 3403. Focus on the fundamentals of real estate valuation utilizing tools of financial and economic analysis. <i>Occasional.</i> | | |
| PUR 4203 | COS-COMM | 3(3,0) | RED 3012 | ED-TLP | 3(3,0) | REE 4203 | BA-FIN | 3(3,0) |
| PR/Advertising Ethics and Law: PR: Admitted to the Advertising/Public Relations (B.A.) and ADV 3008. Legal precedents applicable to advertising and public relations as well as ethical considerations for both. <i>Fall, Spring.</i> | | | Basic Foundations of Reading: PR: Junior standing or C.I. Principles, procedures, and current practices for teaching reading. Specific techniques and materials for word identification, content reading and comprehension. <i>Fall, Spring.</i> | | | Commercial Real Estate Finance: PR: FIN 3403; open to majors or minors which require this course. The practice of commercial real estate finance; emphasis on lender and borrower decision making and secondary markets. <i>Occasional.</i> | | |
| PUR 4801 | COS-COMM | 3(3,0) | RED 3310 | ED-CFCS | 3(3,0) | REE 4204 | BA-FIN | 3(3,0) |
| Public Relations Case Studies: PR: AD/PR majors only and PUR 4000 or C.I. Discussion and analysis of public relations cases highlighting the application of PR theory to advance organizational goals. <i>Fall, Spring.</i> | | | Early Reading, Writing and Language Arts: PR: Admission to the Early Childhood Education Program. Emergent reading/writing processes during preschool, kindergarten, and first grade; methods for implementing integrated language arts curriculum; guiding developmental early childhood language experiences. <i>Occasional.</i> | | | Residential Real Estate Finance: PR: Fin 3403; open to majors or minors which require this course. Study of the practice of residential real estate finance; emphasis on lender and borrower decision making and secondary markets. <i>Fall, Spring.</i> | | |
| QMB 3201 | BA-ECON | 3(3,0) | RED 4043 | ED-TLP | 3(3,0) | REE 4303 | BA-FIN | 3(3,0) |
| Quantitative Economics Business Tools: PR: Junior standing; ECO 2013, ECO 2023, and ECO 3401. Statistical Tools and Applications in Economics. <i>Occasional.</i> | | | Content Reading in Kindergarten through Grade 12: PR: Admission to the teacher education program and junior or senior class standing. Content literacy in the K-12 school curriculum: principles, strategies, assessment, and promising practices. <i>Fall, Spring.</i> | | | Real Estate Investment Analysis: PR: FIN 3403. Focus on real estate decision-making in the private sector utilizing tools of financial and economic analysis. <i>Fall, Spring.</i> | | |
| RAT 3001 | HPA-HP | 3(3,0) | RED 4311 | ED-CFCS | 3(3,0) | REE 4732 | BA-FIN | 3(3,0) |
| Introduction to Radiation Oncology: PR: Acceptance into program. An overview of radiation therapy treatment procedures and patient care considerations. <i>Occasional.</i> | | | 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. <i>Fall.</i> | | | Real Estate Development: PR: FIN 3403. The real estate development process, from the inception of a project through to lease-up, long-term financing, and final sale to the investment community. <i>Fall.</i> | | |
| RAT 3241 | HPA-HP | 3(3,0) | RED 4519 | ED-TLP | 3(3,1) | REL 2300 | CAH-PHIL | 3(3,0) |
| Clinical Radiobiology: Application of the principles and theories of radiobiology to the clinical practice of radiation therapy. <i>Occasional.</i> | | | Diagnostic and Corrective Reading Strategies: PR: RED 3012 or C.I. and admission to Phase II. An investigation of the needs of individual learners in reading instruction. Organization and techniques for promoting optimum reading growth. Concurrent school experiences required. <i>Fall, Spring.</i> | | | World Religions: Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam. <i>Fall, Spring.</i> | | |
| RAT 3242 | HPA-HP | 2(2,0) | RED 4942 | ED-TLP | 3(3,0) | REL 2300H | CAH-PHIL | 3(3,0) |
| Oncologic Pathology: PR: Acceptance to program. Study of neoplastic diseases, including causative factors, characteristics, histologic grading, staging and treatment. <i>Occasional.</i> | | | Practicum for Assessment and Instruction of Reading: PR: RED 4519 and Internship I. Supervised practicum that provides opportunity to apply knowledge of reading assessment and instruction in order to increase reading proficiency of struggling readers. <i>Occasional.</i> | | | Honors World Religions: PR: Permission of Honors. Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam. Honors-level content. <i>Occasional.</i> | | |
| RAT 3614 | HPA-HP | 2(2,0) | RED 5147 | ED-TLP | 3(3,0) | REL 3111 | CAH-PHIL | 3(3,0) |
| Radiation Therapy Physics I: PR: Acceptance to program. Study of radiation production, properties, interactions, measurement, and protection. <i>Occasional.</i> | | | Developmental Reading: PR: EDG 4323. Principles, procedures, organization, and current practices in the elementary reading program. Materials and methods of instruction. <i>Fall, Spring.</i> | | | 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. <i>Occasional.</i> | | |
| RAT 4247 | HPA-HP | 3(3,0) | RED 5517 | ED-TLP | 3(3,1) | REL 3115 | CAH-PHIL | 3(3,0) |
| Radiation Oncology I: Methods of radiation therapy treatment of malignant conditions of the skin, oral cavity, pharynx, sinuses, thyroid, digestive and respiratory systems. <i>Occasional.</i> | | | Classroom Diagnosis and Development of Reading Proficiencies: PR: RED 5147 or equivalent. Classroom diagnosis and corrective teaching in reading; instructional materials. Case study required. <i>Even Fall, Spring.</i> | | | Religion, Spirituality, and Popular Music: PR: HUM 2230 or REL 2300. Contemporary spiritual sensibilities encountered at the intersection of religion, philosophy, and popular music. <i>Odd Fall.</i> | | |
| RAT 4248 | HPA-HP | 3(3,0) | | | | REL 3131 | CAH-PHIL | 3(3,0) |
| Radiation Oncology II: Methods of treatment of malignant conditions of the nervous system, eye, reproductive system, urinary system, connective tissue, and lympho-reticular system. <i>Occasional.</i> | | | | | | Religion in America: PR: REL 2300. Religious traditions in America, their relationship to politics, popular culture, media, and society. <i>Even Spring.</i> | | |
| RAT 4618C | HPA-HP | 4(3,3) | | | | REL 3340 | CAH-PHIL | 3(3,0) |
| Radiation Therapy Physics II: PR: RAT 3614. Study of radiation protection techniques, design considerations, modes and characteristics of decay, handling of radionuclides and clinical dosimetry. <i>Occasional.</i> | | | | | | Buddhist Thought: PR: HUM 2230 or REL 2300 or C.I. Teachings of Buddhism and their contemporary applications. <i>Odd Fall, Spring.</i> | | |

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|---|----------|---------|--|--------|---------|--|--------|------------|
| REL 3432 | CAH-PHIL | 3(3,0) | RET 4034 | HPA-HP | 3(3,0) | RTE 3000 | HPA-HP | 3(3,0) |
| Roots of Western Mysticism: PR: HUM 3431, HUM 3435, HUM 3552, HUM 3553, HUM 4303, HUM 4554, PHH 3100, or PHH 3200. Ancient, medieval, and early modern European mysticism, and its influences on religious, philosophical, artistic, and scientific thought in the West. <i>Even Fall, Odd Spring.</i> | | | Problems in Patient Management: PR: RET 3484C. Problem-oriented approach to the treatment of chronic and acute respiratory disorders. Computer-based clinical simulations are utilized. Emphasis on patient centered care planning. <i>Fall.</i> | | | 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. <i>Fall.</i> | | |
| REL 4110 | CAH-PHIL | 3(3,0) | RET 4244 | HPA-HP | 3(3,0) | RTE 3111C | HPA-HP | 2(1.5,1.5) |
| 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. <i>Occasional.</i> | | | Life Support Systems: PR: RET 3026C. Lecture-laboratory, measures supporting critically ill patients: intubation, airway maintenance, arterial and venous lines, post-operative care. Cardiac output determination, electrocardiography, intra-aortic balloon pumping covered. <i>Spring.</i> | | | Introduction to Patient Care: PR: Acceptance to the program. Provides the student with fundamentals of patient care methods related to radiography. <i>Fall.</i> M&S fee: \$10.00 | | |
| REL 4180 | CAH-PHIL | 3(3,0) | RET 4284 | HPA-HP | 3(3,0) | RTE 3116 | HPA-HP | 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. <i>Occasional.</i> | | | Cardiopulmonary Diagnostics I: PR: RET 4244. Non-invasive cardiac diagnostics, including echocardiography, nuclear cardiology, and stress testing. <i>Fall.</i> | | | 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. <i>Spring.</i> | | |
| REL 4901 | CAH-PHIL | 1(1,0) | RET 4285 | HPA-HP | 3(3,0) | RTE 3308 | HPA-HP | 3(3,0) |
| Portfolio: PR: Final semester as Humanities/Religious Studies track major. Presentation of a representative sampling of a student's best undergraduate work, with appropriate revision, including a cover narrative indicating development of knowledge and skills in the subject area. Graded S/U. <i>Occasional.</i> | | | Cardiopulmonary Diagnostics II: PR: RET 4244 and RET 4284. Invasive cardiac diagnostic and therapeutic measures, including cardiac catheterization, PTCA, streptokinase use, and heart surgery. <i>Spring.</i> | | | Medical Physics: PR: RTE 3684C or C.I. Study of radiation production, characteristics, detection and measurement, and protection, including barrier thickness calculation and shielding. <i>Occasional.</i> | | |
| REL 4910 | CAH-PHIL | 3(3,0) | RET 4414C | HPA-HP | 4(3,3) | RTE 3418C | HPA-HP | 3(2.5,1.5) |
| Senior Research Seminar: PR: Senior standing and Religion Studies track major. Capstone course on research, developing effective oral and written communication skills. <i>Occasional.</i> | | | Pulmonary Function Studies: PR: RET 3026C. Detailed procedures and tests to provide information for diagnosis of pulmonary disease. Lecture-laboratory. <i>Occasional.</i> M&S fee: \$14.00 | | | 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. <i>Fall.</i> M&S fee: \$28.00 | | |
| RET 3026C | HPA-HP | 4(3,3) | RET 4441 | HPA-HP | 4(3,3) | RTE 3457C | HPA-HP | 3(2.5,1.5) |
| 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. <i>Fall.</i> M&S fee: \$45.00 | | | Vascular Ultrasound: Study of application of ultrasound in the diagnosis of vascular diseases. Includes doppler and color flow doppler examination of arterial and venous systems. <i>Occasional.</i> | | | Principles of Radiographic Exposure II: PR: RTE 3418C or C.I. Study of technical and photographic processing variables influencing conventional, radiographic and digital image quality. <i>Spring.</i> M&S fee: \$28.00 | | |
| RET 3174 | HPA-HP | 3(3,0) | RET 4443 | HPA-HP | 4(3,3) | RTE 3503C | HPA-HP | 3(2,3) |
| Pediatric Respiratory Care: PR: RET 3026C. The study of childhood respiratory diseases, congenital problems, infections, metabolic disorders, and AIDS. <i>Spring.</i> | | | Advanced Cardiac Ultrasound: PR: RET 4284 or C.I. Study of advanced applications of ultrasound in the diagnosis of cardiac abnormalities. Two-dimensional echo, conventional doppler, and color doppler covered. <i>Occasional.</i> | | | 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. <i>Fall.</i> M&S fee: \$45.00 | | |
| RET 3264C | HPA-HP | 3(2,3) | RET 4503 | HPA-HP | 3(3,0) | RTE 3513C | HPA-HP | 3(2,3) |
| 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. <i>Occasional.</i> | | | Chest Medicine: PR: RET 3026C. Disease states treated medically in conjunction with one or more modalities of respiratory therapy. <i>Spring.</i> | | | 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. <i>Spring.</i> M&S fee: \$45.00 | | |
| RET 3483C | HPA-HP | 3(2,1) | RET 4536 | HPA-HP | 3(3,0) | RTE 3614 | HPA-HP | 2(2,0) |
| Respiratory Clinical Assessment: PR: RET 3026C or C.I. Demonstration of physical assessment techniques, critical thinking, chest radiology and other laboratory techniques, polysomnography and clinical documentation. Includes Internet work. <i>Spring.</i> | | | Cardiopulmonary Rehabilitation: PR: RET 3026C & RET 3484C or C.I. Principles underlying the development, implementation, and management of a comprehensive cardiopulmonary rehabilitation program. <i>Spring.</i> | | | Physics of Image Production: PR: College Physics II. Physics of diagnostic radiology, including radiation production, physical principles of generator operation, and characteristics of electromagnetic radiation. <i>Fall.</i> | | |
| RET 3484C | HPA-HP | 4(3,3) | RET 4715 | HPA-HP | 3(3,0) | RTE 3804L | HPA-HP | 2(0,8) |
| Cardiopulmonary Physiology: PR: PCB 3703C. Normal ventilation, lung mechanics, pulmonary circulation, diffusion, and blood gases, with an emphasis toward diagnostic cardiology. <i>Fall.</i> M&S fee: \$18.00 | | | Neonatal Medicine: PR: RET 3714C or C.I. Fetal development, prenatal physiology, gas transport in the fetus and newborn. Congenital abnormalities, infections, diseases of the newborn. Resuscitation of the neonate. <i>Fall.</i> | | | Clinical Education I: PR: Admission to Radiologic Sciences Major. Supervised clinical practice in radiologic procedures, radiation protection, patient care and equipment with emphasis on chest and abdomen procedures and patient care activities. <i>Fall.</i> | | |
| RET 3874 | HPA-HP | 5(1,16) | RET 4876 | HPA-HP | 8(1,24) | RTE 3814L | HPA-HP | 4(0,16) |
| Clinical Practice I: PR: C.I. Basic equipment and patient care. IPPB therapy. Cleaning sterilization and maintenance procedures. Suction techniques. <i>Occasional.</i> | | | Clinical Practice III: PR: RET 3875. Care of patients with more complex diseases. Pulmonary function studies. Pediatric and neonatal critical care. Echo and cardiac catheterization. Emergency and trauma. <i>Spring.</i> | | | Clinical Education II: PR: RTE 3804L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the GI tract, urinary tract, extremities and shoulder girdle. <i>Spring.</i> | | |
| RET 3875 | HPA-HP | 8(1,24) | RET 4934 | HPA-HP | 2(2,0) | RTE 4202 | HPA-HP | 3(3,0) |
| 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. <i>Fall.</i> | | | Selected Topics in Respiratory Therapy: PR: C.I. Current topics of adult critical care, as they apply to the advanced study of respiratory therapy. <i>Spring.</i> | | | 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. <i>Occasional.</i> | | |
| | | | RET 5910 | HPA-HP | 3(3,0) | RTE 4206 | HPA-HP | 3(3,0) |
| | | | Research Methods in Cardiopulmonary Physiology: Introduction to methods used in scientific and medical research in cardiopulmonary physiology. Literature review, experimentation, and data analysis. <i>Occasional.</i> | | | Leadership in Radiologic Sciences: PR: Senior level status in RS major or C. I. Study of the theories, principles and skills needed to function in a leadership position in Radiologic Sciences. <i>Spring.</i> | | |
| | | | RMI 3011 | BA-FIN | 3(3,0) | | | |
| | | | Principles of Risk and Insurance: PR: FIN 3403. Emphasis is on insurance as a risk-handling device, with attention given to risk assumption, risk avoidance, and loss prevention. <i>Spring.</i> | | | | | |

UCF Courses and Descriptions

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|---|--------|---------|---|----------|--------|--|----------|------------|
| RTE 4209 | HPA-HP | 2(0,8) | RTE 4903 | HPA-HP | 2(0,8) | RTV 3283C | COS-R/TV | 3(2,1) |
| Radiological Administrative Practice: A directed practice in the management of a radiology department, with application of theory and methodology. <i>Occasional.</i> | | | Directed Study in Radiologic Education: PR: EVT 3371 or EDG 4323 or C.I. Directed activity in classroom instruction in radiologic technology. <i>Occasional.</i> | | | Production of Interactive Multimedia: PR: CGS 1060C; major status in RTV, Ad/PR, Journalism, Organizational or Interpersonal Communication. Practice and production of electronic interactive multimedia for the broadcast industry. Students should expect significant work in the RTV facility outside of class. <i>Odd Fall.</i> M&S fee: \$15.00 | | |
| RTE 4385 | HPA-HP | 1(1,0) | RTV 2102 | COS-R/TV | 3(3,0) | RTV 3301 | COS-R/TV | 3(3,0) |
| Radiobiology: PR: RTE 3308. A study of the effects of ionizing radiation on biologic systems. The responses at the cellular and total organism level are investigated. <i>Fall.</i> | | | Writing for the Electronic Media: PR: ENC 1102, RTV Major. Practical experience in writing for various electronic media including radio, television, corporate, and digital media. Scripting requirements, writing styles and creative applications. <i>Odd Fall, Even Spring.</i> | | | Electronic Journalism I: PR: RTV 2102 and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering skills and strategies and their accompanying ethical considerations for analog and digital delivery of broadcast journalism. <i>Fall, Spring.</i> | | |
| RTE 4473 | HPA-HP | 3(3,0) | RTV 3007 | COS-R/TV | 3(3,0) | RTV 3304 | COS-R/TV | 3(3,0) |
| Quality Improvement: PR: Registered technologist or Senior standing. The study of quality improvement and quality control from the perspective of radiology services. <i>Spring.</i> | | | Development and Structure of Electronic Media and New Technology: PR: SPC 1600 or C.I. Nature of the media, the mechanics of operation of analog and digital systems, history, economics, programming, and internal and external controls. <i>Fall, Spring.</i> | | | Electronic Journalism II: PR: RTV 3301, RTV 3260C, and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering strategies learned in RTV 3301 are integrated into a newsgathering context for actual production of analog and digital radio and television news packages. <i>Fall, Spring.</i> | | |
| RTE 4563 | HPA-HP | 2(2,0) | RTV 3101 | COS-R/TV | 3(1,2) | RTV 3942L | COS-R/TV | 1-3(0,3-9) |
| Special Radiographic Procedures: PR: RTE 3513C or C.I. Principles of nonvascular invasive procedures, including myelography, cholangiography, hysterosalpingography, and bronchography. <i>Occasional.</i> | | | Broadcast Copywriting: PR: RTV Majors only, Grammar Proficiency Examination and School Typing Exam. Preparation of written public service and commercial copy for radio and television. <i>Occasional.</i> | | | 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 S/U. May be repeated for credit. <i>Occasional.</i> | | |
| RTE 4573 | HPA-HP | 3(3,0) | RTV 3200 | COS-R/TV | 3(3,0) | RTV 4206C | COS-R/TV | 3(2,1) |
| 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. <i>Fall.</i> | | | Production Fundamentals and Aesthetics of Electronic Media: PR: or CR: RTV 3007 or C.I. Technical and creative concepts of analog and digital electronic media production for radio, television, and multimedia delivery systems. <i>Fall, Odd Spring.</i> | | | Television Directing: PR: RTV 3228C, RTV 3260C, and RTV Major - Production Specialization. Preparation and direction of programs, using both digital and analog resources, with emphasis on dramatic value and composition. Students should expect significant work in the RTV facility outside of class. <i>Fall, Even Spring.</i> M&S fee: \$30.00 | | |
| RTE 4574 | HPA-HP | 1(1,0) | RTV 3210C | COS-R/TV | 3(2,1) | RTV 4211C | COS-R/TV | 3(2,1) |
| Computed Tomography Protocols: PR: Senior level status in Radiologic Sciences program. Examines the application of imaging techniques accomplished by multideetector row computed tomography acquisition. <i>Fall.</i> | | | Audio Production I: PR: RTV 3200 and RTV Major-Production Specialization. Audio production theory and recording techniques utilizing various microphone types, and digital non-linear audio computer-based editing equipment. Students should expect significant work in the RTV facility outside of class. <i>Fall, Spring.</i> M&S fee: \$30.00 | | | Audio Production II: PR: RTV 3210C and RTV Major. Creating the sound design and multiple track recording in the analog and digital domain. Students should expect significant work in the RTV lab facility outside of class. <i>Occasional.</i> M&S fee: \$15.00 | | |
| RTE 4579 | HPA-HP | 1(1,0) | RTV 3223C | COS-R/TV | 3(2,1) | RTV 4271C | COS-R/TV | 3(2,1) |
| Magnetic Resonance Imaging Protocols: PR: Senior Level status in Radiologic Sciences Program. Provides overview of imaging protocols used for specific MRI procedures. Content includes patient screening, safety procedures, patient positioning, coil and accessory device selection and use. <i>Fall.</i> | | | Lighting for Video: PR: RTV 3228C or RTV 3260C, and RTV Major - Production Specialization. Basic lighting techniques for both studio and location, single and multiple-camera video production. Students should expect significant work in the RTV facility outside of class. <i>Odd Fall, Spring.</i> M&S fee: \$30.00 | | | Radio Production and Programming: PR: RTV 3200 and RTV Major - Production or Broadcast Generalist Specialization. Study and production of current radio formats, the integration of digital resources, and their effects on today's radio listener. Students should expect significant work in the RTV lab facility outside of class. <i>Fall.</i> | | |
| RTE 4762 | HPA-HP | 3(3,0) | RTV 3228C | COS-R/TV | 4(3,1) | RTV 4280C | COS-R/TV | 3(2,1) |
| Anatomy for the Medical Imager: A study of the normal anatomical structures and interrelationships of structures as demonstrated in a radiographic and cross-sectional imaging reference. <i>Fall.</i> | | | Studio Television Production: PR: RTV 3200 and RTV major - Production Specialization. Analog and digital television studio production including audio mixers, microphones, tape recorders, cameras, video switchers, lighting, and electronic graphics. Students should expect significant work in the RTV facility outside of class. <i>Odd Fall, Even Spring.</i> M&S fee: \$30.00 | | | 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. <i>Occasional.</i> M&S fee: \$15.00 | | |
| RTE 4782 | HPA-HP | 2(2,0) | RTV 3234C | COS-R/TV | 3(2,1) | RTV 4281C | COS-R/TV | 3(2,1) |
| Pathophysiology: PR: C.I. The study of radiologic science in the diagnosis and treatment of disease. <i>Spring.</i> | | | Broadcast Announcing and Performance: PR: RTV Major, Junior standing, and C.I. Communication problems on camera and microphone. Development of performance skills in announcing, interviewing, narrating, and reporting. Students should expect significant work in the RTV facility outside of class. <i>Odd Fall, Odd Spring.</i> M&S fee: \$15.00 | | | 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. <i>Occasional.</i> M&S fee: \$15.00 | | |
| RTE 4824L | HPA-HP | 5(0,20) | RTV 3260C | COS-R/TV | 4(3,1) | RTV 4320C | COS-R/TV | 4(1,3) |
| Clinical Education III: PR: RTE 3814L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on the pelvis, bony thorax, vertebral column and mobile radiography. <i>Occasional.</i> | | | Single Camera Video Production and Editing: PR: RTV 3200 and RTV Major- Production Specialization or Broadcast Journalism Specialization. Technical and aesthetic requirements of analog and digital single-camera video production and editing, including techniques for electronic news gathering (ENG) and electronic field production (EFP). Students should expect significant work in the RTV facility outside of class. <i>Fall, Spring.</i> M&S fee: \$30.00 | | | Television News: PR: RTV 3304 and RTV Major - Broadcast Journalism Specialization or C.I. Production of weekly campus newscast. Daily newsgathering and production decisions are conducted by students under the advisement of the instructor functioning as news director. Students should expect significant work in the RTV lab facility outside of class. <i>Fall, Spring.</i> M&S fee: \$15.00 | | |
| RTE 4834L | HPA-HP | 6(0,24) | RTV 3263C | COS-R/TV | 3(2,1) | RTV 4322C | COS-R/TV | 3(2,1) |
| Clinical Education IV: PR: RTE 4824L. Supervised clinical practice in radiographic/fluoroscopic procedures, mobile radiography and rotations through specialized imaging. <i>Fall.</i> | | | Advanced Video Post-Production: PR: RTV 3260C and RTV Major - 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. <i>Fall, Spring.</i> M&S fee: \$15.00 | | | 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. <i>Occasional.</i> | | |
| RTE 4844L | HPA-HP | 2(0,8) | | | | | | |
| Clinical Education V-A: PR: RTE 4834L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the cranium, facial bones, sinuses and special procedures. <i>Spring.</i> | | | | | | | | |
| RTE 4846L | HPA-HP | 4(0,16) | | | | | | |
| Clinical Education V-B: PR: RTE 4834L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the cranium, facial bones, sinuses and special procedures. <i>Spring.</i> | | | | | | | | |
| RTE 4854L | HPA-HP | 4(0,16) | | | | | | |
| Advanced Clinical Practicum: PR: RTE 4834L or RTE 4846L or Admission to AS to BS Transfer Program. Supervised clinical practice in computed tomography, interventional radiology, cardiac catheterization, magnetic resonance, mammography, trauma or pediatrics. <i>Fall, Spring.</i> | | | | | | | | |

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|--|----------|--------|--|-----------|--------|--|-----------|--------|
| RTV 4403 | COS-R/TV | 3(3,0) | SCE 4360 | ED-TLP | 4(3,2) | SOP 3724 | COS-PSYCH | 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. <i>Fall, Spring.</i> | | | 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. <i>Fall, Spring.</i> M&S fee: \$8.00 | | | The Psychology of Racial Prejudice: PR: PSY 2012. Examination of literature relating to prejudice toward ethnic groups; effects of racism on individuals, development and maintenance of prejudice, and possible ways to reduce prejudice. <i>Even Spring.</i> | | |
| RTV 4503 | COS-R/TV | 3(3,0) | SCE 4361 | ED-TLP | 3(3,0) | SOP 3742 | COS-PSYCH | 3(3,0) |
| Sports Programming on Broadcast and Cable: PR: RTV 3007 or C.I. An examination of the factors that determine how sporting events are constructed for programming on broadcast stations and cable systems. <i>Occasional.</i> | | | Programs in Teaching Science: 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. <i>Spring.</i> | | | 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. <i>Fall, Spring.</i> | | |
| RTV 4505 | COS-R/TV | 3(2,1) | SCE 5315 | ED-TLP | 3(3,0) | SOP 3751 | COS-PSYCH | 3(3,0) |
| Program Issues for TV & Motion Pictures: PR: RTV 3007 or FIL 2030 or C.I. An examination of program development theories, strategies and issues in the television and motion picture industries. Students should expect significant work in the RTV lab facility outside of class. <i>Occasional.</i> | | | Methods in Elementary School Science: PR: EDG 4323. Organization of instruction in elementary school science including methods, evaluation, materials, strategies, and current practices. <i>Spring.</i> | | | Legal Aspects of Psychology: PR: PSY 2012 or SYG 2000; PPE 3003 or C.I. Ethical and legal dilemmas and issues in the practice of psychology. <i>Fall.</i> | | |
| RTV 4700 | COS-R/TV | 3(3,0) | SCE 5325 | ED-TLP | 3(3,0) | SOP 3784 | COS-PSYCH | 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. <i>Fall.</i> | | | Teaching Middle School Science: PR: EDG 6236 or C.I. This course will provide experiences that promote effective science teaching in grades 5-9 including interdisciplinary teaming, technology use, ESOL, and inquiry in science. <i>Occasional.</i> | | | Psychology of Diversity: PR: PSY 2012. A review of the contributions of psychology to the understanding of human diversity related to ethnic background, gender, sexuality, and belief systems. <i>Occasional.</i> | | |
| RTV 4800 | COS-R/TV | 3(3,0) | SCE 5337 | ED-TLP | 3(3,0) | SOP 5059 | COS-PSYCH | 3(3,0) |
| Broadcast Management: PR: RTV Majors only, RTV 4700. Examination of broadcast management problems in station operations at local, regional, and national levels. <i>Odd Spring.</i> | | | Issues and Methods in Secondary School Science: PR: EDG 6236 or C.I. Secondary science education special methods course is designed to augment students' understanding of instructional methods and their applications to middle and high school science curriculum. <i>Fall, Spring.</i> | | | Advanced Social Psychology: PR: SOP 3004, graduate status or senior standing, or C.I. The major findings and theories in social psychology including an in-depth review of relevant research. <i>Occasional.</i> | | |
| RUS 1120 | CAH-LANG | 4(4,1) | SCE 5836 | ED-TLP | 3(3,0) | SOW 2020 | HPA-SOWK | 3(3,0) |
| Elementary Russian Language and Civilization I: Introduces the student to Russian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. <i>Occasional.</i> | | | Space Science for Educators: PR: Senior standing or C.I. Introduction to space science, manned space flight, and space education curriculum. <i>Occasional.</i> | | | 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. <i>Fall.</i> | | |
| RUS 1121 | CAH-LANG | 4(4,1) | SLS 1501 | ED-ES | 3(3,0) | SOW 3104 | HPA-SOWK | 3(3,0) |
| Elementary Russian Language and Civilization II: PR: RUS 1120 or equivalent. Continuation of RUS 1120. <i>Occasional.</i> | | | 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. <i>Fall, Spring.</i> | | | Assessing I: Human Development: Skill development in assessing "person-in-environment" throughout life cycle. Study interaction of bio-psycho-social, cultural, and systemic influences on human functioning. Open to non-majors and pending social work majors. <i>Fall.</i> | | |
| RUS 2200 | CAH-LANG | 3(3,1) | SLS 2261C | ED-ES | 2(2,1) | SOW 3111 | HPA-SOWK | 3(3,0) |
| Intermediate Russian Language and Civilization I: PR: RUS 1121 or equivalent. Development of language skills and cultural knowledge at the intermediate level. <i>Occasional.</i> | | | Student Organization Leadership: Application of leadership and organizational development paradigms, theories, and approaches for emerging and established student leaders. <i>Occasional.</i> | | | Assessing II: Human Systems: PR: SOW 3104. Development of skills in assessing families, groups, organizations, and communities, their impact on human functioning, and their potential for providing social support. <i>Spring.</i> | | |
| RUS 2201 | CAH-LANG | 3(3,1) | SLS 2311C | COM-M&M | 2(2,1) | SOW 3203 | HPA-SOWK | 3(3,0) |
| Intermediate Russian Language and Civilization II: PR: RUS 2200 or equivalent. Continuation of RUS 2200, with emphasis on Russian civilization. <i>Occasional.</i> | | | Overview of Select Medical Careers: An overview of the pre-health professions process for careers in medicine, dentistry, veterinary, optometry, pharmacy, podiatry, and chiropractic. <i>Spring.</i> | | | Social Work & Community Resources: PR: Jr. Standing or C.I. open to non-majors. Generalist social work practice, including the structure of American social welfare, values and ethics of social work and community resources. <i>Fall.</i> | | |
| RUS 2210 | CAH-LANG | 3(3,0) | SLS 2715 | ED-ES | 2(2,0) | SOW 3300 | HPA-SOWK | 3(2,1) |
| Intensive Russian Conversation: PR: One year of Russian or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. <i>Occasional.</i> | | | Peer Educator Leadership: PR: Orientation Team Members or C. I. Training peer educators in helping strategies applicable to their peer leadership positions. <i>Fall, Spring.</i> | | | Practice I: PR: Admin. to Social Work Program. Generalist Practice in Social Work: Study of social work functions, knowledge, values, and skills. Development of ability to use a generalist model of practice. <i>Fall.</i> | | |
| RUS 3240 | CAH-LANG | 3(3,0) | SOP 2772 | COS-PSYCH | 3(3,0) | SOW 3352 | HPA-SOWK | 3(1,2) |
| Russian Conversation: PR: RUS 2201 or equivalent. Development of skills in conversation and comprehension through practice. <i>Occasional.</i> | | | Sexual Behavior: PR: PSY 2012. Physiological, social, and clinical aspects of human sexuality. <i>Fall.</i> | | | Practice II: PR: SOW 3300. Interpersonal Skills in Social Work: PR or CR: SOW 3300. Study and practice of interviewing, group leadership, written communication, and oral presentations, in consensual as well as conflictual contexts of social work. <i>Spring.</i> | | |
| RUS 3760 | CAH-LANG | 3(3,0) | SOP 3004 | COS-PSYCH | 3(3,0) | SOW 3401 | HPA-SOWK | 3(3,0) |
| Advanced Russian Oral Communication: PR: RUS 2201 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. <i>Occasional.</i> | | | Social Psychology: PR: PSY 2012. Effects of social situations and social variables on the behavior of individuals. <i>Fall, Spring.</i> | | | Social Work Research: PR: STA 2014C or STA 2023. Study of quantitative and qualitative methods of building knowledge for social work and the ethical use of research in professional practice. <i>Spring.</i> | | |
| SCE 3310 | ED-TLP | 3(3,0) | SOP 3723 | COS-PSYCH | 3(3,0) | SOW 3620 | HPA-SOWK | 3(3,0) |
| Teaching Science in Elementary School: PR: Junior standing or C.I. Selected concepts; organizing for instruction; techniques; evaluation procedures. <i>Fall, Spring.</i> M&S fee: \$5.25 | | | Cross Cultural Psychology: PR: PSY 2012. Exploration of theories, issues, and research concerned with the psychological understanding of under-represented minority groups. <i>Odd Spring.</i> | | | Social Work with Diverse Populations: PR: SOW 3203 and SOW 3104; PR or CR: SOW 3300. Social work intervention and skill development needed to serve oppressed groups. <i>Spring.</i> | | |
| 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. <i>Fall.</i> | | | | | | | | |

UCF Courses and Descriptions

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| <p>SOW 4232 HPA-SOWK 3(3,0) Social Welfare Policies and Issues: PR: SOW 3203 or equivalent. Development of skills needed to critically analyze social welfare goals, structures, and practices. Proposes improvements in societal resource systems. <i>Fall.</i></p> | <p>SOW 4730 HPA-SOWK 3(3,0) Documentation in Social Work Practice: PR: SOW 3300 and SOW 3352. For Social Work majors only. Development of documentation skills for the delivery of social work services in various agency settings. <i>Fall.</i></p> | <p>SOW 5532 HPA-SOWK 2(2,0) Generalist Field Education I: PR: Admission to MSW Progl. Supervised practice of social work in an agency for 224 clock hours. Graded S/U. <i>Fall, Even Spring.</i></p> |
| <p>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. <i>Fall.</i></p> | <p>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. <i>Occasional.</i></p> | <p>SOW 5533 HPA-SOWK 2(2,0) Generalist Field Education II: PR: MSW. Continuation of SOW 5532 Generalist Field Education I in the same field agency for 224 clock hours. Graded S/U. <i>Odd Fall, Spring.</i></p> |
| <p>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. <i>Fall.</i></p> | <p>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. <i>Fall.</i></p> | <p>SOW 5534 HPA-SOWK 1(1,0) Generalist Field Education Integrative Seminar I: PR: Admission to MSW program. CR: SOW 5532. Seminar designed to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded S/U. <i>Fall.</i></p> |
| <p>SOW 4431 HPA-SOWK 3(2,1) Evaluating Social Work Practice and Service Programs: PR: SOW 3401, SOW 3300. The study of systematic data collection and of measurement of change in individuals, families, groups, programs, and communities. <i>Occasional.</i></p> | <p>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. <i>Spring.</i></p> | <p>SOW 5538 HPA-SOWK 3(3,0) Full-Time MSW Generalist Field Education and Seminar I: PR: Graduate standing or C.I.; CR: SOW 5305. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 250 clock hours. Graded S/U. <i>Occasional.</i></p> |
| <p>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. <i>Spring.</i></p> | <p>SOW 5109 HPA-SOWK 3(3,0) Violence Against Women: A Global Perspective: PR: Graduate status or C.I. An introduction to the types of violence that impact women from a global perspective. Community, political, and economic issues that support violence against women will be discussed by country, ethnic group(s) within countries, and religious principles. <i>Odd Spring.</i></p> | <p>SOW 5539 HPA-SOWK 3(3,0) Full-Time MSW Generalist Field Education and Seminar II: PR: SOW 5538; CR: SOW 5306. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 250 clock hours. Graded S/U. <i>Occasional.</i></p> |
| <p>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. <i>Spring.</i></p> | <p>SOW 5132 HPA-SOWK 3(3,0) Diverse Client Populations: Study of human diversity, focusing on the needs, resources, problems, and service issues of several identified minority client populations. <i>Spring.</i></p> | <p>SOW 5546 HPA-SOWK 1(1,0) Generalist Field Education Integrative Seminar I I: PR: Admission to MSW program. CR: Generalist Field Education II. Continuation of generalist field education integrative seminar 1 to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded S/U. <i>Spring.</i></p> |
| <p>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. <i>Fall.</i></p> | <p>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. <i>Fall.</i></p> | <p>SOW 5565 HPA-SOWK 2(2,0) Part-Time MSW Generalist Field Education and Seminar I: PR: SOW 5305; CR SOW 5306. Field education for part-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 180 clock hours. Graded S/U. <i>Occasional.</i></p> |
| <p>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. <i>Fall.</i></p> | <p>SOW 5305 HPA-SOWK 3(3,0) Social Work Practice I: Generalist Practice: Study of social work functions, knowledge, values, roles and skills; the use of a generalist model of practice. <i>Fall.</i></p> | <p>SOW 5566 HPA-SOWK 2(2,0) Part-Time MSW Generalist Field Education and Seminar II: PR: SOW 5565; CR: SOW 5306. Field Education for part-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 180 clock hours. Graded S/U. <i>Occasional.</i></p> |
| <p>SOW 4650 HPA-SOWK 3(3,0) Child Abuse: Treatment and Prevention: PR: SOW 3300 and Admission to BSW program or C.I. The social worker's role and interventions with victims of child abuse and their family members. <i>Spring.</i></p> | <p>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. <i>Spring.</i></p> | <p>SOW 5567 HPA-SOWK 2(2,0) Part-Time MSW Generalist Field Education and Seminar III: 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. <i>Occasional.</i></p> |
| <p>SOW 4654 HPA-SOWK 3(3,0) Children's Services: PR: or CR: SOW 3104. Study of societal responses to children's needs. Development of skills for preventing family breakdown, placing children in alternative care, and reuniting children with their families. <i>Fall, Spring.</i></p> | <p>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. <i>Occasional.</i></p> | <p>SOW 5603 HPA-SOWK 3(3,0) Social Work in Health Settings: PR: Graduate standing or C.I. Study of social work roles, interventions, and issues related to helping clients in health settings. <i>Spring.</i></p> |
| <p>SOW 4673 HPA-SOWK 3(3,0) Social Work Practice: The Gay and Lesbian Experience: PR: SOW 3104 or C.I. Sexual orientation and cultural diversity, policies and resources affecting gay & lesbian people, community based therapeutic and preventive interventions with gay & lesbian clients. <i>Even Spring.</i></p> | <p>SOW 5387 HPA-SOWK 3(3,0) nonprofit Resource Development: PR: Admission to certificate program or C.I. Resource Development in nonprofit organizations, including board development and leadership, volunteer program development, staff development, grant funding, fundraising, marketing, and government contract development and management. <i>Occasional.</i></p> | <p>SOW 5624 HPA-SOWK 3(3,0) Social Work Practice in Mexican Culture: PR: C.I. The practice of social work in Mexican culture through cultural immersion, seminars, field visits and language instruction. <i>Occasional.</i></p> |
| <p>SOW 4705 HPA-SOWK 3(3,0) Prevention and Treatment of Adolescent Substance Abuse: PR: Junior Standing. An in-depth review of prevention, intervention, and treatment, recovery and relapse issues and public policies regarding adolescents with substance abuse problems. <i>Even Fall, Spring.</i></p> | <p>SOW 5404 HPA-SOWK 3(3,0) Social Work Research: Study of group research designs in social work; quantitative analyses; and related ethical issues. <i>Fall.</i></p> | <p>SOW 5625 HPA-SOWK 3(3,0) Social Work with Women: Alternative approaches to the treatment of women in the urban setting. <i>Occasional.</i></p> |
| <p>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. <i>Fall, Even Spring.</i></p> | <p>SOW 5432 HPA-SOWK 3(3,0) Evaluating Social Work: Study of single case designs in social work; recording methods; behavioral and standardized measures; applications to individuals, families, groups, programs, communities. <i>Occasional.</i></p> | <p>SOW 5635 HPA-SOWK 3(3,0) Social Work Practice in Schools: PR: Social Work Graduate standing or C.I. Study of knowledge, skills and abilities necessary for competent practice with students, their teachers, families, schools and communities. <i>Even Spring.</i></p> |

SOW 5642 HPA-SOWK 3(3,0)
Aging In Social Situations: PR: Admission to MSW program or Gerontology Certificate Program or C.I. Knowledge about elderly in social situations or environmental context. *Occasional.*

SOW 5644 HPA-SOWK 3(3,0)
Interventions with Elderly and Their Families: PR: Admission to Gerontology graduate certification program or MSW program or C.I. Study of concepts, skills, models and theories for intervening with aged. Special attention is given to minority populations. *Even Spring.*

SOW 5652 HPA-SOWK 3(3,0)
Children Services in Social Work: PR: Graduate standing. Study of societal responses to children's needs. Development of skills for preventing family breakdown, placing children in alternative care, and reuniting children with their families. *Even Spring.*

SOW 5662 HPA-SOWK 3(3,0)
Strategies in Employee Assistance Programs: Techniques for establishing, providing, and evaluating services to people with problems which affect job performance. *Occasional.*

SOW 5670 HPA-SOWK 3(3,0)
Gay and Lesbian Experience in American Society: PR: seniors or graduate status. Sexual orientation in a cultural context: resources and policies affecting gay and lesbian people; and professional considerations in interventions with and for gay and lesbian clients. *Occasional.*

SOW 5712 HPA-SOWK 3(3,0)
Interventions with Substance Abusers: Strategies for working with persons who abuse drugs, alcohol, and other substances. *Odd Fall, Spring.*

SOW 5713 HPA-SOWK 3(3,0)
Prevention and Treatment of Adolescent Substance Abuse: PR: Graduate Status or C.I. An in-depth review of prevention, intervention and treatment of Adolescent Substance Abuse. *Even Spring.*

SOW 5735 HPA-SOWK 3(3,0)
Documentation Skills for Helping Professionals: PR: MSW Social Work Students, C.I. Study of documentation skills and record keeping for helping professionals. *Occasional.*

SOW 5756 HPA-SOWK 3(3,0)
Introduction to Forensic Social Work Theory and Practice: PR: Graduate standing or C.I. Course develops the understanding of the role of social workers within the course and criminal justice system. *Occasional.*

SPA 3002 HPA-COM SC&DIS 3(3,0)
Introduction to Communication Disorders: PR: PSY 2012 or SYG 2000. Etiology, symptoms, and methods of diagnosing and treating communication disorders. For beginning and prospective majors in Communication Sciences and Disorders. *Occasional.*

SPA 3011 HPA-COM SC&DIS 3(3,0)
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 3011L HPA-COM SC&DIS 1(0,1)
Speech Production Lab: PR: SPA 3112. CR: SPA 3011. Physiological and acoustic measurement of speech production. Graded S/U. *Fall, Spring.*

SPA 3101 HPA-COM SC&DIS 3(3,0)
Physiological Bases of Speech and Hearing: PR: or CR: SPA 3471. An introduction to the anatomical, physiological, and physical elements underlying the communication process. *Fall, Spring.*

SPA 3104 HPA-COM SC&DIS 3(3,0)
Neural Bases of Communication: PR: or CR: SPA 3471. Structures and functions of the nervous system involved in communication and its disorders. *Fall, Spring.*

SPA 3112 HPA-COM SC&DIS 3(3,0)
Basic Phonetics: CR: SPA 3112L. Physiological descriptions and visual notation of standard speech patterns and regional dialects. *Fall, Spring.*

SPA 3112L HPA-COM SC&DIS 1(0,1)
Basic Phonetics Lab: CR: SPA 3112. Practice in the transcription of normal and deviant speech samples. Graded S/U. *Fall, Spring.*

SPA 3123 HPA-COM SC&DIS 3(3,0)
Speech Science II: Perception: PR: SPA 3112, SPA 3011. CR: SPA 3123L. How the perception of human speech differs from that of other auditory signals. *Fall, Spring.*

SPA 3123L HPA-COM SC&DIS 1(0,1)
Speech Perception Lab: CR: SPA 3123. Laboratory techniques used in investigating human speech perception. Graded S/U. *Fall, Spring.*

SPA 3471 HPA-COM SC&DIS 3(3,0)
Communication Disorders in Literature and Media: PR: PSY 2012 or SYG 2000. Exploration of communication disorders in literature and media, emphasizing psychosocial, academic, vocational, and familial challenges as well as society's perceptions of individuals with communication disorders. *Fall, Spring.*

SPA 3472 HPA-COM SC&DIS 3(3,0)
Guidance of Young Children with Communication Disorders: PR: SPA 3471. Social/emotional and behavioral difficulties of children with communication disorders; positive child guidance and behavioral management strategies for clinicians and parents. *Fall, Spring.*

SPA 3632 HPA-COM SC&DIS 3(3,0)
Communication Disorders in the Deaf and Hard of Hearing Population: PR: ASL 2510 or C.I. Speech, language, and hearing problems in the D/HH population, including etiology, pathology, and management of hearing disorders. *Occasional.*

SPA 4032 HPA-COM SC&DIS 3(3,0)
Audiology: PR: SPA 3101. Physics of sound, anatomy of hearing mechanism, pure tone audiometry, hearing aids, problems of the deaf and hard of hearing. Clinical skills development required. *Fall, Spring.*

SPA 4056C HPA-COM SC&DIS 5(3,2)
Clinical Methods in Communication Disorders: PR: SPA 4476 or SPA 4400. Principles and techniques of case management with emphasis on designing individualized treatment programs for individuals with communication disorders. Students will complete 25 observation hours. *Fall, Spring.*

SPA 4201 HPA-COM SC&DIS 3(3,0)
Articulation And Phonological Disorders: PR: SPA 3002, SPA 3112. The etiology, assessment, and management of articulation and phonological disorders, including those associated with structural variations and neuromotor disorders. *Occasional.* M&S fee: \$15.00

SPA 4241 HPA-COM SC&DIS 3(3,0)
Genetic Aspects of Communication Disorders: PR: BSC 2010C, Junior or senior standing. Theoretical framework for understanding human genetics and the genetic aspects of communication and feeding disorders. *Spring.*

SPA 4321 HPA-COM SC&DIS 3(3,0)
Audiologic Rehabilitation: PR: SPA 3011, SPA 3123, and SPA 4032. Principles and procedures in the use of residual hearing, auditory training, speech reading, and the use of hearing aids. *Fall, Spring.*

SPA 4400 HPA-COM SC&DIS 3(3,0)
Language Disorders Across the Life Span: PR: LIN 3717. Etiology, assessment, and management of language disorders in children, adolescents, and adults, including those associated with autism, traumatic brain injury, learning disabilities, and dementia. *Fall, Spring.*

SPA 4476 HPA-COM SC&DIS 3(3,0)
Speech Disorders Across the Lifespan: PR: SPA 3471, SPA 3101, and SPA 3112. Causes and characteristics of speech and swallowing disorders in children and adults, including those affecting articulation, phonation, resonance, fluency, and feeding and swallowing. *Fall, Spring.*

SPA 4478 HPA-COM SC&DIS 3(3,0)
Multicultural Aspects of Communication Disorders & Differences: PR: LIN 3716. Cultural and linguistic diversity among individuals with communication disorders and differences. Special emphasis on African, Hispanic, Asian, and Native American. *Fall, Spring.*

SPA 4501L HPA-COM SC&DIS 3(0,3)
Undergraduate Clinical Practicum: PR: SPA 4056C; either SPA 4400 or SPA 4476, and Senior Status. Students must apply and be invited to enroll in practicum. Supervised clinical practicum for select undergraduate students in the management of language or articulation disorders. *Fall, Spring.* M&S fee: \$45.00

SPA 4555 HPA-COM SC&DIS 3(3,0)
Counseling in Communication Disorders: PR: SPA 4550C or C.I. Practical interviewing and counseling in the area of communication disorders. *Spring.*

SPA 4580 HPA-COM SC&DIS 3(3,0)
Augmentative and Alternative Communication Systems: PR: LIN 3717 or C.I. The total integrated network of techniques, aids, strategies, and skills individuals use to supplement or replace inadequate natural speaking ability. *Occasional.*

SPA 4634 HPA-COM SC&DIS 3(3,0)
Educational Implications of Deafness: PR: ASL 2510. Impact of deafness on the educational process. The impact of deafness on the individual, their family, and the classroom will be discussed. *Occasional.*

SPA 4803 HPA-COM SC&DIS 3(3,0)
Research Methods in Communication Sciences and Disorders: PR: STA 2014C or STA 2023. Approaches, methods, and techniques of research in Communication Sciences and Disorders are considered through lecture, discussion, and group participation. *Fall, Spring.*

SPA 4870C HPA-COM SC&DIS 3(2,1)
Capstone Course: PR: PR or CR: SPA 4056C and senior status. Integration of essential topics in communication sciences and disorders through curriculum content reviews and community experiences. *Fall, Spring.*

SPA 4948 HPA-COM SC&DIS 3(0,3)
Community Internship: PR: SPA 4056C and Senior Status. Supervised interaction and planned activities with individuals experiencing communication disorders in community settings, including Head Start, public schools, clinics, skilled nursing and assisted living facilities. *Fall, Spring.*

SPA 5473 HPA-COM SC&DIS 3(3,0)
Multicultural Aspects of Communication Differences and Disorders: PR: Graduate standing. Introduction to cultural and linguistic diversity among individuals with communication differences and disorders. Special emphasis on African, Hispanic, Asian, and Native-American cultures. *Occasional.*

SPA 5554 HPA-COM SC&DIS 3(3,0)
Counseling in Communicative Disorders: PR: Senior Status or C.I. Interviewing and counseling for individuals with communication disorders and their families. *Spring.*

UCF Courses and Descriptions

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|---|----------------|--------|---|----------|--------|--|----------|----------|
| SPA 5564 | HPA-COM SC&DIS | 3(3,0) | SPC 1600H | COS-COMM | 3(3,0) | SPM 5155 | ED-CFCS | 3(3,0) |
| Aging and Communication: PR: Senior status or C.I. Study of the changes in communication with normal aging, focusing on assessment and management of older individuals with communication disorders. <i>Occasional.</i> | | | Honors Fundamentals of Oral Communication: PR: Consent of Honors. Communication theory and its application to preparing and delivering public speeches. University Honors program. Same as SPC 1600 with honors-level content. <i>Occasional.</i> | | | Introduction to Sports Administration: PR: C.I. This course will provide an overview of the sports industry. Fundamental leadership administration and research theories as well as information on current issues are emphasized. <i>Occasional.</i> | | |
| SPB 3003 | BA-BUS | 3(3,0) | SPC 3301 | COS-COMM | 3(1,2) | SPM 5308 | ED-CFCS | 3(3,0) |
| Introduction to Sport Business Management: PR: Admission to a business major. The sport industry and the principles and applications of sport business management in professional, collegiate, and Olympic sport. <i>Occasional.</i> | | | Interpersonal Communication: Nature of the communication process; variables affecting the process and the individuals involved. Analysis of communication models, interactant behavior, situational cues, verbal and non-verbal messages. <i>Fall, Spring.</i> | | | Marketing and Promoting Sports and Fitness Programs: PR: C.I. Introduces students to all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events. <i>Occasional.</i> | | |
| SPB 3503 | BA-BUS | 3(3,0) | SPC 3425C | COS-COMM | 3(2,1) | SPM 5506 | ED-CFCS | 3(3,0) |
| Ethics in Sport Business: PR: SPB 3003. The ethics and moral issues in sport and their business implications focusing on the responsibilities of decision makers in professional, collegiate, and Olympic sport. <i>Occasional.</i> | | | Group Interaction and Decision-Making: PR: COM 3311. A study of small group processes. Attention is given to problem solving, leadership emergence, conformity behavior, and group member role responsibilities. <i>Odd Fall, Spring.</i> | | | Financial Issues in Sports and Fitness: PR: C.I. Examines basic financial concepts including understanding annual reports, developing budgets, financial analysis, and examining methods for increasing revenue and controlling cost in the sport industry. <i>Occasional.</i> | | |
| SPB 3603 | BA-BUS | 3(3,0) | SPC 3445 | COS-COMM | 3(3,0) | SPN 1120C | CAH-LANG | 4(3,1) |
| Diversity and Social Issues in Sport Business Management: PR: SPB 3003. Diversity, social issues, social responsiveness, and financial performance in professional, collegiate, and Olympic sport. <i>Occasional.</i> | | | Leadership Through Oral Communication: PR: COM 3120 and COM 3311 or C. I. Investigation of leadership in oral communication situations, principles of effective leadership, and leadership in problem solving. <i>Fall.</i> | | | Elementary Spanish Language and Civilization I: Introduces the student to Spanish culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. <i>Fall, Spring.</i> | | |
| SPB 3823 | BA-BUS | 3(3,0) | SPC 3513 | COS-COMM | 3(1,2) | SPN 1120H | CAH-LANG | 4(4,1) |
| The Role of Business Entrepreneurship in Sports/Entertainment: PR: Junior Standing. Analyzes business entrepreneurship in sport/entertainment by examining various entrepreneurs and cultural movements in business organizations. Theories/concepts of business and entrepreneur behavior are applied. <i>Occasional.</i> | | | Argumentation and Debate: PR: SPC 1600 or C.I. Study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. <i>Occasional.</i> | | | Honors Elementary Spanish Language and Civilization I: PR: Permission of Honors. Introduces the student to Spanish culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors-level content. <i>Occasional.</i> | | |
| SPB 4104 | BA-BUS | 3(3,0) | SPC 3602 | COS-COMM | 3(1,2) | SPN 1121C | CAH-LANG | 4(3,1) |
| Intercollegiate Sport Industry: PR: SPB 3003. The structure, evolution and governance of intercollegiate sport management and a framework for sound business decision making. <i>Occasional.</i> | | | Advanced Public Speaking: PR: SPC 1600C or C.I. Advanced training in selecting and organizing materials for various types of speeches. Practice in thinking and speaking before audiences. <i>Occasional.</i> | | | Elementary Spanish Language and Civilization II: PR: SPN 1120C or equivalent. Continuation of SPN 1120C. <i>Fall, Spring.</i> | | |
| SPB 4204 | BA-BUS | 3(3,0) | SPC 4331 | COS-COMM | 3(3,0) | SPN 1121H | CAH-LANG | 4(4,1) |
| Professional Sport Industry: PR: SPB 3003. The structure, evolution and governance of professional sport management and a framework for sound business decision making. <i>Occasional.</i> | | | Nonverbal Communication: PR: COM 3311. Review of current behavioral research in such areas as proxemics, kinesics, physical characteristics, tactile communication, and paralinguistics. Lectures are supplemented by frequent nonverbal exercises. <i>Fall, Spring.</i> | | | Honors Elementary Spanish Language and Civilization II: PR: Permission of Honors and SPN 1120H or equivalent. Same as SPN 1121H with honors-level content. <i>Occasional.</i> | | |
| SPB 4304 | BA-BUS | 3(3,0) | SPC 4426 | COS-COMM | 3(3,0) | SPN 1150C | CAH-LANG | 8(4,4) |
| Sports Event and Facility Management: PR: SPB 3003. The principles of facility and event management in sport business and their applications in professional, collegiate, and Olympic sport. <i>Occasional.</i> | | | Group Dynamics: PR: COM 3311. Human behavior in group situations. <i>Fall, Even Spring.</i> | | | Intensive Beginning Spanish: Combines SPN 1120C and SPN 1121C in an intensive one-semester unit. Emphasis on speaking, listening, reading, and writing Spanish. For students with little or no background in the language. <i>Occasional.</i> | | |
| SPB 4404 | BA-BUS | 3(3,0) | SPC 4540 | COS-COMM | 3(3,0) | SPN 1170 | CAH-LANG | 8(16,10) |
| Sport Business Law: PR: SPB 3003. The legal framework for sport business management and its applications in professional, collegiate, and Olympic sport. <i>Occasional.</i> | | | Attitudes and Communication: PR: COM 3311. A survey of the immediate and direct ways in which persuasive communications and social groups come to influence attitudes. <i>Fall, Spring.</i> | | | Elementary Spanish Study Abroad: Elementary Spanish language and civilization taught in the native environment. <i>Occasional.</i> | | |
| SPB 4704 | BA-BUS | 3(3,0) | SPM 3130 | ED-CFCS | 3(3,0) | SPN 2200 | CAH-LANG | 3(3,1) |
| Sport Business Strategy: PR: SPB 3003. The skills and knowledge applicable to the process of building and sustaining excellent sport organizations. <i>Occasional.</i> | | | Aquatic Management: PR: Admission to B.S. in Sports and Fitness program or C.I. Requisite knowledge for developing and operating aquatics programs safely and effectively. <i>Fall, Spring.</i> | | | Intermediate Spanish Language and Civilization I: PR: SPN 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. <i>Fall, Spring.</i> | | |
| SPB 4804 | BA-BUS | 3(3,0) | SPM 3204 | ED-CFCS | 3(3,0) | SPN 2200H | CAH-LANG | 3(3,1) |
| Sport Business and Media: PR: SPB 3003. The structure and evolution of the interrelationship between sport and media and their business implications. <i>Occasional.</i> | | | Sports and Ethics: PR: Junior standing or C.I. An exploration into ethics and its influence on sports. <i>Fall, Spring.</i> | | | Honors Intermediate Spanish: PR: SPN 1121C or SPN 1121H and Consent of Honors. Development of language skills and cultural knowledge at the intermediate level. With Honors content. <i>Fall.</i> | | |
| SPC 1016 | COS-COMM | 3(3,0) | SPM 3415 | ED-CFCS | 3(3,0) | SPN 2201 | CAH-LANG | 3(3,1) |
| Fundamentals of Technical Presentations: Communication theory and its application to preparing and delivering technical information in public speaking situations. <i>Fall, Spring.</i> | | | Public Relations in Sports and Fitness: PR: Admission to program or C.I. Functions and responsibilities of a public relations professional or department and the interaction with the public and media representatives with specific application to sports and fitness professionals. <i>Fall.</i> | | | Intermediate Spanish Language and Civilization II: PR: SPN 2200 or equivalent. Continuation of SPN 2200, with emphasis on Spanish civilization. <i>Occasional.</i> | | |
| SPC 1016H | COS-COMM | 3(3,0) | SPM 3504 | ED-CFCS | 3(3,0) | SPN 2240 | CAH-LANG | 3(3,1) |
| Honors Fundamentals of Technical Presentation: PR: Permission of Honors. Communication theory and its application to preparing and delivering technical information in public speaking situations. With honors-level content. <i>Occasional.</i> | | | Fiscal and Facilities: Issues in Sports and Fitness: PR: Admission to program or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on fiscal management. <i>Fall.</i> | | | Intensive Spanish Conversation: PR: One year of Spanish or equivalent. Practical use of the language, leading toward fluency and correctness in speaking at the intermediate level. <i>Occasional.</i> | | |
| SPC 1600 | COS-COMM | 3(3,0) | SPM 4723 | ED-CFCS | 3(3,0) | | | |
| Fundamentals of Oral Communication: Communication theory and its application to preparing and delivering public speeches. <i>Fall, Spring.</i> | | | Legal Issues in Sports and Fitness: PR: Admission to program or C.I. Examination of the legal issues and problems encountered by sports and fitness professionals. <i>Fall.</i> | | | | | |

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|--|----------|--------|---|----------|--------|--|----------|--------|
| SPN 2241 | CAH-LANG | 3(3,0) | SPN 3512 | CAH-LANG | 3(3,0) | SPN 4801 | CAH-LANG | 3(3,0) |
| Spanish Conversation: PR: SPN 2201 or equivalent. Development of skills in conversation and comprehension through practice. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Spanish Morphosyntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Emphasizes the structure as well as the capacity for recognizing the differences between semantics, morphology, syntax, and phonology in the Spanish language, as well as the use and correct application of criterion when analyzing texts. Taught in Spanish. <i>Occasional.</i> | | |
| SPN 2340 | CAH-LANG | 3(3,0) | SPN 3760 | CAH-LANG | 3(3,0) | SPN 5502 | CAH-LANG | 3(3,0) |
| Spanish for Native Speakers: PR: Must be a native speaker. Intensive Spanish for native speakers who have had little or no formal training in the language. <i>Occasional.</i> | | | Advanced Spanish Oral Communication: PR: SPN 2201 or SPN 2240 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. <i>Fall, Spring.</i> | | | Hispanic Culture of the United States: PR: Graduate status or senior standing or C.I. An analysis of the Hispanic culture of the United States, past and present. <i>Occasional.</i> | | |
| SPN 2341 | CAH-LANG | 3(3,0) | SPN 3850 | CAH-LANG | 3(3,0) | SPN 5505 | CAH-LANG | 3(3,0) |
| Advanced Spanish for Native Speakers: PR: SPN 2340 or C.I. This course is the continuation of SPN 2340 geared towards native speakers and will complete the remaining grammatical topics as well as emphasize composition skills. <i>Occasional.</i> | | | Structure of the Spanish Language: PR: SPN 3420. Linguistic theory applied to analysis of Spanish language. Includes systematic study of sound patterns, semantics, word formations, and socializations. <i>Occasional.</i> | | | Spanish Peninsular Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish culture and civilization. <i>Occasional.</i> | | |
| SPN 2511 | CAH-LANG | 3(3,0) | SPN 3852 | CAH-LANG | 3(3,0) | SPN 5506 | CAH-LANG | 3(3,0) |
| Modern Spanish Civilization Abroad: PR: SPN 1120C & SPN 1121C. This intensive course will focus on modern Spanish culture using examples from present day society. Cultural visits and realia are essential components of this course. <i>Occasional.</i> | | | Bilinguismo: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. Spanish-English bilingualism in the United States. Models of language acquisition in bilinguals, domains of language use, maintenance, shift, transfer, diversity, attitudes, code-switching, attrition and contact. <i>Occasional.</i> | | | Spanish American Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish American culture and civilization. <i>Occasional.</i> | | |
| SPN 3140 | CAH-LANG | 3(3,0) | SPN 3933 | CAH-LANG | 1(1,0) | SPN 5705 | CAH-LANG | 3(3,0) |
| Business Spanish I: PR: SPN 2200 and SPN 2201 or equivalent. Basic business terminology, business culture, and business topics related to the Hispanic World. <i>Odd Fall.</i> | | | 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. <i>Fall, Spring.</i> | | | Introduction to Spanish Linguistics: 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. <i>Odd Fall.</i> | | |
| SPN 3141 | CAH-LANG | 3(3,0) | SPN 4143 | CAH-LANG | 3(3,0) | SPN 5825 | CAH-LANG | 3(3,0) |
| Business Spanish II: PR: C.I. Continuation of Business Spanish I. <i>Even Spring.</i> | | | Business Spanish IV: PR: C.I. Advanced course in business terminology and development of advanced language skills. <i>Odd Spring.</i> | | | Spanish Dialectology: PR: Graduate status or senior standing or C.I. This course is a survey of the diversity found within the Spanish language with respect to phonological constraints, morphosyntax, second language influences, and historical development. <i>Occasional.</i> | | |
| SPN 3142 | CAH-LANG | 3(3,0) | SPN 4410 | CAH-LANG | 3(3,0) | SPN 5845 | CAH-LANG | 3(3,0) |
| Business Spanish III: PR: C.I. Continuation of Business Spanish II. <i>Even Fall.</i> | | | Advanced Spanish Conversation: PR: SPN 3760, SPN 3420, and SPN 3300 or C.I. Advanced conversation on directed topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences. <i>Fall.</i> | | | History of the Spanish Language: PR: Graduate status or senior standing or C.I. An overview of linguistic characteristics of Latin and its evolution into Spanish with historical development of phonetic, morphological, and syntactic properties. <i>Occasional.</i> | | |
| SPN 3234 | CAH-LANG | 3(3,0) | SPN 4421 | CAH-LANG | 3(3,0) | SPN 5920 | CAH-LANG | 3(3,0) |
| Advanced Directed Readings: PR: SPN 2200 or C.I. Use of Spanish literary and Spanish texts in general, to develop reading comprehension and analysis skills for non-native speakers. <i>Fall, Spring.</i> | | | Advanced Spanish Composition: PR: SPN 3300, SPN 3420, SPN 3760 or C.I. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. <i>Even Spring.</i> | | | AP Spanish Language: PR: Graduate status or senior standing or C.I. Participants will enhance their knowledge of the language and culture of Spanish-speaking peoples and develop further proficiency in listening, comprehension, speaking, reading, and writing. <i>Occasional.</i> | | |
| SPN 3300 | CAH-LANG | 3(3,0) | SPN 4510 | CAH-LANG | 3(3,0) | SPT 3800 | CAH-LANG | 3(3,0) |
| Advanced Spanish Grammar and Composition: PR: SPN 2201 or equivalent. Advanced Spanish grammatical topics, idiomatic expressions, and continued development of writing skills based on the newly acquired concepts. <i>Fall, Spring.</i> | | | Spanish Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. A study of Spanish civilization and culture from Pre-Roman times to the present. Conducted in Spanish. <i>Occasional.</i> | | | Spanish Translation and Interpretation: PR: Completion of 2000 level sequence or equivalent. Introduction to translation and interpretation, practical applications of theory applied to professional written and audio texts from Spanish to English and from English to Spanish. <i>Fall, Spring.</i> | | |
| SPN 3343 | CAH-LANG | 3(3,0) | SPN 4520 | CAH-LANG | 3(3,0) | SPT 3805 | CAH-LANG | 3(3,0) |
| Advanced Rhetoric for Native Speakers: PR: Third year level oral proficiency. Systematic study of Spanish grammar as applied to rhetoric in standard Spanish for native speakers only. <i>Occasional.</i> | | | Latin American Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. An overview of the currents in Latin American culture and civilization from the Pre-Columbian period to the present. Conducted in Spanish. <i>Occasional.</i> | | | Spanish Translation and Interpretation for Mass Communication: PR: SPN 3420. Translation and interpretation in mass communication using all forms of media. <i>Even Spring.</i> | | |
| SPN 3344 | CAH-LANG | 3(3,0) | SPN 4780 | CAH-LANG | 3(3,0) | SPT 3809 | CAH-LANG | 3(3,0) |
| Advanced Spanish Native Fluency I: PR: SPN 3300 or C.I. Advanced grammatical topics and composition skills for native or near-native fluency speakers. <i>Fall.</i> | | | Spanish Phonetics: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Students will learn the basic principles of Spanish pronunciation and perfect the correct punctuation of Spanish through intensive practice and oral drill. <i>Occasional.</i> | | | 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. <i>Odd Fall.</i> | | |
| SPN 3345 | CAH-LANG | 3(3,0) | SPN 4800 | CAH-LANG | 3(3,0) | SPT 3831 | CAH-LANG | 3(3,0) |
| Advanced Spanish Native Fluency II: PR: SPN 3344. Continuation of Advanced Spanish Native Fluency I emphasizing the remaining grammatical topics and composition skills. <i>Spring.</i> | | | 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. <i>Occasional.</i> | | | Spanish Legal Translation and Interpretation: PR: SPN 3420 and SPN 2241. The terminology, procedures and ethics required to be a Spanish language court interpreter and translator in the legal field. May be repeated for credit. <i>Even Fall.</i> | | |
| SPN 3402 | CAH-LANG | 3(3,0) | | | | | | |
| Practice in Modern Spanish Grammar: PR: SPN 2241 or 3420. This intensive Spanish course will provide the advanced student with practice and drill in modern Spanish using native texts. <i>Occasional.</i> | | | | | | | | |
| SPN 3420 | CAH-LANG | 3(3,0) | | | | | | |
| Spanish Composition: PR: SPN 2201 or equivalent. Development of skills in composition. <i>Fall, Spring.</i> | | | | | | | | |

UCF Courses and Descriptions

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| SPT 4801 | CAH-LANG | 3(3,0) | SPW 4381 | CAH-LANG | 3(3,0) | SSE 4936 | ED-TLP | 3(3,0) |
| Spanish Translation Practicum: PR: SPT 3800. Development of translation and interpretation skills in a professional environment. Concentration in legal, medical, and business areas. <i>Occasional.</i> | | | Latin-American Theatre/Poetry: PR: SPW 3100 or SPW 3101 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. <i>Occasional.</i> | | | 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. <i>Fall.</i> | | |
| SPW 3000H | CAH-LANG | 3(3,0) | SPW 4382 | CAH-LANG | 3(3,0) | SSE 5115 | ED-TLP | 3(3,0) |
| Honors: Nobel Prize Literature: Spain and Latin America: PR: Permission of Honors and Junior standing or C.I. Students will analyze, discuss and research English translations of Spanish and Latin American Nobel-Prize-Winning writers. Through readings, students will explore the universality of Spanish literature. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Methods in Elementary School Social Science: PR: EDG 4323. Study of instructional programs in social sciences; objectives; materials; techniques; current research; and their application in elementary school setting. <i>Fall.</i> | | |
| SPW 3100 | CAH-LANG | 3(3,0) | SPW 4450 | CAH-LANG | 3(3,0) | SSE 5391 | ED-TLP | 3(3,0) |
| Survey of Spanish Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the Middle Ages through the Eighteenth century. <i>Fall.</i> | | | Spanish Literary Theory: PR: SPW 3100 and SPW 3101, or SPW 3130 and SPW 3131, or C. I. A study of textual criticism with emphasis in the theory of genre. <i>Occasional.</i> | | | Global Education: Theory and Practice: PR: Graduate standing or C.I. Examines the theoretical underpinnings of teaching about the world along with a variety of theoretically grounded teaching strategies for engaging students in global education. <i>Spring.</i> | | |
| SPW 3101 | CAH-LANG | 3(3,0) | SPW 4460 | CAH-LANG | 3(3,0) | SSE 5776 | ED-TLP | 3(3,0) |
| Survey of Spanish Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century to the present. <i>Spring.</i> | | | Nineteenth Century Spanish Literature: PR: SPW 3101 or C.I. A study of the representative authors and works in Spanish Romanticism, Realism, and Naturalism. <i>Occasional.</i> | | | Democracy and Education: PR: Graduate standing or C.I. Explores the intersection of theory and practice with regard to promoting democratic life in schools. Will examine competing theories of democracy and education, investigate problem areas in schools related to democracy, and consider examples of practice. <i>Fall.</i> | | |
| SPW 3130 | CAH-LANG | 3(3,0) | SPW 4604 | CAH-LANG | 3(3,0) | SSE 5790 | ED-TLP | 3(3,0) |
| Survey of Latin-American Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the colonial period to Nineteenth Century Romanticism. <i>Fall.</i> | | | Cervantes: PR: SPW 3100 or C.I. Don Quixote. <i>Occasional.</i> | | | Inquiry and Instructional Analysis in Social Science Education: PR: Admission to M.A. program or alternative certification certificate program. Study of instructional programs in social science education and related scholarship; development of an inquiry about the intersection of theory and practice in social science teaching. <i>Occasional.</i> | | |
| SPW 3131 | CAH-LANG | 3(3,0) | SPW 4720 | CAH-LANG | 3(3,0) | STA 1060C | COS-STAT | 3(2,1) |
| 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. <i>Spring.</i> | | | The Generation of 1898: PR: SPW 3101 or C.I. A study of the generation's main authors and their works. <i>Occasional.</i> | | | Basic Statistics Using Microsoft Excel: Applications of Excel; manipulating data; single variable graphs and statistics; scatterplots; probability distributions; statistical inference. <i>Fall, Spring.</i> | | |
| SPW 3320 | CAH-LANG | 3(3,0) | SPW 4730 | CAH-LANG | 3(3,0) | STA 2014C | COS-STAT | 3(2,1) |
| Modern Hispanic Theatre Workshop I: PR: C.I. Introduction to fundamental actor's technique and practice in Spanish. Short scenes will be performed in class. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | 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. <i>Fall, Spring.</i> | | |
| SPW 3321 | CAH-LANG | 3(3,0) | SPW 4770 | CAH-LANG | 3(3,0) | STA 2023 | COS-STAT | 3(3,0) |
| Modern Hispanic Theatre Workshop II: PR: SPW 3320. Participation in a theatre production of a play in Spanish. Open to majors in Spanish, Theatre and any technical performance. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Statistical Methods I: PR: MAC 1105 or MGF 1106. First methods course introducing probability and statistical inference, including estimation, hypothesis testing, binomial and normal distributions, sample size. <i>Fall, Spring.</i> | | |
| SPW 3370 | CAH-LANG | 3(3,0) | SPW 4772 | CAH-LANG | 3(3,0) | STA 2023H | COS-STAT | 3(3,0) |
| Spanish Short Story: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. A study of representative 19th and 20th-century Spanish short stories and their authors. <i>Occasional.</i> | | | Black Presence in Contemporary Latin American Literature: PR: SPW 3101 or SPW 3131 or C.I. Analysis and discussion of representative contemporary work of authors who have included the black character as part of their narrative. <i>Occasional.</i> | | | Honors Statistical Methods I: PR: Permission of Honors; Calculus desired by not necessary. Same as STA 2023 with honors-level content. <i>Fall, Spring.</i> | | |
| SPW 4272 | CAH-LANG | 3(3,0) | SPW 4773 | CAH-LANG | 3(3,0) | STA 3032 | ECS-IEMS | 3(3,0) |
| 20th Century Spanish Novel: PR: SPW 3101 or SPW 3131 or C.I. Major works 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. <i>Occasional.</i> | | | Puerto Rican Literature: PR: SPW 3100 and SPW 3101 or SPW 3130 and SPW 3131. Puerto Rican Literature from XIX Century to present. Conducted in Spanish. <i>Occasional.</i> | | | Probability and Statistics for Engineers: PR: MAC 2312. Axioms of probability; combinatorial and geometrical probability; probability distributions; measures of location and dispersion; sampling and sampling distributions; estimation and tests of hypotheses; engineering applications. <i>Fall, Spring.</i> | | |
| SPW 4310 | CAH-LANG | 3(3,0) | SPW 5741 | CAH-LANG | 3(3,0) | STA 3032H | ECS-IEMS | 3(3,0) |
| Golden Age Drama: PR: SPW 3100 or C.I. A study of the drama of the Golden Age, with special emphasis on Lope, Tirso, Alarcon, and Calderon. The controversies of the Spanish theatre and its influence abroad are examined. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Honors Probability and Statistics for Engineers: PR: MAC 2312 and honors standing. Fundamental probability and statistics principles, the underlying assumptions, the procedures for implementing and interpreting them. With honors content. <i>Fall, Spring.</i> | | |
| SPW 4322 | CAH-LANG | 3(3,0) | SSE 3312 | ED-TLP | 3(3,0) | STA 3096 | COS-STAT | 3(3,0) |
| Contemporary Iberian Theatre: PR: SPW 3101 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. <i>Occasional.</i> | | | Teaching Social Science in the Elementary School: PR: Admission to Phase II or C.I. Selected themes, problems, and concepts; organizing for instruction; techniques; evaluation procedures. <i>Fall, Spring.</i> | | | Statistical Graphics: PR: STA 2023 or STA 3032 and a knowledge of a programming language. Principles of graph construction, graphical perception, graphical methods, computer programs for graph construction. <i>Occasional.</i> | | |
| SPW 4364 | CAH-LANG | 3(3,0) | SSE 4361 | ED-TLP | 4(4,0) | | | |
| 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. <i>Occasional.</i> | | | Social Science Instructional Analysis: PR: EDG 4323 or C.I.; CR: 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. <i>Fall, Spring.</i> | | | | | |

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| <p>STA 4102 COS-STAT 3(3,0) Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language. Use of packages such as SAS, BMD, SPSS for data validation, description and analysis of data, regression and analysis of variance and covariance. <i>Fall.</i></p> | <p>STA 4504 COS-STAT 3(3,0) Categorical Data Analysis: PR: STA 4163 or STA 4165. Two-way and three-way contingency tables, odds ratios, partial association, logistic regression and log linear models. <i>Occasional.</i></p> | <p>STA 5176 COS-STAT 3(3,0) Introduction to Biostatistics: PR: STA 4163 or STA 4173, graduate status or senior standing, or C.I. Fixed-effects model, random-effects model, repeated measures design, logistic regression, survival analysis, Kaplan-Meier estimates, proportional hazards model. <i>Occasional.</i></p> |
| <p>STA 4130 COS-STAT 3(3,0) Life Contingencies I: PR: STA 4183 (or new number STA 4183). Economics of insurance, utility theory, single premiums for insurance and annuities in both discrete and continuous cases. Net annual premium and net premium reserves. <i>Fall.</i></p> | <p>STA 4641 COS-STAT 3(3,0) Risk Theory and Decision: PR: STA 4322. Individual and collective risk models for short terms and for extended periods, applications of risk theory to actuarial problems. Risk factors and their financial effects. <i>Occasional.</i></p> | <p>STA 5205 COS-STAT 3(3,0) Experimental Design: PR: STA 4164, STA 5206 or ESI 5219, and graduate status or senior standing, or C.I. Construction and analysis of designs for experimental investigations. Blocking, randomization, replication; Incomplete block designs; factorial and fractional designs; design resolution. <i>Spring.</i></p> |
| <p>STA 4131 COS-STAT 3(3,0) Life Contingencies II: PR: STA 4130 (new number STA 4130?). Multiple-decrement and multi-life models. Insurance models including expenses. Modified reserves. Cash values, insurance options and asset shares. Non forfeiture benefits and dividends. <i>Spring.</i></p> | <p>STA 4664 COS-STAT 3(3,0) Statistical Quality Control: PR: STA 2023 or STA 3032. Statistical concepts and methods applied to the control of quality of manufactured products. <i>Occasional.</i></p> | <p>STA 5206 COS-STAT 3(3,0) Statistical Analysis: PR: STA 2023; not open to students who have completed STA 4164. Graduate status or senior standing or C.I. Data analysis; statistical models; estimation; tests or hypotheses; analysis of variance, covariance, and multiple comparisons; regression and nonparametric methods. <i>Fall.</i></p> |
| <p>STA 4163 COS-STAT 3(3,0) Statistical Methods II: PR: STA 2023 or STA 3032. Not open to students with credit in STA 4165. Methods of analyzing data, statistical models, estimation, tests of hypotheses, regression and correlation, an introduction to analysis of variance, chi-square, and nonparametric methods. <i>Fall, Spring.</i></p> | <p>STA 4672 COS-STAT 3(3,0) Actuarial Statistical Methods: PR: STA 2023 and STA 4183. Regression and time series analysis of insurance and financial data. <i>Occasional.</i></p> | <p>STA 5505 COS-STAT 3(3,0) Categorical Data Methods: PR: STA 4163 or STA 5206, and graduate status or senior standing or C.I. Considers discrete probability distributions, contingency tables, measures of association, and advanced methods, including loglinear modeling, logistic regression, McNemar's Test, Mantel-Haenszel test. <i>Occasional.</i></p> |
| <p>STA 4164 COS-STAT 3(3,0) Statistical Methods III: PR: STA 4163. A continuation of STA 4163, including further study of regression, analysis of variance and covariance and multiple comparisons. <i>Fall, Spring.</i></p> | <p>STA 4675 COS-STAT 3(3,0) Demographic Statistics: PR: STA 4322. Measures of mortality, fertility and morbidity. Construction methods of life tables from census data, population projection techniques, stability and stationarity of demographic populations. <i>Occasional.</i></p> | <p>STA 5646 COS-STAT 3(3,0) Casualty Insurance: PR: STA 4322 and STA 4641, graduate status or senior standing, or C.I. Individual risk rating and classification of risk for property/casualty insurance. Re insurance and expense issues. Reserves for insurance and loss adjustment expenses. Investment income. <i>Occasional.</i></p> |
| <p>STA 4173 COS-STAT 3(3,0) Biostatistical Methods: CR: STA 4163 or C.I. Applied statistical principles and methods applied to problems in medical, biological, and health sciences. <i>Occasional.</i></p> | <p>STA 4676 COS-STAT 3(3,0) Life Testing Analysis: PR: STA 4322. Models of survival analysis including random and non-random censoring and truncation. Parametric estimation of life distribution. Nonparametric methods. Grouped data. <i>Occasional.</i></p> | <p>STA 5703 COS-STAT 3(3,0) Data Mining Methodology I: PR: STA 5103 and STA 5206, graduate status or senior standing, or C.I. Data mining to uncover valuable information through SEMMA (Sample, Explore, Model, Modify, and Access). Process with neural network and decision tree. <i>Fall.</i></p> |
| <p>STA 4183 COS-STAT 3(3,0) Theory of Interest: PR: MAC 2312 (or equivalent) and STA 2023. Measurement of simple and compound interests, accumulated and present values factors. Annuities certain, yield rates, amortization schedules and sinking funds. Bonds, securities and related funds. <i>Fall.</i></p> | <p>STA 4852 COS-STAT 3(3,0) Applied Time Series: PR: STA 4163. Forecasting methods, time series analysis, stationary and nonstationary time series, ARIMA models, forecasting processes. <i>Occasional.</i></p> | <p>STA 5825 COS-STAT 3(3,0) Stochastic Processes and Applied Probability Theory: PR: STA 4321, and graduate status or senior standing or C.I. Conditional probability and conditional expectations, sequences of random variables, branching processes, random walks, Markov chains, recurrent events, renewal theory, queueing theory, and simple stochastic processes. <i>Spring.</i></p> |
| <p>STA 4187 COS-STAT 3(3,0) Theory of Graduation: PR: STA 4322. Graduation, moving weighted averages methods, Whitaker-Henderson, Bayesian and parametric methods, smooth-junction formula, graduation of selected data. <i>Occasional.</i></p> | <p>STA 4939 COS-STAT 3(3,0) Problems in Actuarial Science: PR: STA 4322. Fundamental mathematical and statistical tools for quantitatively assessing risk; application of these tools to problems in actuarial science. May be repeated for credit. <i>Occasional.</i></p> | <p>STA 5940 COS-STAT 1(1,0) Statistical Advice for Researchers: PR: Graduate status or senior standing or C.I. Discussion of student-supplied statistical problem, data sources, sampling techniques, computer package usage, analysis, interpretation. May be repeated for credit. Graded S/U. <i>Occasional.</i></p> |
| <p>STA 4222 COS-STAT 3(3,0) Sample Survey Methods: PR: STA 2023 or STA 3032. Constructing and analyzing survey designs. Sampling and non-sampling errors. Simple random, stratified, systematic, and multiphase sampling. Methods of estimation. <i>Occasional.</i></p> | <p>STA 5085 COS-STAT 3(3,0) Analytical Reasoning: PR: Graduate standing. Concepts in probability and statistics through case studies. Seminar and telecommunications format. Analytical/logical thinking in context. <i>Occasional.</i></p> | <p>STA 5948 COS-STAT 3(3,0) Actuarial Science Practicum: PR: STA 4183 or STA 6185. Study and projects on problems in actual practice; discussions and presentations by practitioners from life insurance, casualty, etc. <i>Occasional.</i></p> |
| <p>STA 4321 COS-STAT 3(3,0) Statistical Theory I: PR: STA 2023 or STA 3032; CR: MAC 2313. Probability axioms, discrete and continuous sample spaces, conditional probability, independence, one-dimensional random variables, moment generating functions, transformations, jointly distributed random variables. <i>Fall.</i></p> | <p>STA 5103 COS-STAT 3(3,0) Advanced Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language, graduate status or senior standing, or C.I. Use of SAS and other statistical software packages; data manipulation; graphical data presentation; data analysis; creating analytical reports. <i>Fall.</i></p> | <p>SUR 2101C ECS-CEE 3(2,3) Surveying: PR: MAC 2311 and Junior standing. Theory and field practice in surveying measurements and the reduction and adjustment of field data. <i>Spring.</i></p> |
| <p>STA 4322 COS-STAT 3(3,0) Statistical Theory II: PR: STA 4321. Conditional distributions, sums of random variables. Chebyshev's inequality, central limit theorem, method of moments, maximum likelihood, confidence intervals, hypothesis testing, transformations of two random variables. <i>Spring.</i></p> | <p>STA 5139 COS-STAT 3(3,0) Credibility Theory and Loss Distribution: PR: STA 4322, graduate status or senior standing, or C.I. Full and partial credibility. The credibility premium. Exact credibility. Parametric and nonparametric estimation of credibility. Loss models for claim severities and frequencies. Aggregate claims models. <i>Fall.</i></p> | <p>SUR 3331 ECS-ENT 3(3,0) Photogrammetry: PR: SUR 2140C (Advanced Surveying) - offered only at community colleges. History of photogrammetry, principles of aerial imaging, digital imagery, geometry of aerial photography, image and object spaces, stereoscopy and parallax, and topographic mapping. <i>Occasional.</i></p> |
| <p>STA 4502 COS-STAT 3(3,0) Nonparametric Statistical Methods: PR: STA 2023 or STA 3032. Distribution-free tests on location and dispersion, goodness of fit tests, tests of independence, measures of association, nonparametric analysis of variance. <i>Occasional.</i></p> | <p>STA 5175 COS-STAT 3(3,0) Biometry: PR: STA 2023, graduate status or senior standing, or C.I. Design and analysis of experiments with emphasis on biological/ecological application; one-way and multi-way ANOVA; regression; ordination; classification. <i>Spring.</i></p> | |

UCF Courses and Descriptions

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| SUR 3530C | ECS-ENT | 3(2,2) | SYA 4450 | COS-SOC | 4(3,2) | SYD 4810 | COS-SOC | 3(3,0) |
| Geodetic Science: PR: SUR 2101C or C.I. Spherical trigonometry, basic topics in geodesy including geodetics reference systems and earth models, state plane coordinates, astronomic observations, time systems, and satellite orbits. <i>Spring.</i> | | | Data Analysis: PR: SYA 4300C and SYA 3400. Advanced social research design and analytical skills. Emphasis on social data management, various modes of social data analysis, interpretation, integration, presentation, and report writing. <i>Spring.</i> | | | 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.). <i>Fall, Spring.</i> | | |
| SUR 3641 | ECS-ENT | 3(3,0) | SYA 4650C | COS-SOC | 3(2,2) | SYD 4813 | COS-SOC | 3(3,0) |
| Geospatial Computations: PR: STA 2023 or equivalent. Methods of solving linear equations, theory of matrices, partial differentiation, basic statistical concepts, probability, statistical testing, differential equations, and concepts of error analysis. <i>Occasional.</i> | | | Applied Sociology: PR: SYG 2000 or SYG 2010 or C.I. Utilization of sociological principles in the treatment of practical human problems and organization. <i>Occasional.</i> | | | Women and Social Policy: PR: SYG 2000 or SYG 2010 or C.I. The process of social movements and how they impact legalized social norms for women in public and private life. <i>Occasional.</i> | | |
| SUR 4380 | ECS-ENT | 3(3,0) | SYA 5625 | COS-SOC | 3(3,0) | SYD 5517 | COS-SOC | 3(3,0) |
| Satellite Remote Sensing: PR: SUR 3331. Concept of satellite sensing, spectral reflectance, electromagnetic radiation, aerial photography, satellite orbits, image enhancement, land observation satellite systems, filtering, and image rectification. <i>Occasional.</i> | | | 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. <i>Fall.</i> | | | 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. <i>Occasional.</i> | | |
| SUR 4403 | ECS-ENT | 3(3,0) | SYA 5652 | COS-SOC | 3(3,0) | SYD 5795 | COS-SOC | 3(3,0) |
| Boundary Location: PR: ETD 3350C or C.I. Professional liability, ethics, boundaries creation, property surveying and ownership, retracement surveys, evidence & preservation of evidence, easements, and role of surveyor in court. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| SUR 4463 | ECS-ENT | 3(3,0) | SYD 3410 | COS-SOC | 3(3,0) | SYG 2000 | COS-SOC | 3(3,0) |
| Land Subdivision and Platting: PR: SUR 4403. Land development analysis, regulations and subdivision ordinance, plat recording, development potential evaluation, and site design considerations including topographic, geotechnical, and plat design specification. <i>Occasional.</i> | | | Urban Sociology: PR: SYG 2000 or C.I. Historical roots of urbanization. Analysis and impact of community change on social organizations in modern industrial societies. <i>Occasional.</i> | | | General Sociology: Introduction to the sociological perspective and the scientific study of sociological concepts, theories, processes, and methods used in understanding contemporary human behavior in group interaction. <i>Fall, Spring.</i> | | |
| SUR 4531 | ECS-ENT | 3(3,0) | SYD 3700 | COS-SOC | 3(3,0) | SYG 2000H | COS-SOC | 3(3,0) |
| Positioning with GPS: PR: SUR 3530C. History of GPS, reference system, GPS signals, GPS observables, GPS errors, differential GPS, kinematic GPS, and data adjustments. <i>Occasional.</i> | | | Race and Ethnic Minorities in the United States: Theoretical analysis of the emergence, maintenance, and disruption of patterns of racial and ethnic stratification. <i>Fall, Spring.</i> | | | 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. <i>Fall, Spring.</i> | | |
| SYA 3110 | COS-SOC | 3(3,0) | SYD 3750 | COS-SOC | 3(3,0) | SYG 2010 | COS-SOC | 3(3,0) |
| The Development of Social Thought: PR: Junior standing and 9 hours of upper level sociology courses or C.I. Theories concerning the nature of mankind as a "social being." The nature of society from the beginnings of the scientific study of human life to World War II. <i>Spring.</i> | | | Contemporary Social Issues and North American Indians: PR: 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 relationships and environment. <i>Occasional.</i> | | | Social Problems: Analysis of major social problems such as mental disorders, sexual deviance, racial discrimination, poverty, community disorganization, and violence. <i>Fall, Spring.</i> | | |
| SYA 3120 | COS-SOC | 3(3,0) | SYD 3751 | COS-SOC | 3(3,0) | SYG 3949 | COS-SOC | 0(0,8) |
| Modern Sociological Thought: PR: Junior standing and 9 hours of upper level sociology courses or C.I. A study of major European and American contributors to modern sociology since World War II. <i>Occasional.</i> | | | 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 sovereign rights. Issues include myths, gender roles, coerced sterilization, child welfare, and economic opportunities. <i>Occasional.</i> | | | Cooperative Education in Sociology: PR: Departmental permission required before registering. Cooperative education experience in sociology. Graded S/U. May be repeated for credit. <i>Occasional.</i> | | |
| SYA 3400 | COS-SOC | 4(3,1) | SYD 3752 | COS-SOC | 3(3,0) | SYO 3000 | COS-SOC | 3(3,0) |
| Research Methods and Statistics: PR: SYG 2000 and one other sociology course. <i>Fall.</i> | | | Modern Law in Indian Country: PR: 2000 level social science course or C.I. Examination of impact of unique legal relationship between American Indian governments and state federal governments. Legal issues include criminal justice, child welfare, and land ownership. <i>Occasional.</i> | | | Modern Sociology: PR: SYG 2000 or SYG 2010 or C.I. Exploration of contemporary sociology. Conceptual analysis and methodological techniques, presentation and utilization of sociological literature on major social institutions. <i>Occasional.</i> | | |
| SYA 4112 | COS-SOC | 3(3,0) | SYD 3800 | COS-SOC | 3(3,0) | SYO 3360 | COS-SOC | 3(3,0) |
| The Thought and Writings of W.E.B. Du Bois: PR: SYG 2000 or SYG 2010. The sociological/social scientific contributions of W.E.B. Du Bois. <i>Occasional.</i> | | | Sex Roles in Modern Society: The traditional and changing roles of women and men viewed in a sociological perspective. <i>Fall, Spring.</i> | | | Social Organization and Human Relations: Analysis of business, government, and industrial organizations. Topics include organizational theory, social systems, social structure, effects of technology, motivation, leadership, decision-making, and human relations. <i>Occasional.</i> | | |
| SYA 4300C | COS-SOC | 4(3,2) | SYD 4020 | COS-SOC | 3(3,0) | SYO 3410 | COS-SOC | 3(3,0) |
| Research Methods: PR: SYG 2000 or SYG 2010 or C.I. Sociological data collections, sampling techniques, grant proposal development, critical evaluation of social research, and relationship between theory and social research. <i>Fall.</i> | | | Population: Concerned with the study of human population, its distribution, composition, and change. <i>Occasional.</i> | | | Sociology of Mental Illness: A sociological examination of mental illness as a social problem; legal aspects of mental illness, and the mental health professions. <i>Occasional.</i> | | |
| SYA 4310C | COS-SOC | 4(3,1) | SYD 4510 | COS-SOC | 3(3,0) | SYO 3530 | COS-SOC | 3(3,0) |
| Qualitative Research Analysis in Sociology: PR: SYA 4300C. Advanced research design and analysis focusing on qualitative research methodologies in sociology. Emphasizes data collection, management, analysis, interpretation, integration, presentation, and report writing. <i>Occasional.</i> | | | Environmental Sociology: PR: SYG 2000 or C.I. Applies the sociological perspective and sociological methods of analysis to the relationships between human behavior and the environment. <i>Odd Spring.</i> | | | Social Stratification: PR: SYG 2000 or C.I. Study of class, status and power, cultural variations in stratification systems; patterns of mobility and change. <i>Occasional.</i> | | |
| | | | SYD 4514 | COS-SOC | 3(3,0) | SYO 4100 | COS-SOC | 3(3,0) |
| | | | 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. <i>Occasional.</i> | | | Family Trends: PR: SYG 2000 or SYG 2010 or C.I. Intimate relationships, practices, trends and issues affecting today's marriages and families. <i>Fall, Spring.</i> | | |

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| <p>SYO 4200 COS-SOC 3(3,0) Sociology of Religion: PR: SYG 2000 or C.I. The relationship between the religious institution and social stratification, family, education, as well as issues pertaining to gender, race, ethnicity, and age. <i>Occasional.</i></p> | <p>SYO 4250 COS-SOC 3(3,0) Sociology of Education: PR: SYG 2000 or C.I. This course examines the sociological dimensions of the educational institutions, including the impact of the social structure on learning and the role of education in social change. <i>Occasional.</i></p> | <p>SYO 4300 COS-SOC 3(3,0) Political Sociology: Sociological analysis of political and parapolitical groups; socioeconomic variable of voting behavior, power elites; societies and systems of government. <i>Occasional.</i></p> | <p>SYO 4400 COS-SOC 3(3,0) Medical Sociology: Analysis of patient beliefs and behavior, health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care. <i>Occasional.</i></p> | <p>SYP 3602 COS-SOC 3(3,0) Sociology of Popular Music: 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. <i>Occasional.</i></p> | <p>SYP 3630 COS-SOC 3(3,0) Sociology of Popular Culture: PR: Junior Standing or C.I. Examines the relationship between contemporary popular culture and social institutions, collective identities, social change, gender, ethnicity and age. <i>Occasional.</i></p> | <p>SYP 3650 COS-SOC 3(3,0) Sociology and Sport: PR: SYG 2000 or SYG 2010 or C.I. Utilization of sociological concepts and theories to investigate sport as a social institution. Includes subjects of racism, sexism, drug abuse, violence, and current issues of sport. <i>Occasional.</i></p> | <p>SYP 3660 COS-SOC 3(3,0) Sociology of Domestic Violence: Theory, Research and Social Policy: PR: Graduate standing or C.I. To examine current sociological knowledge and research on various issues in Criminology, and to further students' skills in developing/conducting research projects. <i>Occasional.</i></p> | <p>SYP 5525 COS-SOC 3(3,0) Sociology of Culture: PR: Graduate standing or C.I. Major theoretical approaches and empirical studies in the sociology of culture and analysis of cultural processes. <i>Occasional.</i></p> | <p>SYP 5738 COS-SOC 3(3,0) Seminar on the Welfare State & Aging: PR: Graduate standing or C.I. A sociological examination of old policies from a cross-cultural perspective. <i>Occasional.</i></p> | <p>TAX 4001 BA-ACCT 3(3,0) Taxation of Business Entities and Transactions: PR: Junior standing plus completion of ACG 3131 with a grade of "C" or higher. Federal income tax laws affecting the taxation of business entities and transactions. <i>Fall, Spring.</i></p> | <p>TAX 5015 BA-ACCT 3(3,0) Advanced Tax Topics: PR: Accounting major or minor, TAX 4001 or equivalent. Advanced tax issues affecting individuals and business entities, including corporations and partnerships. <i>Fall, Spring.</i></p> | <p>THE 2000 CAH-THEA 3(3,0) Theatre Survey: Overview of the art and craft of the theatre. Restricted to non majors. <i>Fall, Spring.</i></p> | <p>THE 2000H CAH-THEA 3(3,0) Theatre Survey - Honors: PR: Permission of Honors. Not restricted to theatre majors. Honors-level overview of the art and craft of the theatre. <i>Fall, Spring.</i></p> | <p>THE 2020 CAH-THEA 3(3,0) Survey of Theatre for Majors: PR: Theatre major or minor. Overview of the art and craft of theatre. <i>Fall.</i></p> | <p>THE 2025 CAH-THEA 3(3,0) Introduction to Theatrical Design: PR: C (2) in THE 2000 or THE 2020 and TPA 2201. Basic design elements and the collaborative process introduced as practical tools for theatre production. Not allowed for Design and Technology or Stage Management majors. <i>Occasional.</i></p> | <p>THE 2050 CAH-THEA 3(3,0) Theatre Studies in Creative Drama: PR: Theatre major or minor. Techniques and theories for facilitating creative drama with youth, as both an art form and teaching tool. <i>Occasional.</i></p> | <p>THE 2090L CAH-THEA 1(0,VAR) Theatre Participation-Management I: PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. <i>Fall, Spring.</i></p> | <p>THE 2304 CAH-THEA 3(3,0) Script Analysis: PR: Theatre major or minor. Exploration of dramatic form with focus on playscripts for productions. <i>Fall, Spring.</i></p> | <p>THE 2925L CAH-THEA 0(0,VAR) Theatre Participation: PR: Theatre major or minor. Participation in UCF Theatre productions. Graded S/U. May be used in the degree program a maximum of 8 times. <i>Fall, Spring.</i></p> |
| <p>SYP 3300 COS-SOC 3(3,0) Collective Behavior: PR: SYG 2000 or C.I. Analysis of relatively unstructured social situations, such as mobs, crowds, etc. as well as more structured forms of collective behavior such as social movements. <i>Occasional.</i></p> | <p>SYP 3400 COS-SOC 3(3,0) Social Change: PR: SYG 2000 or SYG 2010 or C.I. Context and essential sources of social development and change. <i>Occasional.</i></p> | <p>SYP 3510 COS-SOC 3(3,0) Sociology of Deviant Behavior: PR: SYG 2000 or SYG 2010 or C.I. Sociological examination of the types of, and societal reactions to, deviant behavior with special emphasis on stigmatization. <i>Spring.</i></p> | <p>SYP 3511 COS-SOC 3(3,0) Sociology of Murder: PR: SYG 2000 or SYG 2010 or C.I. An analytical study of murder in the U.S.; topics include different types of homicides, offenders, victims, and circumstances. <i>Fall.</i></p> | <p>SYP 3520 COS-SOC 3(3,0) Criminology: PR: SYG 2000 or SYG 2010 or C.I. Chief causes of anti-social behavior and current methods of prevention and reform. Effects of heredity and environment, prevalence of delinquency and crime, penal institutions. <i>Fall, Spring.</i></p> | <p>SYP 3530 COS-SOC 3(3,0) Juvenile Delinquency: Types of delinquency behavior found among juveniles; possible causes and ways society attempts to treat the various forms of delinquency. <i>Occasional.</i></p> | <p>SYP 3540 COS-SOC 3(3,0) 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 economic consequences, jury selection, and modern trends. <i>Occasional.</i></p> | <p>SYP 3551 COS-SOC 3(3,0) Sociology of Alcoholism: Introduction to the nature of alcoholism and review of its impact on society. <i>Occasional.</i></p> | <p>SYP 3562 COS-SOC 3(3,0) Sociological Perspectives on Domestic Violence: PR: SYG 2000 or C.I. Sociological perspectives on all forms of domestic violence, including theoretical explanations, prevalence, risk factors, dynamics of prevention, and intervention. <i>Occasional.</i></p> | <p>SYP 4000 COS-SOC 3(3,0) Sociological Social Psychology: PR: SYG 2000 or C.I. Study of social perception, attitude formation and change, motivation, and decision-making in small groups as affected by social interaction and social processes. <i>Occasional.</i></p> | <p>SYP 4004 COS-SOC 3(3,0) Constructing Social Issues: PR: SYG 2000 or SYG 2010 or C.I. Sociological examination of social problems as an emergent process that involves collective definitions and legitimating organizations. Topics include deviance, race, gender and popular culture. <i>Occasional.</i></p> | <p>SYP 4304 COS-SOC 3(3,0) Social Movements and Revolutions: PR: SYG 2000 or C.I. Comparative sociology of revolutions and the sociological research on social movements. <i>Occasional.</i></p> | <p>SYP 4454 COS-SOC 3(3,0) Sociology of the Global System: PR: SYG 2000 or C.I. Theoretical and empirical examination of the sociological process of global stratification and the countervailing force of an emergent anti-globalization social movement. <i>Occasional.</i></p> | <p>SYP 4514 COS-SOC 3(3,0) Sociology of Violence: PR: SYG 2000 or SYG 2010 or C.I. Social roots, culture, circumstances, prevention, and control of violence. <i>Occasional.</i></p> | <p>SYP 4521 COS-SOC 3(3,0) Criminal Victimization in Society: PR: SYG 2000, or SYG 2010 or C.I. Crime victims in society; topics include issues related to victimology such as victimization risks and societal treatment of victims. <i>Occasional.</i></p> | <p>SYP 4536 COS-SOC 3(3,0) Gangs and Society: PR: SYG 2000 or SYG 2010 or C.I. Gangs in the U.S.; topics include types of gangs, gang members, activities, group processes, and societal responses to gangs. <i>Occasional.</i></p> | <p>SYP 4550 COS-SOC 3(3,0) Sociology of Drug Abuse: Analysis of the socio-cultural elements of the drug culture. <i>Occasional.</i></p> | <p>SYP 4730 COS-SOC 3(3,0) Sociology of Aging: PR: SYG 2000 or SYG 2010 or C.I. Sociological aspects of aging in America. <i>Fall, Spring.</i></p> | <p>SYP 4732 COS-SOC 3(3,0) Minority Aging: PR: SYG 2000 or SYD 3700 or SYP 4730 or C.I. A sociological examination of older populations within minorities: ethnic minorities, women, and gay men and lesbians. <i>Occasional.</i></p> | <p>SYP 5005 COS-SOC 3(3,0) Sociological Social Psychology: PR: Graduate standing or C.I. An exploration of sociological social psychological theories and their application in understanding the effects of society and groups on the individual. <i>Occasional.</i></p> |

UCF Courses and Descriptions

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| THE 3082 | CAH-THEA | 3(3,0) | Theatre Careers: PR: Theatre major or minor, Sophomore standing, and "C" (2.0) or better in THE 2020 or THE 2000. Techniques to secure employment in theatre and related fields. <i>Occasional.</i> |
| THE 3212 | CAH-THEA | 3(3,0) | Global Theatre: PR: Grade of C (2.0) or better required in ENC 1101 or ANT 2000. Theatrical arts and traditions of various countries with an emphasis on non-western cultures. <i>Occasional.</i> |
| THE 3230 | CAH-THEA | 3(3,0) | Cultural Diversity in Theater: PR: "C" (2.0) or better in ENC 1101 or ANT 2000. Commonality of human experience among various cultural groups through the study of dramatic literature. <i>Occasional.</i> |
| THE 3240 | CAH-THEA | 3(3,0) | Musical Theatre Survey: PR: Grade of C (2.0) or better required in THE 2020 or THE 2000. Origins and evolution of Musical Theatre from the Ancient Greeks through the present day. <i>Occasional.</i> |
| THE 3311 | CAH-THEA | 3(3,0) | Theatre History and Dramatic Literature I: PR: C (2.0) in THE 2304 and Sophomore standing. Theatre history and drama from the Greeks to the Renaissance. <i>Occasional.</i> |
| THE 3312 | CAH-THEA | 3(3,0) | Theatre History and Dramatic Literature II: PR: "C" (2.0) or better in THE 3311. Theatre history and drama from French neo-classicism to modern realism. <i>Occasional.</i> |
| THE 3313 | CAH-THEA | 3(3,0) | Theatre History and Dramatic Literature III: PR: "C" (2.0) or better in THE 3312. Theatre history and drama from modern realism to present. <i>Occasional.</i> |
| THE 3333 | CAH-THEA | 3(3,0) | Shakespeare Skills: PR: Theatre Major (excluding BFA Acting), grade of C (2.0) or better in THE 2020 or THE 2000. Study of Shakespeare's heightened language, scansion, and text from a theatrical point of view. <i>Occasional.</i> |
| THE 3423 | CAH-THEA | 3(3,0) | Women in Theatre: PR: Grade of C (2.0) or better in ENC 1101. An overview of women's contributions to theatre. <i>Occasional.</i> |
| THE 3543 | CAH-THEA | 3(3,0) | Theatre for Social Change: PR: Grade of C (2.0) or better in ENC 1101. Theatre activist's impact on theatrical art forms. <i>Occasional.</i> |
| THE 4093L | CAH-THEA | 1(0,VAR) | Theatre Participation-Management II: PR: Theatre major or minor; "C" (2.0) or better in THE 2090L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. <i>Fall, Spring.</i> |
| THE 4244 | CAH-THEA | 3(3,0) | Musical Theatre History I: PR: B.F.A. Musical Theatre major, C (2.0) or better required in THE 2020 or THE 2000. Origins and evolution of Musical Theatre from the Ancient Greeks through the 1950s. <i>Fall.</i> |
| THE 4245 | CAH-THEA | 3(3,0) | Musical Theatre History II: PR: BFA Musical Theatre major, C (2.0) or better required in THE 4244. Origins and evolution of Musical Theatre from the 1950s through the present. <i>Spring.</i> |
| THE 4284 | CAH-THEA | 3(3,0) | Costume, Architecture, Decor History I: PR: "C" (2.0) or better in TPA 2000C and THE 3311 and THE 3312. Costumes, furniture and decor from antiquity to the High Renaissance. <i>Fall.</i> |
| THE 4285 | CAH-THEA | 3(3,0) | Costume, Architecture, Decor History II: PR: "C" (2.0) or better in THE 4284. Costumes, furniture and decor from the English Renaissance to the present. <i>Spring.</i> |
| THE 5205 | CAH-THEA | 3(3,0) | American Theatre: PR: THE 5910, and MA or MFA Theatre Graduate. Examination of performance and historical perspectives of American drama. <i>Spring.</i> |
| THE 5248 | CAH-THEA | 3(3,0) | Musical Theatre in History: PR: Admission to MFA Musical Theatre Program. A chronological study of musical theatre from early Viennese operetta to the musicals of the modern age. Course will emphasize the work of composers, librettists, and lyricists as well as representative master-works of a variety of genre. Emphasis will be placed upon historical trends and theatrical viability. <i>Fall.</i> |
| THE 5278C | CAH-THEA | 1(1,1) | Musical Theatre Lab: PR: TPP 5157C. Practical course in developing musical theatre skills for the actor. <i>Spring.</i> |
| THE 5288 | CAH-THEA | 3(3,0) | Period Costumes, Architecture and Décor I: PR: Admission into Theatre MFA Design Track. Costumes, architecture and decor from antiquity to the renaissance. <i>Fall.</i> |
| THE 5289 | CAH-THEA | 3(3,0) | Period Costumes, Architecture and Décor II: PR: THE 5288. Costumes, architecture and decor from the Renaissance to present. <i>Spring.</i> |
| THE 5307 | CAH-THEA | 3(3,0) | Contemporary Theatre Practice: PR: THE 3311, THE 3312, THE 3313. Restricted to Theatre majors or departmental consent. Contemporary trends in plays and theatre production in the late 20th century. <i>Spring.</i> |
| THE 5385 | CAH-THEA | 3(3,0) | Dramatic Literature for Children: PR: Admission to MFA graduate program or C.I. An in-depth study of the growth and development of dramatic literature for children. <i>Even Fall.</i> |
| THE 5910 | CAH-THEA | 3(3,0) | Research Methods in Theatre: PR: MFA and MA in Theatre. Practice knowledge, skills and techniques needed by students to conduct research to include organization, styles, footnotes, and bibliographic forms. <i>Fall.</i> |
| THE 5945L | CAH-THEA | 1(0,20) | Theater Practicum I: PR: Graduate status or C.I. A laboratory course designed to develop students' practical working knowledge in Theater. <i>Occasional.</i> |
| THE 5946L | CAH-THEA | 1(0,20) | Theater Practicum II: PR: Admission into the graduate program, Theater Practicum I. A laboratory course designed to develop students' practical working knowledge in theater. <i>Occasional.</i> |
| TPA 2000C | CAH-THEA | 3(2,2) | 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. <i>Fall.</i> |
| TPA 2010C | CAH-THEA | 3(2,2) | Scenography: PR: "C" (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. <i>Occasional.</i> |
| TPA 2071C | CAH-THEA | 3(2,2) | Theatre Rendering: PR: "C" (2.0) or better in TPA 2000C. Specific rendering techniques used to create visual images for scenic, lighting, and costume designers. <i>Spring.</i> |
| TPA 2201 | CAH-THEA | 2(2,0) | Technical Theatre Production: PR: B.A. Theatre, B.F.A. Musical Theatre/Acting major or minor, PR: "C" (2.0) or better in THE 2020 or THE 2000; CR: TPA 2201L. Development, theory and practice of all areas of technical theatre production. <i>Fall, Spring.</i> |
| TPA 2201L | CAH-THEA | 1(0,6) | Technical Theatre Production Lab: CR: TPA 2201. Practical projects in scenic construction. <i>Occasional.</i> M&S fee: \$15.00 |
| TPA 2210 | CAH-THEA | 3(3,0) | Stagecraft I: PR: BFA Design/Tech or Stage Management, CR: TPA 2210L. Development, theory, and practice of technical theatre production. <i>Fall.</i> |
| TPA 2210L | CAH-THEA | 1(0,6) | Stagecraft I Lab: PR: or CR: "C" (2.0) or better in TPA 2210. Practical projects in scenic construction. <i>Occasional.</i> M&S fee: \$45.00 |
| TPA 2211 | CAH-THEA | 3(3,0) | Stagecraft II: PR: "C" (2.0) or better in TPA 2210 and TPA 2210L; CR: TPA 2211L. Hand-drafting, properties design, and construction. <i>Spring.</i> |
| TPA 2211L | CAH-THEA | 1(0,6) | Stagecraft II Lab: PR: "C" (2.0) or better in TPA 2210 and TPA 2210L; CR: TPA 2211. Practical projects in scenic and property construction. <i>Occasional.</i> M&S fee: \$45.00 |
| TPA 2220C | CAH-THEA | 3(2,2) | 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. <i>Fall.</i> M&S fee: \$29.50 |
| TPA 2230C | CAH-THEA | 3(2,2) | 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. <i>Spring.</i> M&S fee: \$15.00 |
| TPA 2248C | CAH-THEA | 2(2,2) | Makeup Techniques: PR: Theatre B.F.A. major or departmental consent. Theory and practice of stage makeup. <i>Fall, Spring.</i> M&S fee: \$15.00 |
| TPA 2290L | CAH-THEA | 1(0,VAR) | Theatre Participation-Production I: PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. <i>Fall, Spring.</i> M&S fee: \$15.00 |
| TPA 2600 | CAH-THEA | 3(3,0) | Stage Management Basics: PR: "C" (2.0) or better in THE 2020 or THE 2000 and BFA Stage Management major. Functions and responsibilities of professional stage managers. <i>Occasional.</i> |
| TPA 3040C | CAH-THEA | 3(2,2) | Costume Design for Theatre I: PR: "C" (2.0) or better in TPA 2010C. Projects in the fundamentals of costume design for the stage. <i>Fall.</i> |
| TPA 3060C | CAH-THEA | 3(2,2) | Scenic Design for Theatre I: PR: "C" (2.0) or better in TPA 2010C. Projects in the fundamentals of scenic design for the stage. <i>Fall.</i> M&S fee: \$37.00 |
| TPA 3077C | CAH-THEA | 3(2,2) | Scene Painting: PR: "C" (2.0) or better in TPA 2000C and TPA 2071C. Projects in scene painting techniques. <i>Fall.</i> M&S fee: \$45.00 |

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| <p>TPA 3195L CAH-THEA 3(0,VAR) Summer Theatre Studio/Tech/Design I: PR: Departmental consent by audition or interview. Study, analysis and execution of technical/design aspects for playscripts produced on UCF mainstage. May be repeated for credit. <i>Occasional.</i> M&S fee: \$20.00</p> | <p>TPA 4384C CAH-THEA 3(3,4) Advanced Topics in Technical Theatre: PR: C (2.0) in TPA 2210 and TPA 2211. Variable topics which may include Technical Direction or other advanced topics. May be used in the degree program a maximum of 4 times. <i>Occasional.</i> M&S fee: \$35.00</p> | <p>TPA 5405 CAH-THEA 3(3,0) Theatre Management for Non-Majors: PR: THE 2020 or THE 2000, graduate status, or C.I. Study of university, community and professional theatre management with special attention to the principles of management to include management skills/function and organizational systems/performance as they relate to theatre organizations/institutions. <i>Fall.</i></p> |
| <p>TPA 3197L CAH-THEA 3(0,VAR) Summer Theatre Studio/Tech/Design II: PR: Departmental consent by audition or interview. Continuation of TPA 3195L. May be repeated for credit. <i>Occasional.</i> M&S fee: \$20.00</p> | <p>TPA 4400 CAH-THEA 3(3,0) Theatre Management: PR: "C" (2.0) or better in THE 2000 or THE 2020. Restricted to theatre majors or Departmental consent. Study of the development, organization, management, funding, and promotion of theatre programs. Additional emphasis placed on management theory and style. <i>Fall.</i></p> | <p>TPA 5885C CAH-THEA 2(2,2) Puppetry: PR: Admission to MFA graduate program or C.I. Puppetry as an art form in design and performance. <i>Odd Spring.</i> M&S fee: \$30.00</p> |
| <p>TPA 3221C CAH-THEA 3(2,2) Lighting Design for Theatre I: PR: "C" (2.0) or better in TPA 2010C and TPA 2220C. Projects in the fundamentals of lighting design for the stage. <i>Spring.</i> M&S fee: \$37.00</p> | <p>TPA 4401C CAH-THEA 3(2,2) Theatre Careers in Production: PR: B.F.A. Design/Tech or Stage Management; Junior standing. Techniques to secure employment in technical theatre, design, and stage management. <i>Spring.</i></p> | <p>TPA 5946C CAH-THEA 1(0,20) Design Practicum I: PR: Admission into the MFA Design Program. Practical Experience as a member of the production team as a prop master or assistant scenic, costume, lighting, or sound designer. <i>Occasional.</i></p> |
| <p>TPA 3249C CAH-THEA 2(2,2) Advanced Makeup Techniques: PR: "C" (2.0) or better in TPA 2248C. Lecture/laboratory study of basic techniques needed for the creation of stage and film prosthetics and masks. <i>Occasional.</i> M&S fee: \$45.00</p> | <p>TPA 4602 CAH-THEA 3(3,0) Advanced Stage Management: PR: B.F.A. Stage Management major, C (2.0) or better required in TPA 3601. Skills necessary for stage managers in contemporary entertainment. <i>Fall.</i></p> | <p>TPA 5949C CAH-THEA 1(0,20) Design Practicum II: PR: Admission into the graduate program and TPA 5946C or C.I. Advanced work in the practical application of Properties and/or Design for the Theatre. <i>Occasional.</i></p> |
| <p>TPA 3260C CAH-THEA 3(2,2) Sound Design for Theatre I: PR: "C" (2.0) or better in TPA 2010C and TPA 2220C. Projects in the fundamentals of sound design for the stage. <i>Spring.</i></p> | <p>TPA 5029C CAH-THEA 3(2,2) Lighting Design Studio: PR: TPA 5042C and TPA 5062C. Advanced work in the process of designing light for the stage with an emphasis on the use of light as artistic expression. <i>Occasional.</i></p> | <p>TPP 2101 CAH-THEA 3(3,0) Fundamentals of Acting: PR: B.A. Theatre Major or minor, and C (2.0) or better in THE 2000 or THE 2020. Development of imagination, self-awareness and the ability to execute basic stage tasks. <i>Fall, Spring.</i></p> |
| <p>TPA 3383C CAH-THEA 2(2,4) Topics in Technical Theatre: PR: TPA 2230C. Techniques used in the production of scenery or costumes for the stage. Variable Topics. May be used in the degree program a maximum of 5 times. <i>Occasional.</i> M&S fee: \$35.00</p> | <p>TPA 5042C CAH-THEA 3(2,2) Costume Design Studio: PR: Admission to the graduate program in Theatre or C.I. Project oriented course in the advance study of Costume Design. <i>Occasional.</i></p> | <p>TPP 2110C CAH-THEA 3(2,2) Acting I - Introduction: PR: B.F.A. Theatre major, C (2.0) or better required in THE 2020 or THE 2000. Development of imagination, self-awareness, and the ability to execute basic stage tasks. <i>Fall, Spring.</i></p> |
| <p>TPA 3601 CAH-THEA 3(3,0) Stage Management: PR: "C" (2.0) or better in TPA 2600. Responsibilities of the stage manager prior to, during, and after performance as related to Departmental productions as well as professional union requirements. <i>Fall.</i></p> | <p>TPA 5062C CAH-THEA 3(2,2) Scene Design Studio: PR: Graduate status or C.I. Advanced work in the conceptualization and communication of scenic designs for the theatre. <i>Spring.</i></p> | <p>TPP 2170C CAH-THEA 3(2,2) Acting II -The Actor Prepares: PR: "C" (2.0) or better in TPP 2110C. Fundamental techniques to acting, with emphasis on characterization and character development. <i>Fall, Spring.</i></p> |
| <p>TPA 4041C CAH-THEA 3(2,2) Costume Design for Theatre II: PR: "C" (2.0) or better in TPA 3040C. A continuation of TPA 3040C. <i>Spring.</i></p> | <p>TPA 5081C CAH-THEA 3(3,3) Design Concepts for Youth Theatre: PR: Admission to the graduate program in Theatre or C.I. A study of design elements (lighting, costume, set) as they apply to youth theatre. <i>Odd Spring.</i></p> | <p>TPP 2185 CAH-THEA 3(3,0) Acting for Non-majors: Introduction to the fundamentals of acting. <i>Fall, Spring.</i></p> |
| <p>TPA 4061C CAH-THEA 3(2,2) Scenic Design for Theatre II: PR: "C" (2.0) or better in TPA 3060C. Project scene design work with an emphasis on design visualization, communication and professional standards and practices. <i>Spring.</i> M&S fee: \$37.00</p> | <p>TPA 5085C CAH-THEA 2(2,2) Design Seminar for Theatre: PR: Admission into Theatre MFA Design Track. Scenic, costume, lighting and sound design for theatre. <i>Occasional.</i></p> | <p>TPP 2190L CAH-THEA 1(0,VAR) Theatre Participation-Performance I: PR: Theatre major or minor or department consent. Participation in UCF Theatre productions. May be repeated for credit 8 times. <i>Fall, Spring.</i> M&S fee: \$15.00</p> |
| <p>TPA 4224C CAH-THEA 3(2,2) Lighting Design for Theatre II: PR: "C" (2.0) or better in TPA 3221C. Project lighting design work with an emphasis on visualization of design concepts, professional graphics, and paperwork standards and practices. <i>Occasional.</i> M&S fee: \$37.00</p> | <p>TPA 5095C CAH-THEA 1(1,1) Rendering for Theatre I: PR: Admission to the graduate program in Theatre or C.I. Traditional visual communication skills necessary for scenic, costume, and lighting design. <i>Fall.</i></p> | <p>TPP 2260 CAH-FILM 3(3,0) Acting for Film: PR: Film Majors. An introduction to acting for the camera. <i>Occasional.</i></p> |
| <p>TPA 4250C CAH-THEA 2(2,2) CADD for Theatre: PR: "C" (2.0) or better in TPA 2211 and TPA 2211L. Computer-aided drafting and design and its application for Theatre. <i>Fall.</i> M&S fee: \$23.00</p> | <p>TPA 5175C CAH-THEA 1(1,1) Rendering for Theatre II: PR: TPA 5095C. Software and technology available for visual communication and documentation. <i>Spring.</i></p> | <p>TPP 2700C CAH-THEA 3(2,2) Stage Speech/Voice: PR: BA Theatre major or minor and C (2.0) or better in THE 2000 or THE 2020. Practical stage voice as it applies to performance. Credit cannot be applied towards BFA acting and musical theatre majors. <i>Fall.</i></p> |
| <p>TPA 4251C CAH-THEA 2(2,2) Advanced CADD for Theatre: PR: "C" (2.0) or better in TPA 4250C. Advanced computer-aided drafting and design and its application for Theatre. <i>Spring.</i> M&S fee: \$38.75</p> | <p>TPA 5345C CAH-THEA 2(2,2) 2D Computer Assisted Design for Theatre: PR: Admission into the Theatre MFA Design Track. Two-Dimensional computer drafting and editing techniques applicable to theatre design. <i>Occasional.</i></p> | <p>TPP 2710C CAH-THEA 2(2,1) Voice Production I: PR: BFA acting major. Lessac, Skinner, phonetics, and the vocal apparatus. <i>Fall.</i></p> |
| <p>TPA 4264C CAH-THEA 3(2,2) Sound Design for Theatre II: PR: "C" (2.0) or better in TPA 3260C. Project sound design work with an emphasis on design communication and professional standards and practices. <i>Occasional.</i></p> | <p>TPA 5346C CAH-THEA 2(2,2) 3D Modeling for Theatre: PR: TPA 5345C. Three-dimensional computer modeling and editing techniques applicable for theatre design. <i>Occasional.</i></p> | <p>TPP 3103 CAH-THEA 3(3,0) Intermediate Acting: PR: B.A. Theatre major or minor and C (2.0) or better in TPP 2101. Practice and execution of scene work, monologue work, and exercises. <i>Occasional.</i></p> |
| <p>TPA 4293L CAH-THEA 1(0,VAR) Theatre Participation-Production II: PR: "C" (2.0) or better in TPA 2290L. Participation in UCF Theatre Productions. May be used in the degree program a maximum of 8 times. <i>Fall, Spring.</i> M&S fee: \$15.00</p> | | <p>TPP 3172C CAH-THEA 3(2,2) Acting III - Building the Character: PR: Grade of C (2.0) or better required in TPP 2170C. Reinforcement of acting techniques begun in Acting II, with emphasis on characterization and character development. <i>Spring.</i></p> |

UCF Courses and Descriptions

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| <p>TPP 3197L CAH-THEA 3(0,VAR) Summer Theatre/Performance: PR: Audition/Interview or departmental consent. Production assignments and responsibilities during the rehearsals/performance of play scripts produced on the UCF mainstage. May be used in the degree program a maximum of 8 times. <i>Occasional.</i> M&S fee: \$20.00</p> | <p>TPP 3952L CAH-THEA 3(0,VAR) Summer Studio Performance: PR: Audition/Interview or departmental consent. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. <i>Occasional.</i> M&S fee: \$20.00</p> | <p>TPP 4271C CAH-THEA 2(2,2) Music Theatre Voice VI: PR: "C" (2.0) or better in TPP 4270C. Continuation of TPP 4270C and its application to music theatre performance. Individualized instruction. <i>Fall.</i></p> |
| <p>TPP 3250 CAH-THEA 3(2,2) Musical Theatre Acting I: PR: B.F.A. Musical Theatre major, and C (2.0) or better required in TPP 2110C. Practical acting techniques with solo musical theatre repertoire. <i>Fall.</i></p> | <p>TPP 4140C CAH-THEA 3(2,2) Acting IV - Creating the Role: PR: "C" (2.0) or better in TPP 3172C. Continued exploration and application of acting techniques through scene study. <i>Fall.</i></p> | <p>TPP 4311C CAH-THEA 3(2,2) Advanced Directing for Theatre: PR: 'A' grade in TPP 3310C. Practical experience directing class scenes and projects. <i>Spring.</i></p> |
| <p>TPP 3252 CAH-THEA 3(3,0) Musical Theatre Acting II: PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 3250. Practical acting technique as it applies to musical theatre scene study. <i>Spring.</i></p> | <p>TPP 4142C CAH-THEA 3(2,2) Acting V - Verse: PR: Grade of C (2.0) or better required in TPP 4140C. Verse drama with particular emphasis placed on scansion and verse in the plays of William Shakespeare. <i>Spring.</i></p> | <p>TPP 4531C CAH-THEA 2(2,1) Period Movement: PR: Grade of C (2.0) or better required in TPP 3172C. Continuation of Movement/Dance work. Emphasis given to period styles. <i>Fall.</i></p> |
| <p>TPP 3257C CAH-THEA 2(2,2) Musical Theatre Voice I: PR: B.F.A. Musical Theatre major, and C (2.0) or better in THE 2000 or THE 2020. Craft of singing including anatomy, physiology, and diction utilizing musical theatre repertoire. <i>Spring.</i></p> | <p>TPP 4143C CAH-THEA 3(2,2) Acting Styles: PR: "C" (2.0) or better in TPP 3103 or TPP 4140C. An advanced and comprehensive view of acting styles. <i>Occasional.</i></p> | <p>TPP 4746C CAH-THEA 2(2,2) Musical Theatre Voice VII: PR: BFA Musical theatre major and C (2.0) in TPP 4271C. Preparing musical theatre students for professional auditions. <i>Occasional.</i></p> |
| <p>TPP 3258C CAH-THEA 2(2,2) Musical Theatre Voice II: PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 3257C. Artistry of singing including function of music and lyrics, and problems in song interpretation utilizing musical theatre repertoire. <i>Fall.</i></p> | <p>TPP 4193L CAH-THEA 1(0,VAR) Theatre Participation-Performance II: PR: Theatre major or minor and "C" (2.0) or better in TPP 2190L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. <i>Fall, Spring.</i> M&S fee: \$15.00</p> | <p>TPP 4923C CAH-THEA 2(2,2) Musical Theatre Voice IV: PR: "C" (2.0) or better in TPP 4259C. Continuation of diagnosis and development of the singing voice using patter song, in-context and out-of-context presentation, stylization utilizing musical theatre repertoire. Individualized instruction. <i>Fall.</i></p> |
| <p>TPP 3264C CAH-THEA 3(3,2) Acting on Camera: PR: BA Theatre Major; a "C" (2.0) or better in TPP 2101, TPP 3103, and THE 2020. Preparing the actor for professional work in the TV/Film industry. <i>Occasional.</i></p> | <p>TPP 4221 CAH-THEA 3(3,0) Auditioning: PR: "C" (2.0) or better in TPP 3103 or TPP 4140C. Selecting monologues, auditioning techniques and cold readings. <i>Occasional.</i></p> | <p>TPP 4940L CAH-THEA 6(0,VAR) Theatre Internship: PR: Restricted to B.F.A. Theatre majors, and Junior Standing and subject to Departmental approval. Off-campus internship programs in professional theatre. Required of all B.F.A. theatre majors. <i>Fall, Spring.</i></p> |
| <p>TPP 3310C CAH-THEA 3(2,2) Directing for Theatre I: PR: Theatre majors, Junior Standing, and C (2.0) or better required in THE 3312. Principles and techniques of play direction to include script selection, directorial analysis, casting, composition/picturization, blocking, tempo, and rehearsal planning. <i>Fall, Spring.</i></p> | <p>TPP 4223C CAH-THEA 3(2,2) Theatre Careers for Performance: PR: B.F.A. Acting and Musical Theatre major, Junior standing. Techniques needed to secure employment in performance or related fields. <i>Spring.</i></p> | <p>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. <i>Odd Fall.</i></p> |
| <p>TPP 3510C CAH-THEA 2(2,1) Movement for the Actor I: PR: BFA Acting Major. Physical exploration of relaxation, release, and strengthening exercises designed to help the actor develop a more expressive body. <i>Fall.</i></p> | <p>TPP 4243C CAH-THEA 2(2,2) Circus Arts: PR: Theatre major or minor; "C" (2.0) or better in TPP 2101 or TPP 2110C and THE 2000 or THE 2020. Circus history and introduction to a wide range of circus skills. <i>Occasional.</i></p> | <p>TPP 5156C CAH-THEA 3(2,2) Acting Studio I: 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. <i>Fall.</i></p> |
| <p>TPP 3512C CAH-THEA 2(2,1) Stage Combat: PR: Grade of C (2.0) or better required in TPP 4531C. Stage combat with emphasis on hand-to-hand combat. <i>Spring.</i></p> | <p>TPP 4244 CAH-THEA 3(2,2) The Art of Storytelling: PR: Theatre major or minor; "C" (2.0) or better in TPP 2101 or TPP 2110C and THE 2000 or THE 2020. Application of theatrical storytelling as an art form. <i>Occasional.</i></p> | <p>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 (1850-) European playwrights with emphasis on the works of Ibsen/Chekhov/Shaw. <i>Spring.</i></p> |
| <p>TPP 3513C CAH-THEA 2(2,1) Movement for the Actor II: PR: C (2.0) or better in TPP 3510C. Reinforcement of the techniques of TPP 3510C. <i>Fall.</i></p> | <p>TPP 4253C CAH-THEA 3(2,2) Musical Theatre Acting III: PR: B.F.A. Musical Theatre major, and a "C" (2.0) or better in TPP 3252 and TPP 3258C. Advanced work in cabaret/one-person construction and performance with an emphasis on show preparation. <i>Occasional.</i></p> | <p>TPP 5246C CAH-THEA 2(2,2) Circus Arts: PR: Admission to Theatre graduate program or C.I. Circus skills and history. <i>Even Spring.</i></p> |
| <p>TPP 3711C CAH-THEA 2(2,1) Voice Production II: PR: "C" (2.0) or better in TPP 2710C. Reinforcing stage voice awareness introduced in TPP 2710C, focusing on a physical approach to acting texts. <i>Spring.</i></p> | <p>TPP 4259C CAH-THEA 2(2,2) Musical Theatre Voice III: PR: "C" (2.0) or better in TPP 3258C. Diagnosis and remedy of unique vocal challenges - utilizing musical theatre repertoire. Individualized instruction. <i>Spring.</i></p> | <p>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. <i>Spring.</i></p> |
| <p>TPP 3712C CAH-THEA 2(2,1) Voice Production III: PR: "C" (2.0) or better in TPP 3711C. Emphasis on study of Shakespearean and heightened language. <i>Fall.</i></p> | <p>TPP 4265C CAH-THEA 3(3,2) Acting VI - Acting for TV/Film: PR: "C" (2.0) or better in TPP 4142C. Application of previous acting training to the TV/Film medium. <i>Fall.</i></p> | <p>TPP 5273 CAH-THEA 2(2,0) Musical Theatre Acting I: PR: TPP 5157C. Integrated study in musical theatre acting, singing and movement applied to musical theatre performance, direction and choreography; emphasizing developing skills in textual and musical interpretation. <i>Occasional.</i></p> |
| <p>TPP 3730C CAH-THEA 2(2,1) Voice Production IV: PR: Grade of C (2.0) or better required in TPP 3712C. Analysis of dialects and regionalisms, reinforcing the study of phonetics, placement, and vocal apparatus. <i>Fall.</i></p> | <p>TPP 4268C CAH-THEA 3(3,2) Acting VII Advanced Acting For TV/Film: PR: "C" (2.0) or better in TPP 4265C. A practical, detailed, and structured approach to acting for the camera by working on a TV/Film project. <i>Spring.</i></p> | <p>TPP 5289C CAH-THEA 2(2,3) Acting Methodologies: PR: Admission to the graduate program in Theatre or C.I. Approaches to acting. <i>Even Fall.</i></p> |
| | <p>TPP 4270C CAH-THEA 2(2,2) Music Theatre Voice V: PR: "C" (2.0) or better in TPP 4923C. Advanced diagnosis and development of the singing voice and its application to musical theatre performance. Individualized instruction. <i>Spring.</i></p> | <p>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 stage direction as it applies to theatre for young audiences. <i>Odd Spring.</i></p> |

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| TPP 5515 | CAH-THEA | 2(2,0) | TSL 5380 | CAH-LANG | 3(3,0) | WOH 2022 | CAH-HIST | 3(3,0) |
| Movement Studio I: PR: Admission to MFA Performance Program. Graduate level course in principles and methods of movement for the stage focusing on relaxation, centering, increased physical control, and physical development of a character. <i>Fall.</i> | | | 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 Web sites for learning English as a second language. <i>Occasional.</i> | | | 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. <i>Fall, Spring.</i> | | |
| TPP 5516C | CAH-THEA | 2(2,1) | TSL 5525 | ED-TLP | 3(3,0) | WOH 2022H | CAH-HIST | 3(3,0) |
| 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 unarmed combat. <i>Spring.</i> | | | 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. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| TPP 5554C | CAH-THEA | 2(2,4) | TSL 5528 | ED-TLP | 3(3,0) | WST 3015 | CAH-WOM | 3(3,0) |
| Musical Theatre Dance I: PR: MFA Musical Theatre Majors. Advanced dance study with particular emphasis on the development of principles of alignment, coordination, isolation, and sequencing. <i>Fall.</i> | | | 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. <i>Fall, Spring.</i> | | | Introduction to Women's Studies: PR: ENC 1102 or C.I. Interdisciplinary course introducing students to key issues and problems regarding women and gender relations in past and present societies. <i>Fall, Spring.</i> | | |
| TPP 5555C | CAH-THEA | 2(2,4) | TSL 5940 | CAH-LANG | 3(3,0) | WST 3015H | CAH-WOM | 3(3,0) |
| Musical Theatre Dance II: PR: TPP 5554C. Advanced dance study with particular emphasis on the development and expression of characterization in dance. <i>Spring.</i> | | | Issues in TEFL: PR: Graduate status or senior standing or C.I. Address issues specifically related to TEFL, such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design. <i>Spring.</i> | | | Honors Introduction to Women's Studies: PR: ENC 1102 and Consent of Honors. Focus on women and gender in a transnational context. With Honors content. <i>Even Spring.</i> | | |
| TPP 5715C | CAH-THEA | 2(2,1) | TTE 4004 | ECS-CEE | 4(4,0) | WST 3020 | CAH-WOM | 3(3,0) |
| Stage Voice I: PR: Admission to MFA performance program. An introduction/review class examining the fundamentals of speaking on stage: the correct production of sound, breathing, relaxation of physical tension, and articulation. <i>Fall.</i> | | | Transportation Engineering: PR: SUR 2101C, EGN 3613 and STA 3032. Investigation of highway and transportation systems. Systems approach to planning, design, operation and administration of transportation networks. <i>Fall, Spring.</i> | | | Girls' Studies: PR: ENC 1102. Girls' Studies, an emerging field within Women's Studies, focuses on the material experiences of girls in U.S. and global cultures using academic and popular texts. <i>Occasional.</i> | | |
| TPP 5716C | CAH-THEA | 2(2,1) | TTE 4601C | ECS-CEE | 3(2,2) | WST 3371 | CAH-WOM | 3(3,0) |
| Stage Voice II: PR: Admission to the MFA Performance Program and TPP 5715C or C.I. Continuation of Graduate Voice Production I, studying Skinner's narrow transcription with consonants, review of all Linklater work, and introduction to the work of Arthur Lessac. <i>Spring.</i> | | | Urban Systems Design: PR: TTE 4004. Project course on design of transportation and urban systems using engineering design methodologies. <i>Spring.</i> M&S fee: \$15.00 | | | Women and Leadership: PR: ENC 1102. Interdisciplinary, feminist perspectives on women and leadership, examining issues such as gender differences in leadership styles, obstacles facing women leaders, and learning from women leaders. <i>Occasional.</i> | | |
| TPP 5754 | CAH-THEA | 2(2,0) | TTE 5204 | ECS-CEE | 3(3,0) | WST 3460 | CAH-WOM | 3(3,0) |
| Musical Theatre Voice I: PR: Admission to MFA Musical Theatre Program. Voice study devoted to the diagnosis and development of the singing voice and its application to musical theatre performance placing particular emphasis upon vocal technique. <i>Fall.</i> | | | Traffic Engineering: PR: TTE 4004. Study of operator and vehicle characteristics, and design for street capacity, signals, signs, and markings. <i>Occasional.</i> | | | Womanist Studies: PR: ENC 1102 or C.I. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. <i>Occasional.</i> | | |
| TPP 5935C | CAH-THEA | 2(2,2) | TTE 5700 | ECS-CEE | 3(3,0) | WST 3460H | CAH-WOM | 3(3,0) |
| 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. <i>Odd Spring.</i> | | | Railroad Engineering: PR: TTE 4004 and C.I. The major technical factors in location, construction, maintenance, and operation of railroad transportation systems. <i>Occasional.</i> | | | Honors Womanist Studies: PR: ENC 1102 and consent of Honors. Disciplines producing scholarship promoting a feminist of color perspective. With Honors content. <i>Occasional.</i> | | |
| TSL 4080 | ED-TLP | 3(3,0) | TTE 5805 | ECS-CEE | 3(3,0) | WST 3500 | CAH-WOM | 3(3,0) |
| Theory and Practice of Teaching ESOL Students in Schools: PR: Junior standing or C.I. Focuses on methods of teaching English to Speakers of Other Languages (ESOL), ESOL curriculum and materials, cross-cultural understanding, applied linguistics in second language teaching, and test and evaluation of ESOL. <i>Fall, Spring.</i> | | | Geometric Design of Transportation Systems: PR: TTE 4004 or C.I. Study of highway geometric design in the engineering of transportation systems. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | |
| TSL 4240 | CAH-LANG | 3(3,0) | TTE 5835 | ECS-CEE | 3(3,0) | WST 3561 | CAH-WOM | 3(3,0) |
| Issues in Second Language Acquisition: PR: TSL 4080. English phonology, morphology, syntax, and semantics, for future teachers. <i>Fall, Spring.</i> | | | Pavement Design: PR: CEG 4011C. Pavement types, wheel loads, stresses in pavement components; design factors such as traffic configurations, environment, and economy. <i>Occasional.</i> | | | Third Wave Feminisms: PR: WST 3015. Third wave feminist theories and practices with an activist focus. <i>Even Spring.</i> | | |
| TSL 5143 | CAH-LANG | 3(3,0) | VIC 3001 | COS-COMM | 3(3,0) | WST 4002 | CAH-WOM | 1(1,0) |
| 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. <i>Occasional.</i> | | | Visual Communication: PR: Journalism major or department consent. A study of human visual systems and influences of visual media on modern society. <i>Occasional.</i> | | | Researching Women and Gender: PR: WST 3015 or C.I. Introduces students to scholars and research in a variety of areas pertaining to the study of women and gender relations. <i>Occasional.</i> | | |
| TSL 5345 | ED-TLP | 3(3,0) | WOH 2012 | CAH-HIST | 3(3,0) | WST 5347 | CAH-WOM | 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. <i>Fall, Spring.</i> | | | 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. <i>Fall, Spring.</i> | | | 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. <i>Occasional.</i> | | |
| TSL 5376 | CAH-LANG | 3(3,0) | WOH 2012H | CAH-HIST | 3(3,0) | WST 5601 | CAH-WOM | 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. <i>Occasional.</i> | | | 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. <i>Occasional.</i> | | | Theories in Gender Studies: PR: Graduate standing, Gender Studies graduate certificate standing, or C.I. Foundational scholarship in gender studies, with emphasis on theoretical and interdisciplinary approaches to gender and sexuality. <i>Even Fall.</i> | | |

UCF Courses and Descriptions

ZOO 3701C COM-M&M 3(1,4)
Human Gross Anatomy & Dissection Techniques: PR: ZOO 3733C. Dissection techniques of the human body to teach students the skills required for the preparation of three dimensional materials (specimens). The primary student population should be junior/senior pre health professional applicants preparing for the basic medical sciences of professional schools. *Spring*. M&S fee: \$45.00

ZOO 3713C COS-BIOL 5(3,6)
Comparative Vertebrate Anatomy: PR: BSC 2010C and BSC 2011C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenetic significance. *Fall*. M&S fee: \$35.00

ZOO 3733C COM-M&M 4(3,3)
Human Anatomy: PR: BSC 2010C or equivalent. Structure of the human body. *Fall, Spring*. M&S fee: \$15.00

ZOO 3733H COM-M&M 4(3,3)
Honors Human Anatomy: PR: BSC 2010C or equivalent and Consent of Honors. Basic and functional anatomy in clinically oriented way to study systems within the human body. The lab component of this honors course provides enrichment and an opportunity to view cadaver specimens. With Honors Content. *Spring*.

ZOO 3736C COM-M&M 4(3,2)
Exercise Physiology Anatomy: PR: BSC 2010C, C.I. Gross anatomy for exercise physiology majors. *Fall, Spring*. M&S fee: \$15.00

ZOO 3744 COM-M&M 3(3,0)
Neurobiology: PR: BSC 2010C. Biological principles governing the physiology of the nervous system including electrical properties, chemical signaling, cellular composition, development, injury and regeneration. *Fall, Spring*.

ZOO 4205C COS-BIOL 4(3,3)
Biology and Ecology of Metazoan Invertebrates: PR: BSC 2010C, BSC 2011C, PCB 3044 or C.I. Anatomy, ecology, taxonomy, behavior, evolution, and parasitological relations of the radiates, bilateria, acelous, pseudocoelous, schizocoelous, and enterocoelous invertebrates. *Occasional*. M&S fee: \$15.00

ZOO 4310C COS-BIOL 4(2,6)
Vertebrate Evolution & Ecology: PR: BSC 2010C, BSC 2011C, PCB 3044, PCB 3063 or C.I. Vertebrate evolution and ecology, based on the paleontological and ecological literature. The laboratory places heavy emphasis on classification/identification and field work. *Occasional*. M&S fee: \$45.00

ZOO 4513 COS-BIOL 3(3,0)
Animal Behavior: PR: PCB 3044. Study of the current ideas in animal behavior, including the mechanism of behavior and evolutionary explanations. *Odd Fall*.

ZOO 4603C COS-BIOL 5(3,4)
Embryology/Development: PR: PCB 3063 and PCB 3023 or PCB 3522 or C.I. Concepts of developmental processes. Emphasis on mechanisms underlying vertebrate development. *Spring*. M&S fee: \$25.00

ZOO 4605 COM-M&M 3(3,0)
Human Clinical Embryology and Congenital Malformation: PR: ZOO 3733C. Advanced functional human clinical embryology with focus on congenital abnormalities. *Occasional*.

ZOO 4704C COM-M&M 4(3,1)
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*.

ZOO 4753C COM-M&M 4(3,3)
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&S fee: \$25.00

ZOO 5456C COS-BIOL 4(2,6)
Ichthyology: PR: ZOO 4310C, and graduate status or senior standing or C.I. Introduction to the biology of the fishes, their classification, evolution, and life histories. *Occasional*. M&S fee: \$25.00

ZOO 5463C COS-BIOL 4(2,6)
Herpetology: PR: 6 hours of zoology, and graduate status or senior standing, or C.I. Introduction to the biology of the amphibians and reptiles, their classification, evolution, and life histories. *Occasional*. M&S fee: \$15.00

ZOO 5475L COS-BIOL 3(0,6)
Field Ornithology: PR: PCB 3044 and graduate standing or C.I. Introduction to the identification, taxonomy, natural history, and biology of birds, with emphasis on survey techniques and systematics. *Occasional*. M&S fee: \$30.00

ZOO 5486C COS-BIOL 4(2,6)
Mammalogy: PR: 6 hours of zoology, and graduate status or senior standing, or C.I. Introduction to the biology of mammals, their classification, evolution, and life histories. *Occasional*. M&S fee: \$15.00

ZOO 5520 COS-BIOL 3(3,0)
Behavioral Ecology: PR: graduate status or senior standing, and C.I. Introduction to the field of Behavioral Ecology, which studies evolution of animal behavior in the wild. *Occasional*.

ZOO 5745C COM-M&M 4(3,3)
Essentials of Neuroanatomy: PR: Human/Comparative Anatomy, or Human/Animal Physiology or C.I. Fundamental concepts of both morphological and functional organization of the nervous system. Primary emphasis on human structure. *Occasional*. M&S fee: \$15.00

ZOO 5748C COM-M&M 5(3,2)
Clinical Neuroanatomy: PR: ZOO 3733C Human Anatomy. Provides the necessary knowledge to understanding the complexities of human nervous system, its normal and pathologic functions, relevant to practice of general medicine and/or neuroscientists. *Fall*.

ZOO 5881C COS-BIOL 4(3,4)
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&S fee: \$20.00



UNIVERSITY FACULTY

The date indicates the first year of employment at the University of Central Florida.

- ABBAS, HADI**, Assistant Professor of Art (1995), B.F.A., M.F.A. (Wichita State University)
- ABDALLAH, NAZIH**, Lecturer School of Electrical Engineering and Computer Science (2005), Ph.D. (University of Paris)
- ABDEL-ATY, MOHAMED**, Professor of Engineering (1995), B.S.C.E., M.S.C.E., Ph.D. (University of California at Davis), P.E. (Florida)
- ABEL, EILEEN M.**, Associate Professor of Social Work (1978), A.B., M.S.W., Ph.D., (Case Western Reserve University)
- ABRAHAM, CHARLIE**, Associate Professor of Art (1996), B.F.A., M.F.A. (University of Mississippi)
- ADAMS, CAROLE**, Associate Professor of History (1994), B.A., M.A., Ph.D. (Harvard University)
- ADAMS, KENNETH**, Professor of Public Affairs (2003), Ph.D. (State University of New York at Albany)
- ADAMS, MICHELLE**, Instructor of History (2007), B.A., M.A. (Northeastern Illinois University)
- AHEARN, DENNIS**, Visiting Instructor of Art (2007), B.F.A., M.F.A. (Temple University)
- AHERN, NANCY**, Assistant Professor, College of Nursing (2004), M.S.N., Ph.D. (University of Central Florida)
- AJAYI, RICHARD A.**, Associate Professor of Finance (1996), B.Sc., M.B.A., Ph.D. (Temple University)
- AKITA, KIMIKO**, Assistant Professor of Communication (2005), B.A., M.A., Ph.D. (Ohio University)
- AL-DEEK, HAITHAM**, Professor of Engineering (1992), B.C.E., M.S., Ph.D. (University of California at Berkeley), P.E. (Florida)
- ALABI, FORTUNE**, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
- ALBERS-BIDDLE, JUNIE**, Instructor of Education (2001), B.A., M.A. (University of Central Florida)
- ALDERMAN, BARBARA**, Assistant Librarian (2002), B.A., M.S. (Florida State University)
- ALEXANDER-SNOW, MIA**, Assistant Professor of Education (2008), B.A., M.Ed., Ph.D. (Vanderbilt University)
- ALI, TARIG**, Assistant Professor of Engineering Technology (2006), B.S., M.S., Ph.D. (Ohio State University)
- ALLEN, FRANK R.**, Associate Director for Administrative Services (1998), B.A., B.S., M.B.A., M.L.S. (University of Tennessee)
- ALLEN, JEFFERY W.**, Associate Professor of Marketing (1990), B.S., M.B.A., D.B.A. (University of Kentucky)
- ALLEN, KAY WILLIAMSON**, Associate Professor of Education (1990), B.S., M.Ed., Ph.D. (University of South Carolina)
- ALLGOOD, JANE**, Graduate Coordinator and Assistant Professor of Social Work (2002), B.A., M.S.W., Ph.D. (Florida State University)
- ALLRED, KELLY**, Assistant Professor, College of Nursing (2007), B.S.N., M.S.N., Ph.D. (University of Central Florida)
- ALMEIDA, JOHN A.**, Associate Professor of Music (1997), B.M., M.A. (Appalachian State University)
- ALRUTZ, MEGAN**, Assistant Professor of Theatre (2004), B.F.A., Ph.D. (Arizona State University)
- ALVAREZ, DIANE E.**, Assistant Professor of Education (2003), B.A., M.A., M.A., PH.D. (UNIVERSITY OF CALIFORNIA)
- AMBROSE, MAUREEN L.**, Professor of Management (1999), B.A., A.M., Ph.D. (University of Illinois at Urbana-Champaign)
- AMIDEI, CHRISTINA**, Instructor, College of Nursing (2007), B.S.N., M.S.N. (Loyola University of Chicago)
- AN, LINAN**, Assistant Professor of Engineering (2001), Ph.D. (Lehigh University)
- ANDREASEN, JANET**, Visiting Assistant Professor of Education (2005), B.S., M.A., Ed.D. (University of Central Florida)
- ANDREWS, DIANE**, Assistant Professor (2007), R.N., Ph.D. (University of Central Florida)
- ANGELOPOULOS, THEODORE**, Professor of Health Sciences and Secondary Joint Professor of Medicine (1998), B.S., M.S., Ph.D. (University of Pittsburgh)
- ANGLEY, PATRICIA**, Instructor of English (1998), B.A., M.A., Ph.D. (University of Hawaii)
- ANTON, WILMA**, Assistant Professor of Economics (2001), B.S., M.S., ABD (University of Illinois)
- APPLEGATE, BRANDON**, Associate Professor of Criminal Justice (1996), B.S., M.S., Ph.D. (University of Cincinnati)
- APPLEN, J.D.**, Associate Professor of English (1997), B.S., M.F.A., Ph.D. (University of Arizona)
- ARK, PAMELA**, Assistant Professor (2004), R.N., Ph.D. (University of Tennessee, Memphis)
- ARMACOST, ROBERT L.**, Director, University Analysis and Planning Support, and Associate Professor of Engineering (1991), B.S., M.S.O.R., D.Sc. (George Washington University)
- AROIAN, KAREN**, Professor, College of Nursing (2007), B.S., M.S., Ph.D. (University of Washington)
- ARTHUR, MICHAEL A.**, Head, Acquisitions & Collections and Assistant Librarian (2006), B.S., M.L.S., M.P.A. (Old Dominion University)
- ASHLEY, ROBERT A.**, Assistant Professor of Hospitality Management (1984), B.S., M.S. (Florida International University, C.E.C., C.C.E.)
- ATKINSON, TOM**, Visiting Assistant Professor of Education (2006), B.M.E., M.S.E., Ph.D. (Louisiana State University)
- AVNI, DORA**, Visiting Instructor of Hebrew (2007), B.A., M.A. (Ohio State University)
- AZIMI, CYRUS**, Lecturer of Psychology (2006), B.S., M.A., Ph.D. (Michigan State University)
- BAGLEY, GEORGE M.**, Associate Professor of Communication (1994), B.A., M.A. (University of Utah)
- BAI, HAIYAN**, Assistant Professor of Education (2006), B.A., M.A., Ph.D. (University of Cincinnati)
- BAILEY, CHARLES D.**, Professor of Accounting (1991), B.B.A., M.B.A., M.P.A., Ph.D. (Georgia State University)
- BAILL, I. CORI**, Courtesy Assistant Professor of Obstetrics & Gynecology (2008), M.D.
- BAKER, BARRY B.**, Director, University Libraries (1997), B.A., M.L.S. (Louisiana State University)
- BAKER, JOSIAH R.**, Instructor of Economics (2001), B.A., M.A., M.A.A.E. (University of Central Florida)
- BALLANTYNE, JOHN**, Associate Professor of Chemistry/ Forensic Science (1998), B.S., M.S., Ph.D. (State University of New York at Stony Brook)
- BARBER, SARAH**, Assistant Professor of Anthropology (2007), Ph.D. (University of Colorado)
- BARFIELD II, RUFUS**, Associate Professor of Communication (1998), B.A., M.A., Ph.D. (Howard University)
- BARNES, BETH**, Vice President and Chief of Staff, Office of the President, and Associate Professor of English (1968), B.A., M.A., Ph.D. (University of North Carolina at Chapel Hill)
- BARNES, THOMAS**, Courtesy Assistant Professor of Family Medicine (2008), M.D.
- BARONE, BRIAN**, Instructor of Italian (2006), B.A., M.A. (University of Notre Dame)
- BARRETT, AMY**, Externship Coordinator and Instructor of Communication Sciences and Disorders (2004), B.S., M.A. (University of Central Florida)
- BARRETT, NADINE**, Assistant Professor of Sociology (2007), B.A., M.A., M.S., Ph.D. (Texas Woman's University)
- BARRIENTOS, CHRISTIAN**, Visiting Instructor of Mathematics (2005),
- BARRINGER, BRUCE**, Associate Professor of Management (1995), B.S., M.B.A., Ph.D. (University of Missouri-Columbia)
- BARTKEVICIUS, JOCELYN**, Associate Professor of English (1994), B.A., M.A., M.F.A., Ph.D. (University of Iowa)
- BASCO, BUENAVENTURA B.**, Associate Librarian (1998), B.S.I.E., M.B.A., M.A.L.I.S. (University of South Florida)
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- BAST, CAROL M.**, Associate Professor of Legal Studies (1992), B.A., M.A., J.D. (New York Law School)
- BATARSEH, ISSA E.**, Director and Professor School of Electrical Engineering and Computer Science (1991), B.S., M.S., Ph.D. (University of Illinois at Chicago), P.E. (Florida)
- BATES, TODD**, Visiting Instructor of Philosophy (2005), B.A., B.A., Ph.D. (University of Pennsylvania)
- BATZNER, JAY**, Assistant Professor of Music (2006), B.M., M.M., D.M.A. (University of Missouri-Kansas City)
- BAYER, CYNTHIA A.**, Research Assistant, Professor (1996), B.S., Ph.D. (Syracuse University)
- BEARDSLEY, DAVID**, Courtesy Instructor of Psychiatry (2008), M.S.W./M.B.A.
- BECKER, DEBORAH**, Associate Faculty of Education (2001), B.A., M.S.Ed., Ed.D. (University of Central Florida)
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- BEILE, PENNY M.**, Head, Curriculum Materials Center and Associate Librarian (1998), B.A., M.Ed., M.S.L.S., Ph.D. (University of Central Florida)
- BEILER, ROSALIND J.**, Associate Professor and Interim Chair of History (1994), B.A., Ph.D. (University of Pennsylvania)
- BELFIELD, KEVIN D.**, Chair and Professor of Chemistry (1998), B.S., Ph.D. (Syracuse University)
- BELL, KATHLEEN**, Associate Professor of English (1991), B.S., M.Ed., Ph.D. (Arizona State)
- BENSON, CYNTHIA**, Instructor of Political Science (1985), B.A., M.A. (Ohio University)

- BENTLEY, COURTNEY C.**, Assistant Professor of Education (2007), B.A., M.S., Ed.D. (Columbia University)
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- MATHEWS, BRUCE E.**, Professor Emeritus of Engineering (1969), B.E.E., M.S.E., Ph.D. (University of Florida), P.E. (Florida)
- MATTSON, GUY C.**, Professor Emeritus of Chemistry (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 M.**, Professor Emeritus of Engineering (1969), B.S., B.C.E., M.C.E., M.S. (Physics), M.S., (Env. Engr.), Ph.D. (Rensselaer Polytechnic Institute)
- MEESKE, MIKE D.**, Professor Emeritus of Communication (1970), B.S., M.A., Ph.D. (University of Denver)
- 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)
- MILLICAN, CHARLES N.**, President Emeritus and Professor of Finance (1965), B.S., M.A., Ph.D. (University of Florida)
- MORGAN, BEN B., JR.**, Professor Emeritus of Psychology (1988), B.A., M.A., Ph.D. (University of Louisville)
- MULLIN, THOMAS A.**, Associate Professor Emeritus of Communication Sciences and Disorders (1972), B.A., M.S., Ph.D. (Syracuse University)
- O'KEEFE, M. TIMOTHY**, Professor Emeritus of Communication (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)
- OSTLE, BERNARD**, Professor Emeritus of Statistics (1967), B.A., M.A., Ph.D. (Iowa State University)
- PALMER, MARY J.**, Professor Emerita, Teaching and Learning Principles (1970), B.S., M.S., Ed.D. (University of Illinois)
- 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)
- 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)
- SCHIFFHORST, GERALD J.**, Professor Emeritus of English (1970), B.S., M.A., Ph.D. (Washington University)
- SCHRADER, GEORGE F.**, Professor Emeritus of Engineering (1969), B.S., M.S., Ph.D. (University of Illinois), P.E. (Florida, Illinois)
- SCOTT, DAVID F. JR.**, Holder, Phillips-Schenck Chair in American Private Enterprise: Executive Director, Dr. Phillips Institute for the Study of American Business Activity; and Professor Emeritus of Finance (1982), 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)
- SILFVAST, WILLIAM**, Professor Emeritus of Optics (1990), B.S., Ph.D. (University of Utah)
- SMITH, HARRY W., JR.**, Professor Emeritus of Theatre (1969), B.A., M.A., Ph.D. (Tulane University)
- SMITH, WILLIAM F.**, Professor Emeritus of Engineering (1968), B.A., M.S., Sc.D. (Massachusetts Institute of Technology), P.E. (California, Florida)
- SNELSON, FRANKLIN F., JR.**, Professor Emeritus of Biology (1970), B.S., Ph.D. (Cornell University)
- SOMERVILLE, PAUL N.**, Professor Emeritus of Statistics (1972), B.Sc., Ph.D. (University of North Carolina)
- SORG, STEVEN E.**, Associate Professor Emeritus of Education (1978), B.S., M.S., Ph.D. (Florida State University)
- SWEENEY, MICHAEL J.**, Interim Vice Provost, Regional Campuses, and Professor of Molecular Biology and Microbiology (1972), Ph.D. (Temple University School of Medicine)
- SWEET, HAVEN C.**, Associate Dean, College of Sciences, and Professor Emeritus of Biology (1971), B.S., Ph.D. (Syracuse University)
- TAYLOR, K. PHILLIP**, Professor Emeritus of Communication (1970), B.A., Ph.D. (Indiana University)
- TAYLOR, MICHAEL D.**, Professor Emeritus of Mathematics (1968), B.A., M.S., Ph.D. (Florida State University)
- TAYLOR, WALTER K.**, Professor Emeritus of Biology (1969), B.S., M.S., Ph.D. (Arizona State University)
- TESORI, ANTHONY P.**, Professor Emeritus of Education and Director Brevard Campus (1970), B.S., M.A., Ed.D. (New York University)
- THOMAS, MARGARET H.**, Professor Emeritus of Psychology (1971), B.A., M.A., Ph.D. (Tulane University)
- TUBBS, LeVESTER**, Associate Professor Emeritus, Educational Research, Technology, and Leadership (1980), B.S., M.S., Ed.D. (University of Missouri-Columbia)
- TUCKER, RICHARD D.**, Professor Emeritus of Psychology (1972), A.B., M.A., Ph.D. (Emory University)
- TZANNES, NICOLAOS S.**, Professor Emeritus of Engineering (1986), B.E.E., M.E.E., Ph.D. (Johns Hopkins University)
- WANIELISTA, MARTIN P.**, Professor Emeritus of Engineering (1970), B.S.C.E., M.S., Ph.D. (Cornell University), P.E. (Florida)
- WHITE, ROSEANN S.**, Associate Director of Academics, Burnett School of Biomedical Sciences; Professor Emeritus of Molecular Biology and Microbiology (1969), Ph.D. (University of Texas Southwestern Medical School)
- WHITEHOUSE, GARY E.**, Professor Emeritus of Engineering (1978), B.S.I.E., M.S.I.E., Ph.D. (Arizona State University), P.E. (Florida, Pennsylvania)
- WOLF, J. GARY**, Distinguished Service Professor Emeritus of Music (1972), B.M.Ed., M.M., D.M.A. (Eastman School of Music)
- WRIGHT, BURTON**, Professor Emeritus of Sociology (1970), B.S., M.S., Ph.D. (Florida State University)
- WYCOFF, EDGAR B.**, Associate Professor Emeritus of Communication (1972), B.S., M.B.A., Ph.D. (Florida State University)
- YOUSEF, YOUSEF A.**, Professor Emeritus of Engineering (1970), B.S.C.E., M.S., Ph.D. (University of Texas), P.E. (Florida, Texas)

COURTESY APPOINTMENTS

- ABDELRAHIM, MAEN A.**, Courtesy Associate Professor Biomolecular Science Center (2006), B.Sc. in Pharmacy, Ph.D. (Texas A&M University, College Station)
- ALI, MAHMOOD**, Courtesy Assistant Professor of Medicine/Department of Medical Education (2007),
- ANAGNOSTOPOULOS, GEORGIOS**, Courtesy Assistant Professor (2007), PSP, M.S., Ph.D. (University of Central Florida), M.S. (University of Central Florida), PSP (Polytechnic School of Patras, Paltra, Greece)
- ANGELIS, MICHAEL**, Courtesy Associate Professor of Surgery - Med. Ed. (2007), M.D.
- ARLEN, PHILIP A.**, Courtesy Assistant Professor (2008), Ph.D.
- AUSTIN, MITCHELL BYRNE**, Courtesy Associate Professor of Pediatric Otolaryngology (2008), M.D.
- AWE, JAIME J.**, Courtesy Professor of Anthropology (2007),
- BAKER, JAMES**, Courtesy Professor of Surgery - Med. Ed. (2007), M.D.
- BALLANTYNE, JOHN**, Associate Professor of Chemistry/Forensic Science (1998), Ph.D. (State University of New York at Stony Brook)
- BARRY, WAYNE**, Courtesy Assistant professor of Emergency Medicine - Med. Ed. (2007), M.D.
- 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 Molecular Biology & Microbiology: CREOL & FPCE (2004), B.S., 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 D.O. (Philadelphia College of Osteopathic Medicine)
- BONDAR, MYKHAILO**, Assistant Professor of Chemistry B.S., M.S., Ph.D. (Institute of Physics, Kiev, Ukraine)
- BORRERO, JOSE**, Courtesy Assistant Professor of Surgery (2008), M.D.
- BOSSHARDT, RICHARD**, Courtesy Assistant Professor of Surgery - Med. Ed. (2007), M.D.
- BRADY, LOUIS**, Courtesy Associate Professor of Orthopaedic Surgery - Med. Ed. (2007), M.D.
- BRUNELL, MARY LOU**, Instructor, College of Nursing (1980), M.S.N. (University of Pennsylvania)
- CALESTANI, CRISTINA**, Secondary Joint Assistant Professor of Biomolecular Science Center (2003), Ph.D. (University of Parma, Italy)
- CALIMANO, FRANCISCO**, Courtesy Assistant Professor of Medicine - Med. Ed. (2007), M.D.
- CAMDESSANCHE, JEAN-PHILLIPPE**, 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)
- CAMPBELL, MIKE**, Courtesy Instructor of Medical Education (2008), Ph.D.
- CARAKUSHANSKY, MAURI**, Courtesy Assistant Professor of Pediatrics (2008), M.D.
- CARLSON, JOHN K.**, Research Assistant Professor of Biology (2003), (University of Mississippi)
- CHACKO, CHOWALLUR**, Courtesy Assistant Professor of Psychiatry, College of Medicine, Department of Medical Education (2007), M.D.
- CHAHLAVI, AII**, Courtesy Associate Professor of Neurosurgery (2007),
- CHAI, KARL**, Associate Professor of Molecular Biology and Microbiology (1996), Ph.D. (Medical University of South Carolina)
- CHAKRABARTI, DEBOPAM**, Associate Professor of Molecular Biology and Microbiology (1995), Ph.D. (University of Calcutta-Bose Institute)
- CHAKRABARTI, RATNA**, Associate Professor of Molecular Biology and Microbiology (1996), Ph.D. (University of Calcutta)
- CHEN, PHILLIP**, Courtesy Assistant Professor of Molecular Biology and Microbiology (2002), M.D. (University of Alabama at Birmingham)
- CHITTICK, ELIZABETH**, Assistant Research Professor of Biology (2002), (Tufts University)
- CHOW, LOUIS C.**, Secondary Joint Professor of Optics & Photonics (2005), M.S., Ph.D. (University of California, Berkeley)
- COBB, KATHY**, Courtesy Adjunct Instructor, Educational Research, Technology, and Leadership (2007), J.D. (Stetson University)
- COFFEY, KEVIN**, Secondary Joint Associate Professor of Electrical and Computer Engineering (2005), B.A., B.S., M.S., PhD (Massachusetts Institute of Technology)
- COLE, ALEXANDER**, Secondary Joint Associate Professor of Molecular Biology and Microbiology (2003), Ph.D. (University of Medicine and Dentistry of New Jersey)
- COLE, ARIEL**, Courtesy Assistant Professor of Family Medicine, College of Medicine, Department of Medical Education (2007), M.D.
- COLUMBUS, GENE**, Department of Theatre (2000),
- COMMINS, STEPHEN**, Courtesy Associate Professor of Pediatrics (2008), M.D.
- COOK, CLAYTON B.**, Professor of Biology (2002), B.A., Ph.D. (Duke University)
- CORRIZOSA, JAIME**, Courtesy Associate Professor of Internal Medicine - Med. Ed. (2007), M.D.
- CRANIS, PETER**, Associate Faculty of Communication (2002), (University of Central Florida)
- CROCKETT, SAMUEL**, Courtesy Associate Professor of Medicine (2007), M.D.
- DAABOUL, JORGE J.**, Courtesy Associate Professor of Pediatrics (2008), M.D.
- DANIELL, HENRY**, Professor of Molecular Biology and Microbiology, Pegasus Professor, University Board of Trustee Chair (1998), Ph.D. (Madurai-Kamaraj University)
- De FREESE, DUANE**, Professor of Biology (2001), B.S., M.S., Ph.D. (Florida Institute of Technology)
- de LA ROSA, CARLOS L.**, Associate Professor of Biology (1998), B.S., Ph.D. (University of Pittsburgh)
- DEATON, JOHN**, Assistant Professor of Psychology (1994), B.A., M.A., Ph.D. (Catholic University of America, Washington, D.C.)
- DeFREESE, DUANE**, Visiting Associate Scientist and Interim Director, UCF Institute for Environmental Sustainability. (2008), B.S., M.S., Ph.D. (Florida Institute of Technology)
- DELIWALA, PALLAVI B.**, Clinical Faculty, College of Nursing (2002), (University of Bombay)
- DeLOACH, JR., BERNARD C.**, Courtesy Professor School of Electrical Engineering and Computer Science (2004), B.S., M.S., Ph.D. (Ohio State University)
- DEMARA, RONALD F.**, Secondary Joint Associate Professor, School of Computer Science (2004), B.S., M.S., Ph.D. (University of Southern California)
- DEMPSEY-WALLS, SUSAN**, Courtesy Clinical Faculty, College of Nursing (2005), B.S.N., M.S.N. (University of California at Los Angeles)
- DEUKMEDJIAN, ARA**, Courtesy Assistant Professor of Neurosurgery (2008), M.D.
- DEYRUP, MARK**, Assistant Professor of Biology (1994), B.S., M.S., Ph.D. (University of Washington)
- DHERE, NEELKANTH**, Research Professor of Mechanical Engineering and Secondary Joint Professor of Electrical Engineering (1990), B.S., M.S., Ph.D. (University of Poona, Pune, India)
- DIXIT, MEHUL**, Courtesy Associate Professor of Pediatrics (2008), M.D.
- DOBRADIN, ANDREW**, Courtesy Assistant Professor of Surgery, College of Medicine, Department of Medical Education (2007), M.D., Ph.D.
- DOGARIOU, ARISTIDE**, Secondary Joint Associate Professor School of Electrical Engineering and Computer Science (1995), Ph.D. (Hokkaido University)
- DOUKAS, MICHAEL A.**, Courtesy Professor of Health Services Administration (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)
- EAGLIN, RONALD**, Joint Associate Professor, School of Film & Digital Media and Engr Technology (2003), B.S., M.S., Ph.D. (University of Central Florida)
- EASTES, RICHARD W.**, Secondary Joint Assistant Professor of Electrical Engineering (2006), B.S., M.A., Ph.D. (The Johns Hopkins University)
- EDWARDS, JOHN**, Courtesy Assistant Professor of Pediatrics (2008), Courtesy Assistant Professor of Pediatrics
- ERTENBERG, LUCY**, Courtesy Associate Professor of Family Medicine (2007), M.D.
- FALLUCCA-SCHNEIDER, LINDA**, Clinical Faculty, College of Nursing (2002), (Rush University)

Courtesy Appointments

- FERNANDEZ-VALLE, CHRISTINA**, Associate Professor of Molecular Biology and Microbiology (1995), Ph.D. (University of Miami)
- FIELD, MELVIN**, Courtesy Associate Professor Biomolecular Science (2006), M.D. (University of Florida), Diplomat of the National Board of Medical Examiners
- FILARDO, ANTHONY**, Courtesy Instructor of Medical Education (2007),
- FLEMING, JOHN**, Courtesy Assistant Professor of Internal Medicine, College of Medicine, Department of Medical Education (2007), M.D.
- FONTANE, EMILY**, Courtesy Associate Professor of Emergency medicine (2008), M.D.
- FRANKLIN, RAYMOND**, Clinical Faculty, MLS, Department of Molecular Biology and Microbiology M.D., Ph.D. (University of Texas)
- FREEMAN, NEAL**, Courtesy Assistant Professor of Ophthalmology - Med. Ed. (2007), M.D.
- 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)
- FULTON III, ROLLAND**, Courtesy Associate Professor of Biology (2004), B.A., Ph.D. (Duke University)
- GARIBAY, IVAN**, Secondary Joint Instructor School of Electrical Engineering and Computer Science (2007),
- GARLAND, JAY**, Associate Research Professor of Biology (2002), B.S., M.S., Ph.D. (University of Virginia)
- GAVIN, LESLIE ANN**, Courtesy Assistant Research Professor of Pediatrics (2008), Ph.D.
- GIBSON, JANE**, Courtesy Assistant Professor of Pathology (2008), Ph.D.
- GLENER, DAVID**, Courtesy Assistant Professor of Anesthesiology (2008), M.D.
- GO, EUGENE**, Courtesy Assistant Professor of Medicine - Med. Ed. (2007), M.D.
- 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**, Secondary Joint Assistant Professor (2006), B.S., M.S., Ph.D. (University of Central Florida)
- GOODMAN, IRA**, Courtesy Associate Professor Biomolecular Science Center (2006), B.S., M.D. (Medical College of Pennsylvania), Board certified, Neurology (American Board of Psychiatry and Neurology)
- GOODWIN, KENNETH**, Courtesy Assistant Director, Career Services and Experiential Learning (2006),
- GORDIN, PATRICIA**, Courtesy Adjunct - Educational Research, Technology & Leadership (2007),
- GORDON, PAUL R.**, Courtesy Associate Professor of Pediatrics (2008), M.D.
- GORHAM, JAYNE S.**, Courtesy Adjunct (2007), Ed.D. (Nova Southeastern University)
- GRIFFIS, SUSAN E.**, Clinical Faculty, College of Nursing (2002), (Creighton University)
- GUARDA, LUIS A.**, Courtesy Professor, Medical Laboratory Sciences (2005), M.D. (University of Chile)
- GUNTER, GLENDA**, Associate Professor of Education and Secondary Joint Associate Professor of Digital Media (1996), A.S., B.S., M.A., Ph.D. (Mississippi State University)
- HADDADIN, MUNTHEER**, Courtesy Professor of Civil, Environmental, and Construction Engineering (2006), B.S., M.S., Ph.D. (University of Washington, Seattle, WA)
- HAFAEEZ, SAJID**, Courtesy Assistant Professor of Psychiatry (2008), M.D.
- HAIM, Y. DANIEL**, Courtesy Assistant Professor of Medicine (2007),
- HEINONEN, OLLE**, Associate Professor of Physics (1989), B.S., Ph.D. (Case Western Reserve University)
- HENDERSON, MOYA**, Courtesy Visiting Artist (2007),
- 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 de Venezuela)
- HICKEY, 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), Ph.D. (Massachusetts Institute of Technology)
- HIGBEE, RUSSELL**, Courtesy Professor of Molecular Biology and Microbiology (2004), D.V.M. (Oklahoma State University)
- HOESE, VALERIE**, Courtesy Associate Professor of Psychiatry (2007), Ph.D.
- HOLSENBECK, DANIEL**, Associate Faculty, School of Communication (1985), Ph.D. (Florida State University)
- HORNICK, RICHARD**, Courtesy Professor of Medicine (2007),
- HUANG, XU**, Courtesy Visiting Scholar (2007), BS., M.B.A., Ph.D. (Southwestern University of Finance and Economics), M.B.A. (Southwestern University of Finance and Economics), B.S. (Southwestern University of Finance and Economics)
- HUSTY, TODD**, Courtesy Assistant Professor of Emergency Medicine - Med. Ed. (2007), D. O.
- IRWIN, RICHARD B.**, Research Professor of Materials Science B.S., M.S., Ph.D. (University of Pittsburgh)
- JACOBS, DANIEL H.**, Courtesy Associate Professor of Neurology (2008), M.D.
- JARVIS, JOHN**, Courtesy Research Associate Professor (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, ERIC**, Secondary Joint Professor School of Electrical Engineering and Computer Science (2000), Ph.D. (University of Alabama)
- JOHNSON, NANCY M.**, Courtesy Clinical Nurse Specialist (2006), B.S., M.S.N. (University of Evansville, Indiana)
- KACHURIN, ANATOLY**, Courtesy Assistant Professor of Molecular Biology and Microbiology (2004), Ph.D. (Russian Academy of Science, St. Petersburg Nuclear Physics Institute)
- KALIDAS, KIRTI MANEKLAL**, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
- KAPLAN, MICHAEL**, Professor of Psychology Ph.D. (Columbia University)
- KAPOOR, VIKRAM**, Courtesy Professor of Electrical & Computer Engineering (2004), Ph.D. (Lehigh University)
- KAR, ARAVINDA**, Secondary Joint Associate Professor of Electrical and Computer Engineering (2005), B.S., M.S., Ph.D. (University of Illinois at Urbana-Champaign)
- KEATING, MICHAEL A.**, Courtesy Professor of Pediatric Urology (2008), M.D.
- KEIL, K. MICHAEL**, Courtesy Assistant Professor of Emergency Medicine - Med. Ed. (2007), M. D.
- KENNEDY, ROBERT S.**, Professor of Psychology B.A., M.A., Ph.D. (University of Rochester)
- KENNY, ROBERT F.**, Assistant Professor of School of Film and Digital Media and Secondary Joint Assistant Professor of Educational Research, Technology, and Leadership (2005), B.A., M.A., Ph.D. (University of Florida)
- KHALED, ANNETTE**, Secondary Joint Assistant Professor of Molecular Biology and Microbiology (2002), Ph.D. (University of Florida)
- KINCAID, J. PETER**, Professor of Psychology and Senior Research Scientist, Modeling and Simulation and Secondary Joint Professor of Medical Education B.A., M.A., Ph.D. (Ohio State University)
- KOCHAN, JANEEN**, Courtesy Instructor of Medical Education (2008), Ph.D.
- KRUPP, LINDA**, Courtesy Adjunct Instructor, Educational Studies (2007), Ed.D. (University of Florida)
- KUCHMA, MELISSA**, Courtesy Visiting Scientist - Biomedical Sciences - M&M (2006), B.S., Ph.D. (Massachusetts Institute of Technology), B.S. (University of Florida)
- KURJACK, EDWARD**, Courtesy Professor of Anthropology (2001), Ph.D. (Ohio State University)
- KYLE, TIFFANY LINKOVICH**, Courtesy Research Assistant Professor of Psychology (2007), B.A., M.S., Ph.D. (University of Central Florida), M.S. (University of Central Florida), B.A. (University of Central Florida)
- LACY, THOMAS**, Courtesy Associate Professor of Pediatrics (2007), M.D.
- LAIL, BRIAN A.**, Courtesy Assistant Professor of Electrical Engineering and Computer Science (2005), B.S., M.S., M.S. E.E., Ph.D.E.E. (New Mexico State University, Las Cruces, New Mexico)
- LAMPRECHT, CATHERINE L.**, Courtesy Assistant Professor of Pediatrics (2008), M.D.
- LAYISH, DANIEL**, Courtesy Associate Professor of Medicine (2007),
- LEE, HAEJONG**, Courtesy Research Associate in Public Affairs (2005), Ph.D. (Yonsei University, Seoul, Korea)
- LEHMAN, JEFFREY**, Clinical Professor in Communication Sciences and Disorders (2003), (University of Wisconsin)
- LELI, DANO**, Faculty Associate, Psychology B.A., M.S., Ph.D. (University of South Florida)
- LERUD, KRAIG**, Courtesy Assistant Professor of Pathology (2008), M.D.
- LEUENBERGER, MICHAEL N.**, Secondary Joint Assistant Professor of Electrical and Computer Engineering (2005), B.S., M.S., Ph.D. (University of Basel, Switzerland)

- LI, GUIFANG**, Secondary Joint Associate Professor School of Electrical Engineering and Computer Science (1997), Ph.D. (University of Wisconsin-Madison)
- LICITRA, CARMELO**, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
- LIEBERMAN, R. JANE**, Chair and Professor of Communication Sciences and Disorders (2000), B.S., M.S., Ph.D. (University of Florida)
- LIKAMWA, PATRICK, L.**, Secondary Joint Associate Professor School of Electrical Engineering and Computer Science (1993), Ph.D. (University of Sheffield)
- LILIE, JOYCE R.**, Associate Professor of Political Science (1985), B.A., M.A., Ph.D. (Johns Hopkins University)
- LIVINGSTON, FLOYD**, Courtesy Associate Professor of Pediatrics (2008), M.D.
- LOUGHNER, BARRY A.**, Clinical Faculty, Health Services Administration D.D.S., M.S., Ph.D. (University of Florida)
- LU, YOU MING**, Secondary Joint Associate Professor of Molecular Biology and Microbiology (2003), M.D., Ph.D. (University of Toronto, Toronto, Canada)
- MAGEE, THOMAS**, Courtesy Associate Professor of Radiology (2008), M.D.
- MARATHE, SHIRAM**, Courtesy Assistant Professor - Public Affairs (2007)
- MARTIN, JULIA**, Courtesy Associate Professor of Pathology (2007), M.D.
- MARTIN, LAWRENCE**, Professor, Public Administration and Public Affairs, Joint Appointment (2004), Ph.D. (Arizona State University)
- MARTINEZ, SANTIAGO**, Courtesy Assistant Professor of Pediatrics, College of Medicine, Department of Medical Education (2007), M.D.
- MASOOD, AHMED**, Courtesy Assistant Professor of Medicine - Med. Ed. (2007), M.D.
- MAYER, DAVID**, Secondary Joint Appointment, Assistant Professor of Psychology (2005)
- McDONALD, MICHAEL**, Courtesy Assistant Professor of Urology, College of Medicine, Department of Medical Education (2007), M.D.
- McHALE, MICHAEL**, Courtesy Clinical Faculty, College of Nursing (2002), (Philadelphia College of Osteopathic Medicine)
- McNEES, PATRICK**, Courtesy Faculty Associate, College of Nursing (2002), University of Florida
- McPHERSON, BRENDA**, Faculty Associate, Educational Studies (2003)
- McREYNOLDS, JOHN WILLIAM**, Courtesy Assistant Professor of Pediatrics (2008), M.D.
- MEDIN, A. LOUIS**, Professor of Engineering (Ohio State University)
- MEHTA, VINEET**, Courtesy Assistant Professor of Psychiatry (2008), M.D.
- MELLEN, JILL**, Assistant Research Professor of Biology (1999), B.S., M.S., Ph.D. (University of California, Davis)
- MELVIN, EUGENE**, Courtesy Assistant Professor of Anesthesiology (2008), M.D.
- MEMBRENO, JAIME**, Courtesy Assistant Professor of Ophthalmology, College of Medicine, Department of Medical Education (2007), M.D.
- MENGES, ERIC**, Assistant Professor of Biology (1994), B.S., M.S., Ph.D. (University of Wisconsin)
- MILLER, GARY**, Courtesy Assistant Professor of Family Medicine, College of Medicine, Department of Medical Education (2007), M.D.
- MILUNSKI, MARK**, Courtesy Associate Professor of Medicine (2007)
- MOBIN, SYED**, Courtesy Assistant Professor of Medicine - Med. Ed. (2007), M.D.
- MOLNAR, PETER**, Secondary Joint Assistant Professor of Biomolecular Science Center (2005), Ph.D. (Eotvos Lorand University, Hungary)
- MONIR, GEORGE**, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
- MONTGOMERY, AMANDA SOLES**, Courtesy Instructor of Medical Education (2008), M.S.W.
- MORRIS, LORI JEDLICA**, Courtesy Research Associate Professor of Biology (2004), B.S., M.S. (College of William and Mary)
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| MULLALLY, KAY , Security Officer, Certified Facility Security Officer (Defense Security Service) (1986) | QUIGLEY, MARTIN , Director, Campus Landscape and Natural Resources; Director, UCF Arboretum; Associate Professor, Dept. of Biology (2004), B.A., M.L.A.; Ph.D. (Louisiana State University) | SOILEAU, MARION J. , Vice President for Research & Commercialization and Professor of Optics & EECS (1987), B.S., M.S., Ph.D. (University of Southern California) | WILKENING, JAMES , Director, Recreation and Wellness Center (1992), B.S.B.A., M.A.T. (University of Louisville) |
| NEIGHBOR, J. EDWARD , Vice Provost, Academic Administrative Systems, and Professor of Physics (1987), B.S., M.S., Ph.D. (Massachusetts Institute of Technology) | RANGE, A. J. , Assistant Vice President for Regional Campus Student Services (1994), B.S., M.Ed. (Florida A&M University) | STEBBINS, CONSUELO , Assistant Vice President for Internationalization (1987), B.A., M.A., Ph.D. (Florida State University) | WINTER, DEBRA Y. , Director, Office of Graduate Financial Assistance and Publications (1996), B.A., M.A. (University of Central Florida) |
| NEWMAN, PETER , Director, Facilities Planning (1977), B.S. (Drexel University) | RATTI, BARBARA B. , Inspector General (1971), B.A., M.B.A., Ph.D. (University of Central Florida) | STERN, MICHAEL J. , Associate Dean, Graduate Studies, Professor of Biology (2007), B.S., Ph.D. (University of California at Berkeley) | WIRAG, J. ROBERT , Director, Health Services (2006), B.S., M.S., H.S.D. (Indiana University) |
| O'NEAL, THOMAS P. , Associate Vice President for Research & Commercialization, and Director, UCF Technology Incubator (1991), B.S.E.E., M.S., MBA, Ph.D. (University of Central Florida) | REA, PAM , Director, Student Disability Services (2000), B. A., M. Ed. (National-Louis University) | STINARD, CHARLENE , Director, Transfer & Transition Services (1990), B.A., M.A. (Columbia University) | WRIGHT, JENNIFER , Director, Student Academic Resource Center (2002), B.S.B.A., M.A. (Appalachian State University) |
| ORO, GLENNA , Constituent Relations (1999), B.A. (University of Central Florida) | REDDICK, ALZO J. , Director, Special Programs and Defense Transition Services (1990), B.S., M.E., Ed.D. (Nova University) | SUCHER, CYNTHIA , Associate Vice President, Community Relations (2006), B.A. (University of Central Florida) | YANCKELLO, ROBERT , Director, Computer Services and Telecommunications (2004), B.S., M.Ed., (Pennsylvania State University) |
| PATES, PATRICIA , Director, Academic Development Tech. Design and Research (1996), B.A., M.A., Ed.S. (University of Louisville) | REED, HAL C. , Assistant Vice President for Planned Giving (2000), B.A., J.D. (University of Kansas) | TREES, DIANE , Assistant Vice President, Director, Community Relations (1994), B.S., B.S.N., M.S. (University of Central Florida) | YOUNG, DENISE L. , Associate Vice President, Southern Regional Campuses (1990), B.A., M.S.W., Ph.D. (University of Michigan) |
| | | TRIBBLE, KEITH , Director, Athletics and Executive Vice President of UCF Athletics Association (2006), B.S. (University of Florida) | |

HONORARY DEGREES AWARDED

| | | | |
|---------------|---|---------------|--|
| December 1969 | Kurt H. Debus, Doctor of Engineering Science William H. Dial, Doctor of Commercial Science | May 1997 | Maxwell C. King, Doctor of Public Service Joe R. Lee, Doctor of Commercial Science |
| June 1970 | John W. Young, Doctor of Applied Sciences | August 1998 | Trevor Colbourn, Doctor of Humane Letters |
| March 1973 | Louis C. Murray, Doctor of Public Service | December 1998 | Linda W. Chapin, Doctor of Public Service |
| August 1974 | Fred C. Clayton, Doctor of Professional Engineering | December 1999 | Archbishop Desmond Tutu, Doctor of Humane Letters President Oscar Arias, Doctor of Humane Letters |
| August 1978 | Richard F. Livingston, Doctor of Business Administration | | Reubin O'D. Askew, Doctor of Public Service |
| June 1979 | Albert F. Hegenberger, Doctor of Engineering Science Lee R. Scherer, Doctor of Engineering Science | May 2000 | Lotfi Zadeh, Doctor of Science |
| December 1979 | Joseph Daniel Duffey, Doctor of Humane Letters | May 2001 | Richard M. Karp, Doctor of Science |
| June 1980 | Thelma Vivian Jackson Dudley, Doctor of Humanities Howard Phillips, Doctor of Public Service | | Joseph F. Traub, Doctor of Science LeRoy T. Walker Sr., Doctor of Public Service |
| December 1981 | Gene Burns, Master of Letters | | James Bacchus, Doctor of Public Services |
| April 1982 | Robert J. Whalen, Doctor of Engineering Science Andrew Duda, Jr., Doctor of Agricultural Service Ferdinand Duda, Doctor of Agricultural Service John Duda, Doctor of Agricultural Service | May 2002 | Richard M. DeVos, Sr., Doctor of Commercial Science |
| | | October 2002 | Nancy Burnett, Doctor of Commercial Science Albert Burnett, Doctor of Commercial Science |
| July 1982 | Mary Jo Davis, Doctor of Public Service William E. Davis, Doctor of Public Service | December 2002 | Robert E. Kahn, Doctor of Science |
| | | December 2004 | G. Vince Amico, Doctor of Science Lester Mandell, Doctor of Commercial Science |
| December 1982 | Joseph A. Boyd, Doctor of Engineering Science | May 2005 | Harriet Elam-Thomas, Doctor of Public Service |
| July 1983 | J. W. Hubler, Doctor of Engineering Science Charles Wadsworth, Doctor of Public Service | March 2006 | Anibel Acevedo Vila, Doctor of Public Science |
| | | December 2006 | Rita Bornstein, Doctor of Humane Letters |
| December 1984 | Allan E. Gotieb, Doctor of Laws | May 2007 | Charles Hard Townes, Doctor of Science |
| May 1985 | George J. Becker, Jr., Doctor of Public Service Jerry Collins, Doctor of Public Service D. Robert Graham, Doctor of Public Service Walter O. Lowrie, Doctor of Engineering Science William C. Schwartz, Doctor of Engineering Science | | |
| March 1986 | Isaac Bashevis Singer, Doctor of Letters | | |
| October 1988 | Elie Wiesel, Doctor of Letters | | |
| December 1988 | Sven Caspersen, Doctor of Engineering Science John D. Holloway, Doctor of Public Service Wolfgang-Detlef Petri, Doctor of Commercial Science | | |
| May 1989 | Frank M. Hubbard, Doctor of Public Service David Albertson, Doctor of Humane Letters William S. Jenkins, Doctor of Humane Letters James C. Robinson, Doctor of Public Service Charles N. Millican, Doctor of Laws | | |
| May 1990 | Helen Harris Perlman, Doctor of Humane Letters Thaddeus Seymour, Doctor of Letters | | |
| May 1991 | Roald Hoffman, Doctor of Science | | |
| May 1992 | Robert Bryan, Doctor of Humane Letters | | |
| May 1993 | Buell G. Duncan, Jr., Doctor of Commercial Science | | |
| May 1995 | Norman R. Augustine, Doctor of Engineering Science | | |
| December 1995 | Jesse Stone, Doctor of Humane Letters | | |
| April 1996 | Nicolaas Bloembergen, Doctor of Science | | |
| December 1996 | Richard A. Nunis, Doctor of Public Service | | |



UCF GLOSSARY

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/Drop: online procedure used to alter class schedules after registration. During this time, students can adjust their schedules through myUCF (<https://my.ucf.edu>) without penalty by adding or dropping courses. Students should check the appropriate term's *Web Enrollment Guide* for details.

AEP: Academic Exploration Program to assist undecided students.

A.S.: associate in science degree. A broad-based degree designed to prepare students to enter a wide variety of careers.

ASSA: Academic Services for Student Athletes.

Audit (course): to attend classes without receiving academic credit.

Audit (Degree): Computerized summary of progress toward completion of degree requirements to be used with academic advising and registration. Available from myUCF at <https://my.ucf.edu>. (See also "SASS Degree Audit")

BA: Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see Bachelors Degree.

Baccalaureate or Bachelors Degree: completion of all University and major graduation requirements as certified by the University (B.A. is the Bachelor of Arts degree and B.S. is the Bachelor of Science degree).

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

BSBS: Burnett School of Biomedical Sciences.

CAH: College of Arts and Humanities.

Catalog: resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change. Available online at <http://www.catalog.sdes.ucf.edu>

Catalog Year: the edition of the University catalog that governs course prerequisites, co-requisites and graduation requirements for a particular academic year.

CBA: College of Business Administration

CECS: College of Engineering and Computer Science

Certificate: special program of study supplemental to a major.

CI: consent of instructor.

Class Schedule Search: a component of the online myUCF system (at <https://my.ucf.edu>) that lists courses and class sections offered each academic term.

CLAST: College Level Academic Skills Test: the CLAST is a required statewide test which measures selected communication and mathematics skills.

CLAST Alternative: refers to another way of satisfying one or more subtests of the CLAST requirement other than taking the exam - through combination test scores (SAT or ACT) and specific course grades.

COE: College of Education.

COHPA: College of Health and Public Affairs.

College: collection of related academic departments. There are ten colleges at UCF: Arts and Humanities (CAH), Business Administration (CBA), Education (COE), Engineering and Computer Science (CECS), Health and Public Affairs (COHPA), Medicine (COM), Nursing (CON), Optics and Photonics (COP), The Burnett Honors College (TBHC), Rosen College of Hospitality Management (RHM), and Sciences (COS).

COM: College of Medicine.

Common Course Numbering: the statewide course numbering system (SCNS) uses a course designation that consists of a 3-letter prefix and a 4-digit number and when necessary a one-letter laboratory (L) or lecture/laboratory (C) suffix.

Common Program Prerequisite: the State of Florida has identified Common Program Prerequisites for all University programs. These prerequisites must be completed by all students entering that field of study, must be accepted by all state universities and must be applied towards the degree.

CON: College of Nursing.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meet three hours each week. Students should expect to spend at least two hours of study time outside of class for every hour spent in class. One semester hour equals 1.5 quarter hour.

Diploma: official certificate displaying earned degree, major and baccalaureate honors.

Directory Information: information items that the Family Educational Rights and Privacy Act of 1974, As Amended (FERPA) authorizes the University to release without the student's prior consent, unless the student has filed a "Directory Disclosure/Release Authorization Form" with the Registrar's Office. Directory information at UCF includes the student's name, current mailing address, telephone number, date of birth, enrollment status, dates of attendance, major field of study, degree and awards received, participation in officially recognized activities and sports, and athletes' height and weight.

Disqualified: a student on academic probation is disqualified upon failure to achieve a minimum 2.0 UCF GPA during the subsequent term. A student who is disqualified may not enroll at the University for two terms following disqualification. Readmission after two terms is not automatic.

Distance and Distributed Learning: learning online through the UCF Virtual Campus, which provides opportunities for students to enroll in credit courses and select degree programs through a variety of interactive distributed technologies.

Double Major: awarded when the student concurrently satisfies requirements for two majors.

Drop: a student may drop a course during the official Add/Drop period and a dropped course will not appear on the student's permanent record. Students are not fee liable for dropped courses.

Elective: any course not required as part of the General Education Program or as part of your major/minor.

Email: primary official means of communication with students regarding University business and information.

Enrollment: the act of registering in classes. This may be done through myUCF at <https://my.ucf.edu>, kiosk and in limited circumstances at the colleges' advising offices.

Enrollment Certification: an official University document that provides a student's enrollment history including status, dates enrolled, and degrees awarded, available online at <https://my.ucf.edu> in Student Self Service.

Equipment Fee: a charge associated with some majors to cover the use and replacement of equipment.

Excluded: a student readmitted following disqualification who fails to achieve a minimum 2.0 GPA is excluded from the University. Students are not eligible for readmission after exclusion. See "Readmission" for details.

Fee Invoice: a printout of courses for which the student has registered that lists each specific course, its meeting time(s) and day(s). The amount of tuition and fees due for all courses registered and the payment deadline date also is indicated. Available online at <https://my.ucf.edu> in Student Self Service.

Freshman and Sophomore Courses: lower level courses with common course numbers ranging from 1000-2999 (e.g., ENC 1101, English Composition I). Generally, freshmen should enroll in 1000 and 2000 level courses.

FTIC: abbreviation for "First Time In College," referring to those students who have completed fewer than 12 semester hours and currently are in their first term as a UCF college student after high school.

Full-Time Course Load: for undergraduates, a minimum of 12 credits in the Fall and Spring and Summer terms.

FYAE: First Year Advising and Exploration.

GEP: General Education Program: Specific courses required for all UCF degree programs providing skills and knowledge in general subject areas essential to continued learning and success, not only in college but throughout the student's life.

Gordon Rule: requires students to complete four composition courses (12 semester hours) and two courses (six semester hours) of mathematics at the level of college algebra or higher. Each course must be completed with a grade of "C-" (1.75) or better.

GPA: "Grade Point Average": the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of semester hours attempted, less hours resulting from NC, W, WP, and I grades.

Grade Forgiveness: refers to when a course taken at UCF is repeated, and for grade point average purposes, the grade earned in the first attempt is replaced by the grade earned in the second attempt at UCF (may be used only twice in the student's academic career).

Grade Point Deficiency: for readmission purposes only, this term is defined as the number of UCF credit hours earned with a "B" (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student's grade point deficiency is calculated when the student applies for readmission.

Health Form: documentation of immunity for measles and rubella, as well as consent for treatment at the University Health Center (must be completed and returned to Student Health Services prior to the first registration).

Hold: also called a "negative service indicator", this is a block on activity for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

Incomplete: grade assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Must be completed in 12 months or by graduation, whichever comes first.

Junior and Senior Courses: upper level courses with common course numbers ranging from 3000-4999 (e.g., ENG 3311, Advanced Expository Writing).

Kiosk: stand-alone PCs located in UCF public areas providing access to student records and general information.

Limited Access: certain academic programs designated as "limited access" only guarantee admission to a limited number of applicants.

Lower Level Courses: courses with a number of 1000-2999 (not less than 1000).

Major: group of related courses that constitute a focused program of study in a specific area of knowledge.

MASS: Multicultural Academic and Support Services

Material and Supply Fee: A charge associated with some courses to cover items consumed within the class.

Minor: a complement to a bachelor's degree program/major requiring at least 18 credit hours in a field.

myUCF: the 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, e-mail address, telephone number, and permanent/mailling addresses; search for courses each term; register, drop and add courses each term; withdraw from courses following the close of Late Registration and Add/Drop, print the "SASS 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 WebCT, Pegasus e-mail and the UCF computer labs.

Overall GPA: cumulative GPA of UCF and transfer course work.

Password: a series of four to eight characters and numbers chosen by the student that is associated with the PID (Personal Identification Number). Each time you use the PID to enter myUCF, you also will enter your Password.

Pending Status: category assigned to students who desire to enter limited or restricted access programs. Typically, students are required to complete the GEP and all major pre-requisites prior to admission into the desired limited access program. (Department will change student's status upon acceptance into the program.)

PID: (Personal IDentification Number): personal eight-digit code required when entering myUCF, or the UCF Information Kiosks.

PR: prerequisite refers to a specific course that must be taken and passed prior to enrolling in the primary course the student desires to take.

Probation: action taken when a student's UCF overall GPA drops below 2.0.

Readmission: reapply to the Registrar's Office after an absence of two or more terms.

Registration: the act of enrolling in classes. This may be done through myUCF at <https://my.ucf.edu>, kiosk and in limited circumstances at the colleges' advising offices.

Repeat Surcharge: additional fee applied when a student enrolls in the same course three or more times.

Restricted Access: a major that has additional admission requirements (e.g. early application date, a separate application or specific GPA requirements). There is no limit to the number of students who can be enrolled. Students meeting the specified requirement(s) normally will be admitted.

Restricted Electives: a specified group of courses within a major from which students must make selections.

Retention: a term used to describe students' continued enrollment at the University until successful completion of their educational goals.

RHM: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, academic advising, and various other programs and services to students.

SASS Degree Audit: A Student Academic Support System is a computerized degree audit that lists courses completed toward major and degree requirements.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

Satisfactory Academic Progress: a general eligibility requirement for financial assistance. (See the "Student Financial Assistance" section of this *Undergraduate Catalog*.)

Second Bachelors Degree: awarded when the student meets the requirements for both degrees and earns a minimum of 150 credit hours.

Section: refers to one of several offerings of the same course scheduled at different days of the week and hours of the day. For example: there may be 40 different sections of ENC 1101 offered within a term.

Sequence: a series of courses within the same subject area. Generally, the student takes these courses in numerical order (e.g., PHY 2053 then 2054). Students should consult the advisor before registering out of sequence.

SSYC: Sophomore & Second Year Center

STEP: State Tuition Exemption Program

Student Success Center: advising offices and other academic support services for first-year students located on the first two floors of Howard Phillips Hall.

SUS: State University System. All eleven Florida public universities are part of the SUS.

Term: the academic year at UCF is divided into segments called "terms" (also called "semesters"). Each lasts approximately 16 weeks. Some universities break the year into fourths and call them "quarters." UCF is on the semester system; however, we usually speak of "Fall Term," "Spring Term," or "Summer Sessions."

Term GPA: grade point average (GPA) on work attempted during any given term.

TBHC: The Burnett Honors College

Third Attempt Charge: See 'Repeat Surcharge.'

Track: one of two or more significant variations in a degree program or major. Approximately 50% of the courses in one track differ from the courses required in other tracks.

Transcript: official academic record mailed from the Registrar's Office.

TSD: Time Shortened Degree or Accelerated Education Opportunities.

TSR: Transfer Summary Report is a listing of all coursework transferring to the University for credit. A preliminary TSR is generated at the time of acceptance. A final TSR is processed after all final transcripts have been received by the Admissions Office.

Transient Student: a UCF student enrolled in courses at another regionally-accredited institution.

UCF Regional Campus System: UCF Cocoa, UCF Daytona Beach, UCF Heathrow, UCF Leesburg, UCF Ocala, UCF Osceola, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF South Orlando, and UCF West Orlando.

UCF GPA: grade point average (GPA) on all work attempted while in attendance at UCF.

Upper Level Courses: courses with a course number of 3000-4999.

Web Enrollment Guide: online at <http://registrar.ucf.edu>. Provides the "Academic Calendar," guides to registering online, Class Schedule Search and the Fee Invoice, and contains the policies that govern course registration. Each term's class listings are available only online through myUCF Class Schedule Search at <https://my.ucf.edu>.

Withdrawal, Withdraw from a Course: to formally request an official withdrawal from one or more courses during the first half of the term or session through myUCF (<https://my.ucf.edu>) or at the Registrar's Office.

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