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2013-2014

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UNDERGRADUATE EDITION

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PRESIDENT'S MESSAGE

A dynamic, competitive, elite research institution, Florida State University is world-renowned for the quality of its faculty, academic programs and a focus on developing graduates who are innovators and leaders.

From its pre-eminence in the sciences, arts and humanities, to a service-learning mission that is a model for the nation, an entrepreneurial culture, championship athletics and a prime location in the heart of the state capital, Florida State is widely known for offering an outstanding academic environment.

Located on the oldest continuous site of higher education in the state, Florida State is proud of its rich heritage and core values that champion excellence at every level. Building on its unique strengths, it is one of the most student-centered universities in the United States, distinctively providing academic rigor and an amazing array of research, creative efforts and engagement opportunities to students in a personal and caring atmosphere.

Our Veterans House and programs designed to aid student-veterans' transition to academic life, our Honors Scholars and Fellows House, Office of National Fellowships and Office of Undergraduate Research are all examples of our strong commitment to help our more than 41,000 students reach their highest academic goals.

As evidence of their success, the University's Garnet and Gold Scholar Society program awards undergraduates a credential affirming their leadership and professional, citizenship, and research skills, demonstrating their ability to build collaborative relationships in the academic, local, or global community.

Our dedication to excellence encompasses many realms. With many of our colleges ranked among the country's best, we stand firmly among the nation's top public universities. Led by a world-renowned faculty that has included six Nobel Laureates and numerous eminent scholars in many areas of the arts and sciences, our academic programs continue to receive major recognition for their quality and overall strength.

Florida State University's sixteen colleges and its Graduate School offer more than 320 undergraduate, graduate, doctoral, professional, and specialist degree programs, including medicine and law, covering a broad array of disciplines critical to society today. Each year the University awards approximately 3,000 graduate and professional degrees.

With its impressive breadth of leading graduate, professional, and undergraduate programs, Florida State University is a demanding, intellectually stimulating, yet warm and caring environment for students and faculty. Recognized nationally for its commitment to diversity, Florida State is a national leader in the number of doctorates awarded to African-American students and in the graduation rate of African-American undergraduates. Its College of Medicine and College of Law are ranked among the nation's top schools for Hispanic students.

Florida State's arts programs — dance, film, music and theatre — rank among the finest in the world, offering an arts education comparable to leading conservatories. Our creative writing program is ranked among the nation's best and is home to the most consistently honored and published student body in the country. Florida State is responsible for governance of the John and Mable Ringling Museum of Art and associated arts programs, one of the largest museum/university complexes in the nation.

Other programs consistently included in the top public university rankings include physics, chemistry, political science, psychology, criminology, public administration, library science, information, human sciences, business and law.

At the PhD level, interdisciplinary programs draw on notable research faculty strengths that transcend the traditional disciplines, including neuroscience, molecular biophysics, computational science, materials science and research at the National High Magnetic Field Laboratory—home to the world's most powerful magnets.

Our excellence also shines beyond traditional academic settings. Located in countries throughout the world, our international programs are unparalleled. In the area of athletics, our scholar-athletes continue to perform at championship levels on and off the field, and their hard work and dedication add to this university's outstanding reputation. Our students supplement their academic pursuits each year with hundreds of thousands of hours of community-service time outside of the classroom. In immeasurable ways, this university reaches out to our community, region, state, and nation. This level of service has been recognized by the Carnegie Foundation, which has selected Florida State for inclusion in its prestigious Community Engagement classification.

With a dedicated faculty and staff, a commitment to strong graduate and undergraduate programs that prepare students well for the marketplace, and a research agenda that contributes to the nation's economic well-being and quality of life, Florida State University is a leader in higher education. I hope that, as you become a part of our community, you will join us in our continuing pursuit of excellence.

UNIVERSITY CALENDAR

Opening and Closing Dates

	2013
Fall	August 26—December 13
Homecoming	November 16
	2014
Spring	January 6—May 2
Spring Break	March 10—March 14
Summer	2014
12 Week Session (A)	May 12—August 1
First 6 Week Session (B)	May 12—June 20
Second 6 Week Session (C)	June 23—August 1
First 8 Week Session (F—Law)	May 12—July 3

For extended dates, see the Extended Calendar available online at <http://registrar.fsu.edu>.

Legal Holidays (No Classes)

	2013
Labor Day	Monday, September 2
Veteran's Day	Monday, November 11
Thanksgiving Day	Thursday, November 28
Friday after Thanksgiving	Friday, November 29
Christmas Day	Wednesday, December 25
	2014
New Year's Day	Wednesday, January 1
Martin Luther King, Jr. Day	Monday, January 20
Memorial Day	Monday, May 26
Independence Day	Friday, July 4

For registration dates, see the *Registration Guide* available online at <http://registrar.fsu.edu>.

Admission/Readmission/Non-Degree/Transient Application Deadlines*

	Fall 2013	Spring 2014	Summer 2014
Undergraduate			
Freshman	January 14	The University does not ordinarily accept freshman applications in the Spring.	January 15
Transfer	July 1	November 1	March 1
Graduate¹	July 1	November 1	March 1
Readmission			
Undergraduate	August 1	December 1	April 1
Graduate ¹	July 1	November 1	March 1
Non-Degree			
Undergraduate	August 1	December 1	April 1
Graduate	August 1	December 1	April 1
Transient Student			
Undergraduate ²	August 1	December 1	April 1
Graduate	August 1	December 1	April 1

¹ Many graduate programs have earlier deadlines than the University-wide published dates. Contact the individual program or department for the applicable admission deadline. Programs that use the University-wide dates may have earlier deadlines for financial-award consideration.

² Includes the Tallahassee Community College/Florida State University Cooperative Program and the Florida Agricultural and Mechanical University/Florida State University Interinstitutional Registration Program.

*All information used to make an admission decision must be received by the published deadline. If the University deadline falls on a weekend, applicants have until the following Monday to submit applications and all supporting documents. Additionally, the University reserves the right to close earlier if warranted by enrollment limitations. Deadlines for applications and supporting documents at the FSU Panama City Campus are typically one month prior to the start of each term. Further information is available by calling the Office of Admissions and Records on the Panama City campus at (850) 7710-2160 or by visiting their Web site at <http://www.pc.fsu.edu>.

FALL 2013 ACADEMIC CALENDAR

Note: Dates and times listed below are subject to change. Please refer to http://registrar.fsu.edu/dir_class/fall/acad_cal.htm for the most up-to-date information.

Mar. 2, 2013	Open enrollment for Fall-only and Annual Health Insurance begins.
Mar. 18–Apr. 26, 2013	Registration for currently enrolled and readmitted degree-seeking students. See “Registration Windows” in the <i>Registration Guide</i> .
August 1, 2013	Last day for community college, FSU, and FAMU students to submit Fall 2013 Cooperative Program applications.
Aug. 21, 2013	Residence Halls open at 9:00 a.m.
Aug. 24–29, 2013	Drop/Add , (includes College of Law) Begins 8:00 a.m. on Aug. 24 and ends 11:59 p.m. on Aug. 29.
Aug. 25, 2013	New Student Convocation, Civic Center, 1:30 p.m.
Aug. 26, 2013	Classes Begin. Application window opens for Fall Graduation 2013 (visit https://my.fsu.edu and log on to Secure Apps). Last day to file for change in residency status.
Aug. 26–29, 2013	Late Registration (\$100.00 late registration fee.)
Aug. 29, 2013	Fourth Day of Classes. Last day to Drop/Add and have fees adjusted. Last day to cancel enrollment and have fees removed. Last day to add a course without Academic Dean’s permission.
Aug. 30, 2013	Fifth Day of Classes. Registration for state employees (non-FSU employees) using State Employee Fee Waivers (see ‘State Employee Fee Registration’ in “Registration Information” in the <i>Registration Guide</i> for instructions). Last day to request VA deferment from VA representative in Registrar’s Office. Last day to submit waivers or billings.
Sept. 2, 2013	Labor Day. No Classes.
Sept. 3, 2013	Financial aid available via EFT in FSUCard accounts. First day to apply for financial aid deferments and delayed delivery loans. All financial aid students must check their financial aid status at http://www.ais.fsu.edu/finaid .
Sept. 6, 2013	Last day to pay or defer fees for all students, including veterans who are not using a veteran deferment, without a \$100.00 late fee. Veterans should contact a VA representative with questions.
Sept. 13, 2013	Last day to file for Fall 2013 Graduation. (Visit https://my.fsu.edu and log on to Secure Apps.)
Sept. 15, 2013	Open enrollment for Fall-only and Annual Health Insurance ends.
Sept. 30, 2013	Spring 2014 <i>Registration Guide</i> available. Spring 2014 course listings available on Course Lookup System.
Oct. 4, 2013	Final payment for installment contracts due.
Oct. 11, 2013	End of seventh week of semester. Last day to submit form requesting S/U grading or to change S/U option back to a regular grade. Last day to reduce course load without the permission of Academic Dean. Dean’s permission required to drop below twelve semester hours. Last day to drop a course without receiving a grade. Last day to withdraw without receiving a grade. Last day for doctoral students to take and pass their preliminary examination in order to add or convert dissertation hours for the current semester. Financial Aid Deferments Expire.
Oct. 14, 2013	Registration for Spring 2014 begins.
Nov. 6, 2013	Initial Format Submission and Defense Deadline
Nov. 11, 2013	Veterans’ Day Holiday. No Classes.
Nov. 12, 2013	Final Manuscript Submission Deadline.
Nov. 15, 2013	End of 12th week of semester. Deadline for late drop with Dean’s permission. Homecoming: No classes after 1:10 p.m.
Nov. 19, 2013	Final Manuscript Submission Deadline.
Nov. 22, 2013	Financial Aid Exit Interview for all students with federal loans graduating, transferring, or taking less than six semester hours. (Visit https://my.fsu.edu and log on to Secure Apps.)
Nov. 27–29, 2013	Thanksgiving Day Holiday. No classes.
Dec 2, 2013	Last day for community college, FSU, and FAMU students to submit Spring 2014 Cooperative Program applications.
Dec. 3, 2013	Official Thesis/Dissertation manuscript approval deadline, <i>314 Westcott</i> .
Dec. 6, 2013	Last Day of Classes. Last day to turn in ServScript verification forms. Last day to reduce course load, if permitted, by the Academic Dean. Last day to officially withdraw from the University. Last day to apply for AA Certificate at the Office of Undergraduate Studies, <i>UCA 3400</i> . Veterans’ Deferments Expire. Fall tuition payment must be received to avoid a late payment fee.
Dec. 9–13, 2013	Final Exam Week.
Dec. 13, 2013	Semester Ends. Last day to submit extensions for “incomplete” grades by 4:00 p.m. Commencement , Civic Center, 7:30 p.m.
Dec. 14, 2013	Residence Halls close at noon. Commencement , Civic Center, 9:00 a.m. Diplomas dated this date.
Dec. 17, 2013	Online Grades Due by 4:00 p.m.
Dec. 18, 2013	Grades available online.

UNIVERSITY NOTICES

President's Statement on Equal Opportunity and Non-Discrimination

The Florida State University (University) is an equal opportunity employer and educational provider committed to a policy of non-discrimination for any member of the University's community on the basis of race, creed, color, sex, religion, national origin, age, disability, veterans' or marital status, sexual orientation, gender identity, gender expression, or any other protected group status. This policy applies to faculty, staff, students, visitors, applicants, and contractors in a manner consistent with applicable federal and state laws, regulations, ordinances, orders and rules, and University policies, procedures, and processes.

In pursuing its mission of excellence as a comprehensive, graduate-research university with a liberal arts base, the University strives to create and maintain a harmonious, high performance work and educational environment.

It is my expectation that all members of our community are provided equitable opportunities to succeed and enrich the strength, skill, and character of the University. It is also expected that all members of our community will help create a work and educational environment that promotes fairness, respect, and trust, free from discrimination or harassment. Behavior that may be considered offensive, demeaning, or degrading to persons or groups will not be tolerated.

The University will continue to reinforce its commitment of non-discrimination to all groups protected by state and federal law. We will continue to monitor our methods of recruitment, retention, and advancement of qualified faculty, staff, and students and annually examine our affirmative action plan, as prescribed by federal guidelines, to measure how our campus is reflective of the community we serve.

The University further recognizes that forms of discriminatory or harassing behavior may create an unwelcomed or hostile environment and lead to an uncomfortable situation. As a result, the University has established internal complaint procedures available to all who believe their experience on any of our campuses has been less than appropriate.

To facilitate or otherwise strive to ensure university-wide compliance, I have appointed Renisha Gibbs, Director, Human Resources/Office of Equal Opportunity and Compliance and University Title IX Coordinator, to develop, administer, and coordinate university-wide initiatives and complaint investigations. This will be accomplished through collaboration with the Dean of Students Department, the Athletics Department, the Office of Faculty Development and Advancement, and all University divisions, colleges, and departments.

Questions regarding the above may be directed to your supervisor or Renisha Gibbs at (850) 644-8082 or rgibbs@admin.fsu.edu.

Individuals with Disabilities

The Florida State University adheres to *Section 504 of the Rehabilitation Act of 1973* and the *Americans with Disabilities Act of 1990 (ADA)*, as amended by the *Americans with Disabilities Amendments Act of 2008*, in prohibiting discrimination against any qualified individual with a disability. Any student with a disability may voluntarily self-report the nature of the disability and identify needed accommodations to the Student Disability Resource Center, *108 Student Services Building*. To request reasonable accommodations for employment or visitors, please contact The Florida State University Human Resources/Office of Equal Opportunity and Compliance, located at *University Center, Bldg. A, Suite 6200*, or call (850) 645-6519.

HIV/AIDS Policy

Students, employees, and applicants for admission or employment at Florida State University who have or who may become infected with HIV will not be excluded from enrollment or employment or restricted in their normal responsibilities and access to University services or facilities due to their HIV/AIDS status, unless individual medically based judgments establish that exclusion or restriction is necessary for the welfare of the individual or of other members of the University community. That is, the University will not discriminate against otherwise qualified HIV-infected applicants, students, or employees.

The Florida State University Committee on HIV/AIDS is responsible for monitoring developments with regard to HIV/AIDS, acting upon and administering the policies of the Florida Department of Education Division of Colleges and Universities and the University concerning HIV/AIDS and coor-

inating the University's efforts in educating the University community on the nature and prevention of the disease. In addition, the Florida State University Committee on HIV/AIDS meets as needed to consider special problems related to HIV/AIDS that require University action.

The University will be guided in its implementation of this policy by current authoritative medical information, applicable federal and state law, Florida Department of Education Division of Colleges and Universities' HIV/AIDS Policy, and the guidelines suggested by the Centers for Disease Control, the Public Health Service, the American College Health Association, and the Florida Department of Health.

Florida State University has designated HIV/AIDS counselors who are available to the University community. Counselors are located at University Health Services (850) 644-8869; University Student Counseling, (850) 644-2003; or University Health Services Health Promotion Department (850) 644-8871. Confidential HIV testing is available for students and staff at University Health Services. Any interested individuals should call (850) 644-8871 to schedule an appointment.

Sexual Harassment Policy

- Policy Statement:** Sexual harassment is a form of discrimination based on a person's gender. Sexual harassment is contrary to the University's values and moral standards, which recognize the dignity and worth of each person, as well as a violation of federal and state laws and University rules and policies. Sexual harassment cannot and will not be tolerated by The Florida State University, whether by faculty, students, or staff or by others while on property owned by or under the control of the University.
- Office of Equal Opportunity and Compliance:** The Office of Equal Opportunity and Compliance (EOC) is charged with receiving and investigating sexual harassment complaints as set forth in this policy and shall maintain the records pertaining thereto.
- Definition:** Sexual harassment is defined as unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature directed at an employee or student by another when:
 - Submission to such conduct is made either explicitly or implicitly a term or condition of employment, academic status, receipt of University services, participation in University activities and programs, or affects the measure of a student's academic performance; or
 - Submission to or rejection of such conduct is used as the basis for a decision affecting employment, academic status, receipt of services, participation in University activities and programs, or the measure of a student's academic performance; or
 - Such conduct has the purpose or effect of unreasonably interfering with employment opportunities, work or academic performance or creating an intimidating, hostile, or offensive work or educational environment.
- Examples of Sexual Harassment:** Incidents of sexual harassment may involve persons of different or the same gender. They may involve persons having equal or unequal power, authority or influence. Though romantic and sexual relationships between persons of unequal power do not necessarily constitute sexual harassment, there is an inherent conflict of interest between making sexual overtures and exercising supervisory, educational, or other institutional authority. Decisions affecting an employee's job responsibilities, promotion, pay, benefits, or other terms or conditions of employment, or a student's grades, academic progress, evaluation, student status, recommendations, references, referrals, and opportunities for further study, employment or career advancement, must be made solely on the basis of merit. Examples of sexual harassment include, but are not limited to, the following, when they occur within the circumstances described in Section (3) above:
 - Use of gender-based verbal or written language, including electronic communications offensive or degrading to a person of that gender, whether or not the content is sexual;
 - Inappropriate display of gender-based pictorial images offensive or degrading to a person of that gender, including but not limited to sexual posters, photographs, cartoons, drawings, or other displays of sexually suggestive objects or pictures;

- c. Use of inappropriate gestures or body language of a sexual nature, including leering or staring at another;
- d. Unwelcome requests or demands for sexual favors or unwelcome sexual advances;
- e. Inappropriate nonconsensual touching of another's body, including but not limited to kissing, pinching, groping, fondling, or blocking normal movement;
- f. Sexual battery. (**Note:** Some acts of sexual harassment may also constitute violations of criminal law, e.g., sexual battery, indecent exposure, sexual abuse, etc. In such instances, please refer to the FSU Sexual Battery Policy.)
5. **Disciplinary and Other Actions:** Sexual harassment is prohibited by The Florida State University. The University will take appropriate action against any person found to be in violation of this policy.
Note: A person who has sexually harassed another or retaliated against another may also be subject to civil or criminal liability under state or federal law.
- a. **Disciplinary Actions.** Any employee who has sexually harassed another employee or a student, retaliated against such person for bringing a complaint of sexual harassment, or otherwise violated this policy shall be guilty of misconduct and subject to disciplinary action up to and including dismissal, in accordance with applicable law, rules, policies, and/or collective bargaining agreements. In addition, any student who has sexually harassed another student or an employee, retaliated against such person for bringing a complaint of sexual harassment, or otherwise violated this policy may be subject to disciplinary action up to and including expulsion, pursuant to the Student Code of Conduct. The term "employee" includes all persons employed by the University including faculty and graduate teaching assistants.
- b. **Other Actions.** The University will take such corrective action against any non-students or non-employees found to have violated this policy, as may be appropriate under the circumstances.
6. **Retaliation:** Retaliation against one who in good faith brings a complaint of sexual harassment or who in good faith participates in the investigation of a sexual harassment complaint is prohibited and shall be a violation of this policy and shall constitute misconduct subject to disciplinary or other action as described in Section (5) above.
7. **Filing of False Sexual Harassment Complaint:** Knowingly filing a false sexual harassment complaint is prohibited and shall be a violation of this policy and shall constitute misconduct subject to disciplinary action as described in Section (5) above. A complaint that is investigated and deemed unsubstantiated is not necessarily a false complaint.
8. **Reporting Required:** Any student or employee who has witnessed what is perceived to be a violation of this policy should promptly report that conduct to the EOC, who then will proceed as appropriate. Any supervisor who has witnessed or becomes aware of the alleged occurrence of sexual harassment by, or who receives a complaint of sexual harassment involving a person within that supervisor's purview is required to take prompt corrective action as appropriate, and to report the matter, if possible, within two work days to the EOC. Failure of the supervisor to take appropriate corrective action or to report the incident shall be a violation of this policy and shall constitute misconduct subject to disciplinary action as described in Section (5) above.
- Note:** For the purposes of this policy, the term "supervisor" shall be deemed to include vice presidents, deans, directors, department chairs, unit heads, supervisors, principal investigators, etc.; faculty when acting in a supervisory capacity or within the faculty-student role; and graduate research assistants, teaching assistants, lab technicians, residence hall coordinators, etc.
9. **Complaint Procedure:**
- a. **Filing of Complaint.** Any student or employee who believes that he or she is a victim of sexual harassment in violation of this policy is encouraged to promptly notify the alleged perpetrator (the "respondent") verbally or in writing that his or her conduct is unwelcome. Such action may cause the unwelcome conduct to cease as well as help to maintain an environment free from sexual harassment. Assistance and support is available from the Office of Faculty Development and Advancement (for faculty), the Dean of Students Department (for students), or the Office of Human Resources. Regardless of having given notice to the respondent, the student or employee (the "complainant") may initiate a complaint under this policy by promptly bringing the matter to the attention, preferably in writing by completing the complaint form, of any of the following:
- The Office of Equal Opportunity and Compliance
 - The Office of Faculty Development and Advancement
 - The Dean of Students Department
 - The Office of Human Resources
 - A student's school or college dean
 - An employee's immediate or next immediate supervisor
- All complaints should be filed in a timely manner. Complaints filed for acts that occurred more than one year from the filing date of the complaint will generally not be investigated unless appropriate in the judgment of the EOC.
- b. **Preparing a Complaint:** The complainant should provide the following information to facilitate a prompt and thorough investigation:
- The names, addresses, telephone numbers, administrative unit, and position or status of the complainant and the respondent, if known;
 - Specific acts alleged, including dates, times, and locations;
 - Names, addresses, and phone numbers of potential witnesses;
 - The effect the alleged acts have had on the complainant;
 - Actions the complainant may have taken to attempt to stop the harassment;
 - Complainant's suggestion of proposed action to address or resolve the harassment;
 - Other information the complainant believes is relevant.
- c. **Transmitting a Complaint to the EOC:** The complaint shall immediately be forwarded to the EOC. If the complaint is verbal, the person receiving the complaint shall make a written summary thereof on the complaint form and request the complainant to sign it.
- d. **Reviewing a Complaint.** The EOC will make an initial determination whether the alleged perpetrator is a student or employee. If the alleged perpetrator is identified as one who is not a student or employee, then the EOC will refer the matter to the Office of the General Counsel for appropriate action. If the EOC determines that the alleged perpetrator is a student or employee, the EOC will review the complaint to determine whether the acts complained of, as stated by the complainant, constitute a violation of this policy, and if not, the complainant will be so informed. If the EOC determines the alleged acts may constitute a violation of this policy, investigation will proceed as set forth in Section (10) below, unless the matter is satisfactorily resolved as in the following paragraph (e).
- e. **Notifying the Respondent and Supervisor; Informally Resolving a Complaint; Withdrawing a Complaint:** The EOC will notify the respondent and his or her appropriate supervisor of the allegations contained in the complaint. In an effort to informally resolve the complaint, the EOC will elicit from the complainant, proposed actions the complainant believes are necessary to address or resolve the alleged harassment. The EOC will discuss these proposed actions with the respondent and with appropriate levels of management. The respective parties will also have the opportunity to propose other means of resolution. Thus, if the matter can be resolved informally, or if the complainant chooses to withdraw the complaint, the complainant will sign a statement outlining the informal resolution and releasing the University from taking any further action. If the matter is not resolved at this stage, the complaint will be investigated as set forth in Section (10) below.
10. **Investigation:** The following procedures will govern all investigations of complaints alleging violations of this policy:
- a. The EOC will thoroughly investigate complaints alleging violations of this policy with the assistance, as needed, of the following: the Office of Faculty Development and Advancement, the Office of Human Resources, and/or the respondent's supervisor(s), except in cases where the respondent is a student. If the respondent is a student, the EOC will forward a copy of the complaint and any associated materials to the Dean of Students Department, which will, if appropriate, adjudicate the matter under the Code of Student Conduct. The Dean of Students shall notify the EOC of the outcome.
- b. The investigation should include interviewing the complainant and witnesses suggested by the complainant who may have knowledge of the offending behavior. Employees and students shall fully cooperate in the investigation.

- c. The respondent will be given an opportunity to respond to the complaint verbally and in writing and may suggest additional witnesses.
 - d. The investigation should also include interviewing such other witnesses as are deemed appropriate under the circumstances.
 - e. The investigation should include a review of any files and records of previous sexual harassment complaints against the respondent and any other documents deemed relevant.
 - f. All witnesses who provide relevant information should submit a written, signed statement attesting to their knowledge of the subject circumstances.
 - g. Confidentiality of the investigation will be maintained to the extent allowed by law.
11. **Report of EOC:** The EOC will prepare a report setting forth its findings and a determination concerning violation of this policy. The report should be completed within 120 days following the filing of the complaint, where feasible, and will be submitted to the appropriate vice president of the respondent's unit or department.
 12. **Subsequent Action:** The vice president will make a determination upon review of the EOC's report, consultation with the Vice President for Faculty Development and Advancement or the Director of Human Resources, and consideration of any other relevant information, including aggravating or mitigating circumstances, whether disciplinary action is warranted under the circumstances. If the vice president determines that disciplinary action should be initiated, then, consistent with due process requirements, the respondent will be notified in accordance with applicable Florida Board of Education and University rules and policies and collective bargaining agreements, and appropriate disciplinary procedures as provided for therein will be followed. Regardless of whether formal disciplinary action is initiated, the University may take such informal corrective action as may be appropriate under the circumstances. The vice president will notify the EOC of the outcome. The EOC will notify the complainant of the results of the investigation and subsequent disciplinary or other corrective action taken, if any, to the extent allowed by law. The EOC will notify the respondent of the results of the investigation when no policy violation is found and no further action planned.
 13. **Distribution of Policy:** Copies of this policy are available to all current and future employees and students at The Florida State University in hard copy (policy brochures, student handbooks, etc.), electronic format (<http://www.auditservices.fsu.edu>, the *General and Graduate Bulletins*), and will be made available in alternative format upon request. Any person involved in the process under this policy needing accommodations for a disability should notify the EOC.
 14. **Applicability:** This policy supersedes any and all prior University policies regarding complaints of alleged acts of sexual harassment.
 15. **Effective Date:** The effective date of this policy is July 1, 1998 as amended December 31, 2002, and January 6, 2004.
 16. **Where to Go for Help:** Any member of the university community may report sexual harassment to The Office of Equal Opportunity and Compliance, 6200 University Center A, (850) 645-6519. Staff is also available in the following offices to assist victims of sexual harassment: A student victim may report to Dean of Students Department, 4322 University Center A, (850) 644-2428; a faculty victim may report to the Office of Faculty Development and Advancement, 211 Westcott Building, (850) 644-6876; an A&P, USPS or OPS victim may report to Human Resources, 6200 University Center A, (850) 645-6519.

Florida State University Statement for Students on the Unlawful Possession, Use, or Distribution of Illicit Drugs and Alcohol

The Florida State University Alcohol Policy

Introduction

The Florida State University affirms the guiding ethical principle of responsible freedom. Students, staff and faculty are expected to show respect for order, ethical conduct, and the rights of others, and to model in daily living a high sense of personal honor and integrity. Florida State University neither encourages nor condemns the legal consumption of alcoholic beverages. The university recognizes, however, that the majority of undergraduate students are below the legal drinking age and that there are serious health risks and behavior problems associated with the use of alcohol in the collegiate environ-

ment. Consequently, alcohol will be permitted at Florida State University or programs sponsored by Florida State University or its direct support organizations only in those settings which:

1. Comply with federal or state laws, local ordinances, University regulations, foreign country laws (in the case of study abroad programs conducted by Florida State University International Programs, Inc.), Student Conduct Code, and this policy;
2. Present minimal health and safety risks; and
3. In no way inhibit the full participation of those who choose not to drink alcohol.

Events and activities that encourage excessive drinking and/or lead to the endangerment of individuals will not be permitted. Any person or group in violation of federal or state laws, local ordinances, or of this policy will be reported to the proper federal, state, local or university authorities for appropriate action.

1. **Policy Pertaining to All Members, Groups, Events, and Organizations in the University Community and Non-University Members, Groups, Events, and Organizations.**
 - (a) No individual under the legal drinking age (minimum of 21 years of age permitted by the State of Florida or the minimum age prescribed by the laws of foreign countries, but in no case below the age of 18 years of age) may serve, sell, consume or possess alcohol on university properties, except to the extent allowed by law within licensed premises or designated areas of the university.
 - (b) Alcohol must be served by a licensed and insured third party vendor. No individual may serve or otherwise provide alcohol to persons under the legal drinking age.
 - (c) The Consumption of Alcohol: The consumption of alcohol on university properties will be restricted to the following areas:
 1. Florida State University Law School Rotunda;
 2. Licensed areas of the university (e.g., Center for Professional Development, Club Downunder, Crenshaw Lanes, Renegade Grill);
 3. Academic food service facilities;
 4. University Center areas include:
 - i. Skyboxes
 - ii. Miller Hall (C3300, UC)
 - iii. President's Box (Level 7, UC)
 - iv. Booster/Alumni Board Rooms (C5300, C5301 UC)
 - v. University Club (Building B, Floor 3, UC)
 - vi. Meeting Rooms (Building B, Floors 5 & 6, UC)
 5. Lounges in Beth Moor at Longmire Building;
 6. WFSU-TV and Radio Broadcast Center;
 7. Premises in and around President's house, Pearl Tyner Alumni Center, and surrounding grounds;
 8. University property not located on the main campus, which has been leased by the university to private entities or persons, referred to in this rule as "private premises," such as Heritage Grove;
 9. Private university living quarters, including Alumni Village, where those present are of legal drinking age (see the Guide to Residence Living, Community Expectations, for further restrictions that may apply in residence halls; or in the case of living quarters provided for study abroad programs, see policies promulgated by Florida State University International Programs Association, Inc.);
 10. Premises in Doak Campbell Stadium area used or licensed for use on football game days;
 11. At the following sites, when provided in conjunction with an artistic or municipal event:
 - i. The Fine Arts Gallery;
 - ii. The reception/hospitality room in the Opperman Music Hall;
 - iii. The Fine Arts Building; and the
 - iv. FSU Lab Theater.
 12. Werkmeister Reading Room (201 Dodd Hall);
 13. In common areas for special events approved by the University President or his/her designee. For faculty, the designee is the Vice President for Faculty Development and Advancement, for student

groups, the designee is the Vice President for Student Affairs, and for all other groups the designee is the Vice President for University Relations.

- (d) **The Sale of Alcohol:** The sale of alcohol on campus must be approved by the President or designee. Although the President or designee may approve the sale of alcohol on campus, only the Division of Alcoholic Beverages and Tobacco can issue the permit required to sell alcohol in the state of Florida.
- (e) **Promotional Guidelines:** The promotion of activities or events shall not advertise alcohol or sponsorship by alcohol marketers without prior written approval of the Vice President for University Relations. Events that seek advertising approval must meet the following requirements:
1. Alcohol shall not be used as an inducement to participate in a university event and may not be offered as a prize or gift in any form of contest, drawing or competition. Social events which encourage drinking, drinking contests, or drunkenness, and the advertisement of such events, are prohibited.
 2. Alcohol advertising on campus or in campus media, including that which promotes events as well as product advertising, shall not portray drinking as a solution to personal or academic problems of students or as an enhancement to social, sexual, or academic status.
 3. Advertising for any university event where alcoholic beverages are served shall mention the availability of non-alcoholic beverages as prominently as alcoholic beverages.
 4. Promotional materials, including advertising for any university event, shall not make reference to the amount of alcoholic beverages available. This includes references to kegs or open bars.
 5. Must adhere to University posting policy guidelines.
- (f) Florida State University Police shall be notified of all on campus events that are not regularly scheduled that plan to serve alcohol.
- (g) **Laws and Regulations:** All members of the campus community (students, faculty, staff, alumni, and guests) must adhere to all applicable federal or state laws, local ordinances, and University regulations related to the sale and use of alcohol. They include, but are not limited to the following:
1. It is unlawful for any person to aid or abet an underage person, as defined by Section 1 (a), in the purchase or attempt to obtain alcoholic beverages.
 2. It is unlawful for any underage person to falsify a driver's license or other identification document in order to obtain or attempt to obtain alcoholic beverages.
 3. It is unlawful for any person to permit use of his/her driver's license or any other identification document by an underage person to purchase or attempt to purchase alcoholic beverages.
 4. No person may bring any type of alcoholic beverage into a licensed facility or area, nor may any person take alcoholic beverages out of the licensed facility or area, except that a bottle of wine purchased, but not fully consumed, at the University Center Club or similar restaurant establishment on campus may be removed by the person after it has been recorked as allowed by law.
 5. Transportation of all alcoholic beverages on campus shall be in unopened and unobservable containers.
 6. Damage to or destruction of property, or injury to person(s), which is caused by or can be shown to be related to the consumption of alcohol will be subject to disciplinary action, as will any other violation of this rule.

II. Guidelines for University Sponsored Events.

Definition: Large public and formal events where the University acts in symbolic ways to honor, celebrate, and reward achievements central to its mission (e.g., graduation, convocation, dedications, awards, ceremonies). These events convey important values about what is central to the University. Florida State University is concerned with the image conveyed when alcohol service is included as part of these events.

All University Sponsored Events are subject to the guidelines outlined in Section I of the alcohol policy. In addition, the following restrictions apply;

- (a) Alcohol will not be served at any reception or other function, as defined above, sponsored by the University or taking place on the

University campus where attendance is essentially open to the public and is not controlled by such means as individual invitation, registration, reservation and/or a fee payment process.

- (b) At those functions where attendance will be predominately alumni and friends of the university, and controlled by individual invitation, registration, reservation, or a fee payment process, alcoholic beverages may be served with the following restrictions:
1. All persons will be required to show identification, including birth date, to ensure that they are a minimum of 21 years of age in the state of Florida;
 2. The right to refuse to serve anyone who seems to be in danger of over consumption will be reserved and used; and
 3. An ample supply and variety of food and non-alcoholic beverages will be available.
- (c) At university sponsored functions where attendance will be predominately students, no alcoholic beverages will be served, regardless of the degree of control exercised over attendance.

III. Guidelines for University Related Events.

Definition: Any organization or group, consisting primarily of Florida State University students, employees, faculty or alumni, and/or which utilizes the Florida State University name or its premises, in which alcohol is served, must adhere to the following guidelines. These guidelines apply to all student organizations, whether or not they have received formal recognition or not.

All University Related Events, on or off campus, are subject to the guidelines outlined in Section I of the alcohol policy. In addition, the following apply;

- (a) Sponsors are required to provide one or more alternative non-alcoholic beverage available in sufficient quantity throughout the event.
- (b) Non-alcoholic beverages must be available at the same place as the alcoholic beverages and featured as prominently as the alcoholic beverages.
- (c) If the alcoholic beverage is being sold, the alternative beverage should be available at a price equal to or less than the price of the alcohol being provided.
- (d) Wherever alcohol is present, food must also be in sufficient quantity throughout the event.
- (e) The cost of admission to an event may not include or cover the cost of alcoholic beverages.
- (f) No state appropriated, federal funds or A & S fees may be used to purchase or sell alcohol.
- (g) The burden of proof for showing legal age is placed upon the person desiring alcohol service. No service will be provided unless clear evidence of legal age is presented. Those of legal age and consuming alcohol will be identified by wrist bands, hand stamps, etc.
- (h) It is the responsibility of the serving establishment, at the time that an alcoholic beverage is requested, to check the picture ID. If, for any reason, proof of legal drinking age cannot be provided upon request, it is the responsibility of the server to deny the request.
- (i) At social functions where alcoholic beverages are served, direct access should be limited to a person(s) designated as the server(s) by a licensed insured vendor. Servers must not consume alcohol during the event.
- (j) The server shall refuse to serve anyone who seems to be in danger of over consumption will be reserved and used.

Any organization found not to be in compliance with the university alcohol policy at their event may be subject to university disciplinary action and may forfeit its right to any fee support from the university.

IV. Tailgate Events

Definition: Gatherings occurring in the designated parking areas surrounding the area of Doak Campbell Stadium prior to and after scheduled football games.

- (a) Florida State University does not support or condemn the consumption of alcohol by individuals 21 years of age or older at tailgate events.
- (b) Florida State University does not condone any act related to excessive consumption of alcohol that impairs, interferes, or endangers the safety or enjoyment of anyone attending these events, including the individual who chooses to consume alcohol.

- (c) Individuals who choose to consume alcohol are responsible for their behavior and should not operate a motor vehicle after they have consumed alcohol.

V. Administration and Enforcement of Policy:

- (a) The Vice President for Faculty Development and Advancement is the responsible university official for administration of the alcohol policy for all events involving primarily faculty. The Vice President for Student Affairs is the responsible administrator for students and student groups. The Vice President for University Relations is the responsible university official for administration of the alcohol policy for events managed by the direct support organizations and for those involving all other groups and individuals. Changes and revisions shall be coordinated by the Vice President for Student Affairs in consultation with other Vice Presidents and the General Counsel, subject to final approval of the President of the University.
- (b) Enforcement of the alcohol policy shall reside in the Office of Student Rights and Responsibilities for individual student and student organization cases, and the Office of Faculty Development and Advancement for faculty related violations. Enforcement of the alcohol policy for all other groups, including outside groups, organizations, and individuals shall reside in the Vice President for University Relations.
- (c) The University maintains the right to forward possible violations of federal or state laws, local ordinances, and University regulations, to the proper authorities through the Florida State University Police Department.

VI. Health Risks

Alcohol consumption may cause a number of changes in behavior which are related to dose, rate of intake, body size and percentage of body fluid, expectations, social environment, physical conditions (disease or, more commonly, hormonal cycles can be factors), enzyme differences, and concentration of alcohol in a drink. It may increase aggressiveness, lower inhibitions, cloud judgment, reduce resistance, and hamper the ability to make decisions.

Alcohol first affects the area of the brain responsible for higher functions, such as decision-making and social inhibitions, suppressing an individual's self-control. Alcohol in the blood can slow reaction time, reduce muscle coordination and impair eyesight, contributing to deficits in performance, judgment, memory, and motor skills. Even low doses can significantly impair the judgment and coordination required to drive a car safely. Florida State University reiterates that no one should ever drink alcohol and drive. The designated driver should never drink alcohol.

Moderate to high doses of alcohol may cause marked impairments in higher mental functions, altering a person's ability to learn and remember information. Very high doses cause respiratory depression and death. If combined with other depressants of the central nervous system, much lower doses of alcohol may produce the effects just described above.

VII. Educational Resources and Support

In support of responsible management of alcohol, the University provides numerous resources and support services available to students, faculty, and staff of Florida State University, including alcohol education, counseling, treatment, rehabilitation, re-entry, prevention, and intervention, as well as other educational programs and volunteer opportunities. Below are just a few of these resources and services.

- (a) Health Promotion at University Health Services [644-8871; Web site is <http://www.uhs.fsu.edu/hp/>].
- (b) Office of Residence Life [644-2860; Web site is <http://housing.fsu.edu/>].
- (c) FSU Police Department [644-1234; Web site is <http://www.police.fsu.edu/>].
- (d) Volunteer opportunities for students seeking to work toward greater alcohol responsibility are available through Healthy Noles, which is an organization directed by Health Promotion at University Health Services. The Healthy Noles advocate for wellness on campus and alcohol responsibility is a significant component. For more information, contact Health Promotion [644-8871; or access the application at <http://healthpromotion.fsu.edu/>].
- (e) The Learning Resources Center of the College of Nursing has books, slides and videotapes on alcohol and other substances which are available to instructors in the College of Nursing. All other staff or faculty would need approval from the Dean of the College of Nursing to access these resources [644-1291]. More information is available at <http://nursing.fsu.edu/>.

- (f) The Digital Media Center provides media resources, which include listings on alcohol topics, to all campus approved departments and organizations. There is no charge for this service when it is used for regularly scheduled classes [644-5924].
- (g) SMART (Students Making Alcohol and Other Drug Responsibility Theirs) Choices consists of two, two-hour class sessions and an interactive online program at University Health Services that presents the legal and personal consequences of substance abuse. Students who are sanctioned by the Office of Student Rights and Responsibilities [644-2428, Dean of Students Department] or University Housing [644-2860] for on or off-campus violations of the University's alcohol and drug policy must complete the course. Students may also enroll in the course free of charge if they would simply like to gain more knowledge about alcohol. Students may contact Health Promotion [644-8871] to sign up. The purpose of the course is to introduce the student to a process of self-examination that may lead to improved decision making and behavior change.
- (h) The University Counseling Center (UCC) provides a structured two-session Alcohol and Other Drug (AOD) Evaluation for students who are sanctioned by the University for violations of the University's alcohol and drug policy. In addition to mandated AOD sessions, AOD Evaluations are available on a voluntary basis to all FSU students. Following the AOD Evaluation sessions, a recommendation is made to the student regarding need for counseling treatment. Counseling treatment is provided to students on a voluntary basis only. Any fee-paying student currently enrolled at Florida State University is eligible for services at the UCC. Please contact the University Counseling Center for a current fee schedule [644-2003; Web site is <http://www.counseling.fsu.edu/>].
- (i) The Employee Assistance Program (EAP) at Florida State University was established to assist employees with behavioral, medical and substance abuse problems affecting employment. Employees can enter the program through a self-referral or supervisory referral. The EAP functions as a coordinator of counseling and other appropriate services available both within the university and the community [644-2288; Web site is <http://www.eap.fsu.edu/>].
- (j) Counseling services are also provided for students, staff, faculty, and the community by the Marriage and Family Therapy clinic, which fees are based on annual income [644-1588; Web site is <http://www.chs.fsu.edu/>].
- (k) The Human Services Center is a training clinic within the College of Education. Counselors are graduate students with counseling majors who offer service for students, staff, faculty, and the community. Services are free [644-3857; Web site is <http://www.epls.fsu.edu/hsc/>].
- (l) The Psychology Clinic is also a training clinic. Counselors are graduate students in clinic psychology programs. They provide one-on-one psychology services (no support groups) to students, staff, faculty, and the community. Fees are based on a sliding scale [644-3006; Web site is <http://www.psy.fsu.edu/community/clinic/>].
- (m) Helpline 211 is a telephone counseling and referral service for short term counseling, information and referrals mainly for social services in the Big Bend area [(877) 211-7005, (850) 224-6333, 211; Web site is <http://www.211bigbend.org/>].
- (n) AlcoholEdu offers personalized and confidential health information related to alcohol [Web site is <http://alcoholedu.com/>].

The Florida State University State and Local Penalties

Common Alcohol Offenses (Leon County)	Typical Penalty First Offense	Maximum Penalty First Offense
Possession or attempt to purchase alcohol by a person under 21 years of age.	Diversion program; \$180 fine; 10 hours community work program.	60 days jail; \$500 fine.
Using a false driver's license ID or allowing someone to use your driver's license for an ID card.	Diversion program; \$180 fine; 10 hours community work program.	60 days jail; \$500 fine.
Providing alcohol to a person under 21.	Diversion program; \$180 fine; 10 hours community work program.	60 days jail; \$500 fine.

Note: These are only for information. State sanctions are subject to change by the Florida Legislature.

The Florida State University Health Risks of Illicit Drugs

Illicit drugs all have some health-threatening qualities—some more than others. Examples include increased heart rate and lung damage from marijuana; central nervous system disorders from cocaine, heroin, and hallucinogens; and liver, lung and kidney damage from inhalants. HIV infection also is spread widely among intravenous drug users. Even infrequent use of illicit drugs can result in physical afflictions, such as hangovers, cardiovascular damage, digestive problems, tremors, impaired sexual response, and injuries due to lost coordination. Other possible effects include reduced alertness and impaired performance at school or work, interpersonal conflicts, and financial difficulties. Dependence and addiction are constant threats to users of illicit substances. Regular abuse of these substances generally exposes users to criminal elements, which may lead to involvement in further criminal activities.

The Florida State University Illicit Drug Penalties

The penalty for possession (second-degree misdemeanor) is 60 days jail and \$500 fine. Penalties for trafficking (first-degree felony) range up to 30 years imprisonment and fines of \$500,000.

Note: These are only for information. State sanctions are subject to change by the Florida Legislature.

The Florida State University Standards of Conduct

State of Florida statutes declare that it is unlawful for any person under 21 years of age to consume or possess alcoholic beverages. Consequently, no one under the legal drinking age may consume, distribute, or possess alcohol on University properties or as part of any University activity.

It is unlawful to sell, give, serve, or permit to be served alcoholic beverages to a person under 21 years of age. Furthermore, servers can be held civilly liable for damage caused by underage drinkers to whom they provided alcoholic beverages.

It is unlawful to be under the influence of, to use, possess, distribute, sell, offer, or agree to sell, or represent to sell, narcotics, hallucinogens, dangerous drugs, or controlled substances, except as where permitted by prescription or law.

Florida State University Use of Social Security Numbers

In accordance with *Florida Statute 119.071(5)*, students and employees should be aware that Florida State University collects and uses social security numbers for the purpose of performing certain University duties and responsibilities as follows:

- Certain aspects of employment related to federal tax reporting, generation and reporting of I-9 documents, direct deposit, insurance policies, retirement benefits, state and federal reporting requirements;
- Identification and verification of student records, including admission, registration, financial aid, and academic records, as well as verification of identity in connection with the provision of the University's services;
- State and federal reporting of student data as required by law;
- Release to contracted vendors for the purposes of state and federal reporting or provision of contracted services for the faculty, staff, and students of the University;
- Release to commercial entities engaged in the performance of a commercial activity provided the social security numbers will be used only in the performance of a commercial activity and provided the commercial entities make a written request for the social security numbers conforming to the requirements of *Section 119.071(5)(a)7b. (I)-(IV), Florida Statutes*.
- Release to the Florida Board of Governors as follows:
 - When necessary for the performance of the Board's constitutional duties and responsibilities, including but not limited to:
 - Collection of student and employee data from state universities. [Authorized by *Sections 483 and 484 of the Higher Education Act of 1965, Art. IX, s. 7, Fla. Const., Board Regulation 3.007, Fla. Stat. § 1001.706(5)(d), Fla. Stat. § 1008.31(3), and Fla. Stat. § 119.071(5)(a)6*]
 - In conjunction with tort claims and tort notices of claim against the Board of Governors [Required by *Fla. Stat. § 768.28(6), and Fla. Stat. § 119.071(5)(a)*]
 - When the disclosure of the social security number is expressly required by federal or state law or a court order [Authorized by *Fla. Stat. § 119.071(5)(a)6*]

- When the individual expressly consents in writing to the disclosure of his or her social security number [Authorized by *Fla. Stat. § 119.071(5)(a)6*]

The University does not use social security numbers for student identification; instead the University creates a unique identifier for each student called the EMPLID.

Notification of Students' Rights under FERPA

The **Family Educational Rights and Privacy Act (FERPA)** affords students certain rights with respect to their education records. These rights are:

1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access. Students should submit to the registrar, dean, or head of the academic department (or appropriate official) written requests that identify the record(s) they wish 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 is inaccurate or misleading. Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it 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 defined as a person employed by the University in an administrative, supervisory, academic, 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. Upon request, the University discloses education records without consent to officials of another school in which a student seeks or intends to enroll.
4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the 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, S.W.
Washington, DC 20202-4605

Students have the right to obtain a copy of Florida State University's student record policy. You can obtain a copy of the policy from the Office of the University Registrar, *A3900 University Center, Florida State University, Tallahassee, Florida 32306-2480*.

Note: Under Federal Statute, the University is authorized to and may release records to other institutions without notification to the student, when the student is applying for admission.

Release of Student Information

The disclosure or publication of student information is governed by the policies of Florida State University and the State of Education within the framework of state and federal laws, including the Family Educational Rights and Privacy Act of 1974.

The written consent of the student is required for the disclosure or publication of any information that is: (1) personally identifiable of the student and (2) a part of the educational record. Certain exceptions to that generality, both

in types of information that can be disclosed and in access to that information, are allowed within the regulations of the Family Educational Rights and Privacy Act, as described in the following paragraphs:

- A. Subject to statutory conditions and limitations, prior consent of the student is not required for disclosure of information in the educational record to (or for):
1. Officials of the University with a legitimate educational interest. A school official is defined as a person employed by the University in an administrative, supervisory, academic, 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/her professional responsibility;
 2. Certain government agencies;
 3. Accrediting organizations;
 4. Certain financial aid matters;
 5. Certain research circumstances;
 6. Health and safety emergencies;
 7. A court pursuant to order or subpoena, so long as the student is notified in advance of the University's compliance; and
 8. As otherwise provided by law.
- B. Subject to statutory conditions and limitations, prior consent of the student is not required for disclosure of certain types of information for:
1. Portions of the educational record for which the student has signed a waiver;
 2. Portions of the educational record that are exempted by law including records of law enforcement agencies of the University; employment records of the student within the University as long as the student's employment is predicated upon his or her status as a student; personal records of instructional, supervisory, or administrative personnel; and alumni records related to that student; and
 3. Records transmitted to another school or school system in which the student seeks or intends to enroll, since the University generally forwards these on request.

Note: More specific information regarding such exempted information can be obtained by contacting the Office of the University Registrar, A3900 University Center. For the complete text of the applicable statutes refer to Section 1006.52, Florida Statutes, 20 U.S.C. 1232g, and 34 C.F.R. §99.1, et seq. or write the U.S. Department of Education at 600 Independence Ave., S.W., Washington, D.C. 20202.

- C. **Prior consent of the student is not required** for disclosure of portions of the educational record defined by the institution as "Directory Information," which may be released via official media of the University:
1. Name, date, and place of birth;
 2. Local address;
 3. Permanent address;
 4. Telephone number (if listed);
 5. Classification;
 6. Major field of study;
 7. Participation in official University activities and sports;
 8. Weight and height of members of athletic teams;
 9. Dates of attendance at the University;
 10. Degrees, honors, and awards received;
 11. The most recently attended educational institution; and,
 12. Digitized photo (Florida State University Card).

Important: The information above, designated by the University as "Directory Information," may be released or published by the University without prior written consent of the student unless exception is made in writing by the student.

Request to Prevent Publication of Directory Information

Students may inform the University in writing of the student's desire to prevent publication of such "Directory Information" or release of such information except as required by law. Appropriate forms for such action are made available by the Office of the University Registrar.

Caution: Until the University can develop the necessary sophistication in our data systems, a student's request to prevent the release of publication of some of the items of "Directory Information" may result in preventing the publication of all items on that list, including graduation lists, honors, and award lists. The student can help avoid such errors with a gentle reminder to the Office of the University Registrar.

For complete information related to the policies outlined above or concerning the procedures regarding waivers and consent forms, or to challenge the accuracy of the educational record, please contact: *Office of the University Registrar, A3900 University Center, Florida State University, Tallahassee, FL 32306-2480.*

Policy for the Use of Photographs and Videos in University Publications

Florida State University randomly and routinely photographs and makes videos on the main campus, branch campuses, and the international and departmental programs for educational and promotional purposes. These photographs and videos appear in official University publications and materials, which include but are not specifically limited to, *General Bulletin* (undergraduate and graduate), *Registration Guide*, Office of Admissions brochures, international program materials, departmental and college brochures, University Web sites, and other University information publications. For further information contact Media Relations at (850) 644-4030.

Illegal Downloading of Copyrighted Songs and Movies

Downloading and distribution of copyrighted music, movie and other entertainment files from online distribution sites that offer these items **free of charge** is illegal, in direct violation of the federal Digital Millennium Copyright Act, the Florida State University Student Conduct Code, and the Florida State University Policy OP-H-6 "Use of University Information Technology Resources."

Illegal downloading and file sharing of copyrighted music, movies or other entertainment files is intellectual property/copyright infringement. Illegal downloading and file sharing activities maliciously expose the University's network, computing systems and personal computers to destructive computer malware (viruses, spyware, worms, trojan horses, rootkits, keystroke loggers, etc.), and denial of service attacks. Illegal downloading activity significantly increases the risk of exposure to personal identity theft and irreparable or costly damage to both university and personally owned computing devices.

The potential consequences of illegal downloading and file sharing are extremely serious. There are both civil and criminal penalties for illegal downloading and file sharing:

- In a civil suit, an infringer may be liable for a copyright owner's actual damages plus any profits made from the infringement. Alternatively, the copyright owner may avoid proving actual damage by electing a statutory damage recovery of up to \$30,000 or, where the court determines that the infringement occurred willfully, up to \$150,000. The actual amount will be based upon what the court in its discretion considers just. See 17 U.S.C. § 504.
- Penalties to be applied in cases of criminal copyright infringement [i.e., violations of 17 U.S.C. § 506(a)], are set forth at 18 U.S.C. § 2319. Congress has increased these penalties substantially in recent years, and has broadened the scope of behaviors to which they can apply. Statutory penalties are found at 18 U.S.C. § 2319. A defendant, convicted for the first time of violating 17 U.S.C. § 506(a) by the unauthorized reproduction or distribution, during any 180-day period, of at least 10 copies or phonorecords, or 1 or more copyrighted works, with a retail value of more than \$2,500 can be imprisoned for up to 5 years and fined up to \$250,000, or both. 18 U.S.C. §§ 2319(b), 3571(b)(3).
- Defendants who have previously been convicted of criminal copyright infringement under 18 U.S.C. § 2319(b)(1) may be sentenced to a maximum of 10 years imprisonment, a \$250,000 fine, or both. Finally, a defendant is guilty of a misdemeanor violation if he violated rights other than those of reproduction or distribution, or has reproduced or distributed less than the requisite number of copies, or if the retail value of the copies reproduced or distributed did not meet the statutory minimum, or if other elements of 17 U.S.C. § 506(a) are not satisfied.

Misdemeanants can be sentenced a maximum of one year and can be fined a maximum of \$100,000. See 18 U.S.C. §§ 2319(b)(3), 3571(b)(5).

Law firms representing the entertainment industry aggressively investigate instances of music and movie “pirating”, and upon identifying the offenders, are increasingly invoking the applicable laws to reap financial settlements and awards totaling thousands of dollars.

The University is not legally empowered to protect, represent, advise or otherwise assist students who become subject to legal proceedings because of copyright infringement. Students who are sued, offered an out-of-court settlement, or cited for criminal copyright infringement must obtain their own legal representation.

In addition to civil and criminal penalties, violators will be subject to the University’s disciplinary proceedings:

- **Student Conduct Code** (<http://srr.fsu.edu/Student-Conduct-Code>): A student found to be in violation of provision (5)(c)1 is subject to the sanctions defined in Section (9). Examples of sanctions that may be imposed for violations of the Student Conduct Code include reprimand, service hours, probation, suspension, and dismissal.
- **Florida State University Policy OP-H-6 “Use of University Information Technology Resources”** (<http://policies.vpfa.fsu.edu/bmanual/itpolicy.html>): A student found to be in violation of provision C.1.a (11) may lose University computer privileges as defined in paragraph F.2.

For more information, please visit **Campus Downloading Frequently Asked Questions** at <http://www.campusdownloading.com/faq.htm>.

Notification to All Applicants for Admission and Students Attending Florida State University

This *General Bulletin* is not a contract, either expressed or implied, between the University and the student, but represents a flexible program of the current curriculum, educational plans, offerings and requirements that may be altered from time to time to carry out the administrative, academic, and procedural purposes and objectives of the University. The University specifically reserves the right to change, delete or add to any provision, offering, academic curriculum, program, or requirement at any time within the student’s period of study at the University. The University further reserves the right to withdraw a student from the University for cause at any time. Students are on notice that admission to the University or registration for a given semester does not guarantee the availability of a course at any specific time. Likewise, admission to the University or registration for a given program of study within the University, or a department or college of the University, is not a guarantee of a degree or of certification in a program.

President’s Statement on Equal Opportunity and Non-Discrimination

The Florida State University (University) is an equal opportunity employer and educational provider committed to a policy of non-discrimination for any member of the University’s community on the basis of race, creed, color, sex, religion, national origin, age, disability, veterans’ or marital status, sexual orientation, gender identity, gender expression, or any other protected group status. This policy applies to faculty, staff, students, visitors, applicants, and contractors in a manner consistent with applicable federal and state laws, regulations, ordinances, orders and rules, and University policies, procedures, and processes.

In pursuing its mission of excellence as a comprehensive, graduate-research university with a liberal arts base, the University strives to create and maintain a harmonious, high performance work and educational environment.

It is my expectation that all members of our community are provided equitable opportunities to succeed and enrich the strength, skill, and character of the University. It is also expected that all members of our community will help create a work and educational environment that promotes fairness, respect, and trust, free from discrimination or harassment. Behavior that may be considered offensive, demeaning, or degrading to persons or groups will not be tolerated.

The University will continue to reinforce its commitment of non-discrimination to all groups protected by state and federal law. We will continue to monitor our methods of recruitment, retention, and advancement of qualified faculty, staff, and students and annually examine our affirmative action plan, as prescribed by federal guidelines, to measure how our campus is reflective of the community we serve.

The University further recognizes that forms of discriminatory or harassing behavior may create an unwelcomed or hostile environment and lead to an

uncomfortable situation. As a result, the University has established internal complaint procedures available to all who believe their experience on any of our campuses has been less than appropriate.

To facilitate or otherwise strive to ensure university-wide compliance, I have appointed Renisha Gibbs, Director, Human Resources/Office of Equal Opportunity and Compliance and University Title IX Coordinator, to develop, administer, and coordinate university-wide initiatives and complaint investigations. This will be accomplished through collaboration with the Dean of Students Department, the Athletics Department, the Office of Faculty Development and Advancement, and all University divisions, colleges, and departments.

Questions regarding the above may be directed to your supervisor or Renisha Gibbs at (850) 644-8082 or rgibbs@admin.fsu.edu.

Individuals with Disabilities

The Florida State University adheres to *Section 504 of the Rehabilitation Act of 1973* and the *Americans with Disabilities Act of 1990 (ADA)*, as amended by the *Americans with Disabilities Amendments Act of 2008*, in prohibiting discrimination against any qualified individual with a disability. Any student with a disability may voluntarily self-report the nature of the disability and identify needed accommodations to the Student Disability Resource Center, 108 Student Services Building. To request reasonable accommodations for employment or visitors, please contact The Florida State University Human Resources/Office of Equal Opportunity and Compliance, located at *University Center, Bldg. A, Suite 6200*, or call (850) 645-6519.

HIV/AIDS Policy

Students, employees, and applicants for admission or employment at Florida State University who have or who may become infected with HIV will not be excluded from enrollment or employment or restricted in their normal responsibilities and access to University services or facilities due to their HIV/AIDS status, unless individual medically based judgments establish that exclusion or restriction is necessary for the welfare of the individual or of other members of the University community. That is, the University will not discriminate against otherwise qualified HIV-infected applicants, students, or employees.

The Florida State University Committee on HIV/AIDS is responsible for monitoring developments with regard to HIV/AIDS, acting upon and administering the policies of the Florida Department of Education Division of Colleges and Universities and the University concerning HIV/AIDS and coordinating the University’s efforts in educating the University community on the nature and prevention of the disease. In addition, the Florida State University Committee on HIV/AIDS meets as needed to consider special problems related to HIV/AIDS that require University action.

The University will be guided in its implementation of this policy by current authoritative medical information, applicable federal and state law, Florida Department of Education Division of Colleges and Universities’ HIV/AIDS Policy, and the guidelines suggested by the Centers for Disease Control, the Public Health Service, the American College Health Association, and the Florida Department of Health.

Florida State University has designated HIV/AIDS counselors who are available to the University community. Counselors are located at University Health Services (850) 644-8869; University Student Counseling, (850) 644-2003; or University Health Services Health Promotion Department (850) 644-8871. Confidential HIV testing is available for students and staff at University Health Services. Any interested individuals should call (850) 644-8871 to schedule an appointment.

Sexual Harassment Policy

4. **Policy Statement:** Sexual harassment is a form of discrimination based on a person’s gender. Sexual harassment is contrary to the University’s values and moral standards, which recognize the dignity and worth of each person, as well as a violation of federal and state laws and University rules and policies. Sexual harassment cannot and will not be tolerated by The Florida State University, whether by faculty, students, or staff or by others while on property owned by or under the control of the University.
5. **Office of Equal Opportunity and Compliance:** The Office of Equal Opportunity and Compliance (EOC) is charged with receiving and investigating sexual harassment complaints as set forth in this policy and shall maintain the records pertaining thereto.
6. **Definition:** Sexual harassment is defined as unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature directed at an employee or student by another when:

- a. Submission to such conduct is made either explicitly or implicitly a term or condition of employment, academic status, receipt of University services, participation in University activities and programs, or affects the measure of a student's academic performance; or
 - b. Submission to or rejection of such conduct is used as the basis for a decision affecting employment, academic status, receipt of services, participation in University activities and programs, or the measure of a student's academic performance; or
 - c. Such conduct has the purpose or effect of unreasonably interfering with employment opportunities, work or academic performance or creating an intimidating, hostile, or offensive work or educational environment.
7. **Examples of Sexual Harassment:** Incidents of sexual harassment may involve persons of different or the same gender. They may involve persons having equal or unequal power, authority or influence. Though romantic and sexual relationships between persons of unequal power do not necessarily constitute sexual harassment, there is an inherent conflict of interest between making sexual overtures and exercising supervisory, educational, or other institutional authority. Decisions affecting an employee's job responsibilities, promotion, pay, benefits, or other terms or conditions of employment, or a student's grades, academic progress, evaluation, student status, recommendations, references, referrals, and opportunities for further study, employment or career advancement, must be made solely on the basis of merit.
- Examples of sexual harassment include, but are not limited to, the following, when they occur within the circumstances described in Section (3) above:
- a. Use of gender-based verbal or written language, including electronic communications offensive or degrading to a person of that gender, whether or not the content is sexual;
 - b. Inappropriate display of gender-based pictorial images offensive or degrading to a person of that gender, including but not limited to sexual posters, photographs, cartoons, drawings, or other displays of sexually suggestive objects or pictures;

RESEARCH FACILITIES AND SPECIAL PROGRAMS

Research and Research Facilities

Since its designation as a university in 1947, Florida State University has built a reputation as a strong center for research and creativity in the sciences, the humanities, and in the arts. During fiscal year 2010, Florida State University's faculty generated a record \$215 million in funding to supplement state funds used for research. These external funds, derived through contracts and grants from various private foundations, industries, and government agencies, are used to provide stipends for graduate students, to improve research facilities, and to support the research itself.

Many members of Florida State University's faculty are renowned scholars in their fields. In the natural sciences, Florida State University is perhaps best known for its basic research programs in physics, chemistry and biochemistry, biology, psychology, meteorology, and oceanography. Its programs in materials science, high-field magnet research, superconductivity, geology, mathematics, computer science, and statistics also have strong research components, both basic and applied. Since 1982, Florida State has operated a College of Engineering as a joint program with Florida A&M University, an enterprise combining strengths in mechanical, electrical and computer, civil, environmental, chemical and biomedical, and industrial and manufacturing engineering. The Florida State University College of Medicine, founded by statute in 2000, has major research components in the biomedical and clinical sciences, family medicine and rural health, geriatrics, and medical humanities and social sciences.

Special Programs

The **National High Magnetic Field Laboratory (NHMFL)**, which opened in 1994, is the only user-facility of its kind in the Western Hemisphere. The laboratory develops and provides a variety of research magnets at the highest fields available in the world. The laboratory plays a major role in the international race to enhance scientific disciplines as diverse as biology, chemistry, engineering, geochemistry, materials science, medicine, and physics.

This unique facility supports an extensive in-house research program that advances its scientific and technical capabilities. The in-house research program is built around leading scientists and engineers who concentrate on the study of strongly correlated electron systems, molecular conductors, magnetic materials, magnetic resonance, cryogenics, and new approaches to measuring materials properties in high magnetic fields. Research at the laboratory is opening new frontiers of science at high magnetic fields, which have enormous potential for commercial and industrial applications. The laboratory also has one of the world's foremost magnet and science technology groups, which designs and builds this new generation of magnets. In 1999, the lab brought online a new 45-Tesla hybrid magnet, the most powerful steady-state magnet of its kind in the world. In 2004, the laboratory commissioned the world's first ultra-wide bore 900 MHz NMR magnet for chemical and biomedical research. Another record fell in 2005, when lab engineers completed the 35-T—the world's highest field “resistive” magnet. In 2011, a unique 25-Tesla “split magnet” was completed and put into operation. The National High Magnetic Field Laboratory has many exciting research opportunities for graduate students who wish to pursue research at the edge of parameter space in any area of science utilizing these world-class resources and instrumentations.

Florida State University has made major investments in faculty and infrastructure in the area of materials science and engineering. The **High Performance Materials Institute (HPMI)**, located in the new Materials Research Building, specializes in the synthesis and characterization of composite materials containing carbon nanotubes. These light weight but very strong materials have broad applications in transportation, armor, and energy. Associated with the NHMFL is the **Applied Superconductivity Center (ASC)**. Researchers at the ASC study high temperature superconducting materials which can be used in magnet construction, motors, and energy storage or transmission devices. The above research groups, in conjunction with other faculty in engineering and the NHMFL, participate in the **Advanced Materials** faculty cluster. A second faculty cluster, **Integrative NanoScience**, is a collaborative program in materials science involving members of the University's biology, chemistry and biochemistry, engineering, and physics departments. One current focus of this group is the integration of hard and soft materials for future spintronics and biological applications. Other materials efforts of note take place in the departments of Chemistry and Biochemistry, Physics, and Scientific Computing, as well as in units of the College of Engineering.

The **Center for Advanced Power Systems** is a multidisciplinary research center organized to perform basic and applied research to advance the field of power systems technology. The research focuses on electric power systems modeling and simulation, power electronics and machines, control systems, thermal management, high temperature superconductor characterization, and electrical insulation research. Development of cutting-edge technologies and a technology-savvy workforce in a broad range of aerospace and propulsion disciplines is the focus of the **Florida Center for Advanced Aero-Propulsion (FCAAP)**. FCAAP is a Center of Excellence led by Florida State University with the University of Central Florida, the University of Florida, and Embry-Riddle Aeronautical University as partners. Florida State University's **Institute for Energy Systems, Economics and Sustainability** is a member of the Florida Energy Systems Consortium. This institute has a broad purview including science and technology, public policy, law, and economics.

The **Program in Nuclear Research** is highly ranked nationally, with emphasis on nuclear structure physics, nuclear astrophysics, radioactive beam studies, studies of nuclear reaction mechanisms using polarized Li beams, accelerator-based atomic physics, electron scattering, hadronic nuclear physics, and relativistic heavy ion reactions. A large part of the program in experimental nuclear physics uses Florida State University's Superconducting Linear Accelerator Facility, which ran its first experiment in 1987. The facility consists of a Super-FN tandem Van de Graaff electrostatic accelerator that injects into a heavy-ion superconducting linear accelerator. The facility utilizes state of the art instrumentation, provides forefront nuclear research capability, and is unique in the southeast.

Florida State University's Coastal and Marine Laboratory is located forty-five miles south of Tallahassee on Apalachee Bay. This research facility gives scientists from all over the nation immediate access to the pollution-free marine environment of the north Florida coast. Facilities include a fleet of research vessels, classrooms, saltwater-equipped laboratories, guest housing, and a dive locker. Faculty at the coastal and marine laboratory are playing a major role in research responding to the Deepwater Horizon oil spill. The **Academic Diving Program**, which is part of the laboratory, provides support for and oversight of all scientific and educational compressed-gas diving conducted under the auspices of Florida State University. The Academic Diving Program also teaches or co-teaches courses in scientific diving methods.

The **Center for Ocean-Atmospheric Prediction Studies (COAPS)**, located at the Don Fuqua Research Complex, trains oceanographers, meteorologists, and scientists in related disciplines. Research at COAPS focuses on ocean and atmospheric dynamics and their applications to interdisciplinary studies. In particular, COAPS scientists specialize in the modeling of ocean and atmospheric dynamics, climate prediction on scales of months to decades, air-sea interaction and modeling, and predictions of socio-economic consequences of ocean-atmospheric variations. COAPS hosts the university's component of the **Florida Climate Institute**, a joint venture with the University of Florida. Studies of storm surges, their impacts on the shoreline, the history of coastal storms, shore characteristics, and beach erosion are conducted by the **Beaches and Shores Research Center** for the urgent preservation of Florida's beaches. The center contracts with the Florida Department of Environmental Protection and other agencies to furnish scientific underpinnings for the Florida Coastal Construction Control Line, and to foster good decision-making regarding coastal development, environmental protection, and prudent building practices.

Structural Biology, a collaboration of faculty from the Departments of Biological Science, Chemistry and Biochemistry, Mathematics, Medical Science, and Physics, is the research emphasis of the **Institute of Molecular Biophysics**. Research conducted by Structural Biology faculty focuses on the three-dimensional structure of biologically important macromolecules and the structural correlates of their functional properties. A variety of state-of-the-art research tools are available in the Institute and allied units including X-ray crystallography, cryoelectron microscopy, mass spectrometry, computer-based molecular modeling, electron paramagnetic resonance, fluorescence, laser and NMR spectroscopies. Graduate students working under Structural Biology faculty can enroll in either the molecular biophysics (MOB) PhD program or in the graduate programs of biological science, biochemistry or physics.

Essential to geologic investigation of Antarctica and global climate change are the analysis and preservation of marine sediments collected on Antarctic research expeditions. The largest collection of southern ocean sediment cores is located at the **Antarctic Marine Geology Research Facility** located at the

University. This 40-year old, National Science Foundation-funded facility holds more than ten miles of Antarctic marine sediment cores and is an invaluable resource for scientists both on campus and throughout the world.

All aspects of child behavior and learning are researched in Florida State University's **Child Development Programs**. The programs provide research sites and laboratory settings in which faculty and graduate students may observe and work with young children.

Research needs in Florida in the area of human services are accommodated by the **Institute for Social Work Research**. This institute is affiliated with the College of Social Work, but an open-door interdisciplinary approach is encouraged for most of the research funded by external sources.

Computing and information technology are widely used at Florida State University for both research and instruction. **The University's Information Technology Services (ITS)** manages a high speed network that connects computers throughout the University to each other and to the world. ITS also provides wireless connectivity to the network from most locations on the FSU campus. In addition to the global Internet, Florida State University participates in the Florida LambdaRail and the National LambdaRail project, a special high capacity state and national network for academic and research purposes. The University maintains a shared **High Performance Computing (HPC)** system. The current setup of 526 compute nodes at FSU HPC system was acquired during three different upgrade cycles. The theoretical peak performance of the complete system is 28.7 TeraFlops.

A number of special Florida State University programs have won national or international distinction in research. These include the following:

The **Learning Systems Institute (LSI)** is a diverse, multidisciplinary program designed to bridge the gap between research and practice in education and training. Researchers in LSI combine strengths in educational leadership, instructional design, human performance, and grants management to design, and build and implement effective learning strategies for a wide range of clients around the world. Founded in the 1960s to help the South Korean government in its efforts to overhaul the country's school system through technology, LSI has grown to become an international resource for learning. In the 1990s, the institute's pioneering work in distance learning led to it becoming the home for the university's online educational outreach, based in the institute's Academic and Professional Program Services. Housed within LSI is the Florida **Center for Research in Science, Technology, Engineering and Mathematics**, a unit which focuses in STEM education throughout the nation with a focus on special problems in Florida.

The **Florida Center for Reading Research**, also part of the Learning Systems Institute, was established by Gov. Jeb Bush in 2002 as the central source of research and training for Florida's initiatives in improving the reading and literacy levels of K-12 students throughout the state. The center focuses campus-based research strengths in psychology and education on science-based approaches to reading instruction and assessment that is disseminated through the Florida Department of Education.

Florida State University's **Autism Institute**, housed in the College of Medicine, coordinates and promotes research, education, and service related to the autism spectrum disorders. The institute promotes Interdisciplinary research that advances scientific knowledge and bridges the gap between this knowledge and clinical/educational practice. The **Center for Innovative Collaboration in Medicine and Law** is a joint effort of the College of Medicine and the College of Law. The center explores educational, research, and advocacy avenues for collaboration and cooperation between the medical and legal professions on behalf of the well-being of consumers.

The **John and Mable Ringling Museum of Art** located in Sarasota, Florida, is the designated State Museum of Florida. In 2000, the Legislature shifted administration of the museum to Florida State University in recognition, in part, of the growing trend to maximize the educational value and potential of museums and, in part, to take advantage of the University's commitment to the arts. That potential is especially evident through this association with the Sarasota community due to mutual strengths in the areas of the fine and performing arts and corollary interests, such as the American circus. The Ringling Museum, the home of an internationally renowned art collection, occupies sixty acres of beautiful bay front property including the museum of art, the historic Asolo Theatre (restored in 2006), Ca'd'Zan, the Ringling Mansion, and the Circus Museum, now featuring the Tibbals Learning Center, dedicated to preserving the world's largest and most complete collection of circus art and history. Together with the Florida State University Performing Arts Center, which lies adjacent to the art museum, it holds center stage for Florida State University's Ringling Center for the Cultural Arts, which was created by the Florida Legislature in the year 2000.

Florida State University's **Institute of Science and Public Affairs** is a multifaceted institute of public service and applied research that helps government and private agencies solve problems ranging from hazardous waste disposal to conflict resolution.

Research centers within the institute are designed to respond to public and private sector needs. Specialists in the fields of biology, chemistry, geography, education, planning, public administration, physics, economics, law, and other areas carry out the University's public service responsibility through programs in education, training, and applied research. The overriding objective is to successfully apply resources, human and technical, to policy problems within the state of Florida.

The institute provides university students the opportunity to work on specific projects in institute centers under the supervision of experienced faculty and staff. These projects provide training for students in problem-solving environments. Government agencies and private sector organizations benefit from this dynamic source of trained and skilled personnel.

Since 1951, students and faculty of Florida State University have benefited from its membership in **Oak Ridge Associated Universities (ORAU)**. ORAU is a consortium of more than one hundred PhD granting universities and a management and operating 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, the DOE facility that ORAU manages, undergraduates, graduates, postgraduates, and faculty enjoy access to a multitude of opportunities for study and research. Students can participate in programs covering a wide variety of disciplines, including business, earth sciences, epidemiology, engineering, physics, 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 especially designed to increase the numbers of underrepresented minority students pursuing degrees in science- and engineering-related disciplines.

In addition to membership in ORAU, Florida State University is one of the eight core university partners with **Oak Ridge National Laboratory (ORNL)**. The other partner universities include Duke University, Georgia Tech, North Carolina State University, University of Tennessee, University of Virginia, Vanderbilt University, and Virginia Tech. Partnership with ORNL facilitates research collaborations and affords access to unique capabilities in neutron scattering, high performance computing, and materials science.

INTERNATIONAL EDUCATION

International Commitment

The Florida State University recognizes that a great university builds and extends its service, its potential for research, and its scholarly standing, and enhances its contribution to the education of students and citizens of the state by providing an international dimension to its educational programs. This is true in the professions, the sciences, the arts, and the humanities.

The University recognizes that in an interdependent world, the welfare of the state and the well-being of its citizens are linked to the welfare of all peoples. Thus, it is vital that the teaching, research, and service of Florida State University support the economic and social development of the state, the nation, and other countries; protect the world environment; lead individuals and groups to better understanding of themselves and others; and contribute toward international understanding, world peace, and community self-awareness.

The University, in serving the community, recognizes that its major responsibility is to educate students in a manner that provides them with the understanding, skills, and knowledge that will allow them to be creative and useful citizens not only of the state, but of the world. In this process of education, students from other countries who study at our campus and Florida State University students who have studied overseas play an important role.

To accomplish these goals, Florida State University encourages and seeks students from abroad for its undergraduate and graduate programs, and professional colleges and schools in such numbers, and with such geographic origins, as to have an impact on the achievement of the University's educational goals. It also seeks to provide opportunities for study abroad for its students and to afford them guidance and assistance in integrating these experiences with regular university study. Finally, the University encourages the development of an international dimension in the teaching, research, and service through the exchange of persons, ideas, and materials with other countries.

Florida State University seeks to accomplish these objectives through evaluation of existing and proposed international programs and services and by both short- and long-range planning for continued improvement and innovation to further the goals of international education in the University. Consistent with these goals, the University resolves to make available its facilities and resources to offer diversified international educational programs of quality and usefulness for all its students. The financial support needed for the accomplishment of these goals will be provided by University resources and is actively sought from state, federal, and foreign governments, as well as from international organizations, foundations, private organizations, and individual donors.

Center for Global Engagement

Director: Cynthia Green, Ed.D.; **Associate Director:** Kristen Hagen; **Assistant Directors:** Joy M. Ira, Leigh Ann Osborne

The Mission of the Center for Global Engagement (CGE) is to facilitate international diversity and foster global understanding and awareness within the FSU community. The CGE is committed to enhancing FSU's internationalization initiatives by providing services to international students and scholars/faculty relating to their non-immigrant visa status. The CGE also works with academic departments to: bring in funded international students through foreign government or third-party sponsors; develop special programs through agreements with partner institutions abroad to attract talented graduate students to the university; and, facilitate international student exchanges with other universities. One of these unique exchange programs is Beyond Borders which offers an alternative to traditional academic study abroad programs and provides students with short-term, rich cultural learning experiences through immersion in the target cultures.

Additionally, the CGE also provides training, workshops, and classes in intercultural communication that are aimed at facilitating the growth of students into global citizens. It provides experiential, socio-cultural, and service opportunities to tie theory with practice. Students also have the option of becoming part of the Global Pathways Cognate Program that enables students to process their intercultural experiences into skills and competencies needed to become a global ready graduate of the University.

The Center for Global Engagement is located at the Global and Multicultural Engagement building (The Globe) on 110 S. Woodward Street, Tallahassee, FL 32306-4216. For more information, visit <http://cge.fsu.edu/>, call (850) 644-1702, or e-mail cge@admin.fsu.edu.

The Frederick L. Jenks Center for Intensive English Studies

Program Director: Patrick Kennell

The Frederick L. Jenks Center for Intensive English Studies (CIES) provides intensive instruction in the English language to non-English speakers. Its primary target audience is international scholars who are preparing to pursue degree work in American colleges and universities.

In addition, CIES evaluates the English speaking proficiency of FSU's international Teaching Assistants (TAs) through its administration and scoring of the SPEAK test. Along with this assessment, the Center provides credit-bearing classes for those prospective international TAs who need further development of their speaking proficiency in English.

The center also provides English-as-a-second-language services for the spouses of regular students at Florida State University, as well as for some already admitted international students who are experiencing difficulty in mastering the English language. CIES has an average of fifty to sixty students per session, representing approximately twenty different countries. Through its well-developed Conversation Partner program, CIES also serves as an integral part of FSU's Global Pathways Certificate in providing many valuable and interesting opportunities for FSU students to meet, interact, and develop friendships with students from around the world. CIES truly is the place at Florida State "where the world comes to learn English". For further information, please call us at (850) 644-4797 or visit our Web site at <http://cies.fsu.edu>.

International Programs

Director: James E. Pitts; **Associate Director:** Michele E. Ceci

The Florida State University offers a wide variety of opportunities for students to study overseas. Students learn not only from their exposure to the cultural resources of the host countries but also through firsthand observations and participation in the political, economic, and social changes taking place outside the United States.

The University has operated international study centers in Panama City, Republic of Panama since 1957; in Florence, Italy since 1966; in London, England since 1971; and in Spain since 1997 (originating in Torremolinos and moving to its permanent home in Valencia in 2000). At each of these locations, courses are offered during the Fall, Spring, and Summer semesters. In addition to FSU students, the centers are open to students from other U.S. institutions and throughout the world.

Each of these study centers offers a broad curriculum, which includes courses that ideally lend themselves to their international location. In Florence, the courses focus on the areas of art history, classics, writing, English literature, history, humanities, Italian language, and politics. The London center offers courses in the areas of art history, education, English literature and writing, history, music, politics, social sciences, and theatre. In addition, the London Study Center serves as a base of operations for a number of curriculum-focused programs. Students may pursue specific topics such as British history, English literature, communications, international affairs, choral and instrumental music education, global sport management, multi-media, theatre, textiles, apparel, and merchandising. In Valencia, courses are offered in Spanish language, literature, and civilization as well as art, business, English literature, humanities, and music, mathematics, and science. In the Republic of Panama, the FSU-Panama campus offers courses in a variety of liberal arts disciplines including mathematics and the sciences. FSU-Panama also functions as a 2- or 4-year degree institution serving a large population of native Panamanians. Each study center offers an extensive internship program within a variety of disciplines.

In addition to the four Study Centers, International Programs offers programs in many other locations with sites varying from year to year. Programs are currently planned in locations including Argentina, Bahamas, Brazil, China, Costa Rica, Croatia, Czech Republic, Ecuador, France, Israel, Peru, Russia, Switzerland, and Turkey. These locations host a variety of study abroad faculty-led opportunities which are either broad curriculum offerings or programs focusing on a particular area or major. Internship opportunities are available in Australia, China, and Peru, as well as at the four study centers. Additionally, the First Year Abroad program, created especially for high-achieving, global-thinking students, allows students to complete the first twelve months of their Florida State career studying abroad with International Programs. Students can choose to spend their first year at any of the four study

centers. These students can opt to change their location for the Summer term and spend it at any other study center, though visa restrictions apply for some locations. International Programs is constantly adding to and updating the program offerings and locations. For the latest information, visit the Web site at <http://www.international.fsu.edu> or contact us at: *International Programs, A5500 University Center Tallahassee, FL 32306-2420; (850) 644-3272 or (800) 374-8581; intprog1@admin.fsu.edu.*

Florida–Costa Rica Institute

Co-Director: Marianella Jost

Florida State University and Valencia Community College co-administer The Florida–Costa Rica Linkage Institute on behalf of the state’s higher education systems.

The Florida–Costa Rica Linkage Institute (FLORICA) is one of the three original linkage institutes established by the Florida Legislature in 1986. The International Linkage Institute Program has expanded since that time to include a total of eleven institutes throughout the state. The intent of the Florida Legislature is for the Florida–Costa Rica Linkage Institute to offer opportunities at both the university and community-college levels for education and training; state development; curriculum development; collaborative research; technical assistance; cultural, faculty, and student exchange; intensive Spanish instruction; library materials exchange; computer linkage; and joint commercial ventures. These activities are to be undertaken in conjunction with Costa Rica’s four public universities, its Ministry of Education, and the State of Florida’s eleven state universities and twenty-eight community colleges.

Florida–France Institute

Co-Director: Kyle Rausch

The University of South Florida, Florida State University, and Miami-Dade Community College co-administer the Florida–France Linkage Institute on behalf of the state’s higher education system.

The Florida–France Institute was established in 1989 and is one of eleven Florida bi-national linkage institutes created by the Florida Legislature to promote business, educational, cultural, and scientific exchange among Florida and other nations and regions of the world. France is a major trading partner with Florida and has growing business and investment interests in the state. Similarly, Florida seeks new opportunities for business in France, especially with its sister region Languedoc-Roussillon and the French Caribbean.

The intent of the Florida–France Institute is to serve a multitude of interest groups in Florida and France by providing opportunities for education, training, and activities related to trade and business promotion, cooperative research, and mutual technical assistance, as well as educational and cultural exchange. Its purpose is to link the resources of the state of Florida’s eleven universities and twenty-eight community colleges with those of state governments and business to forge a network of partnerships with French educational, governmental, and private-sector institutions.

Law Program at Oxford University

Florida State University conducts an international law program in the prestigious academic atmosphere of Oxford University. The program utilizes its unique setting to enhance the study of international and comparative law and the history of common law. ABA-approved law courses are taught by a combination of Florida State University College of Law faculty and approved adjunct professors from Oxford University. The program is available to students in good standing at an ABA-approved law school who have completed at least one year of study. Visit our Web site at http://www.law.fsu.edu/academic_programs/international_law/oxford/index.html.

ACADEMIC DEGREE AND CERTIFICATE PROGRAMS

Legend:

B —Bachelor’s Degree	M —Master’s Degree	A —Advanced Master’s	S —Specialist	D —Doctoral Degree	JD —Juris Doctor	MD —Doctor of Medicine
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Florida State University offers degree programs through the following colleges, schools, or divisions. Consult the college for currently active programs.

College of Applied Studies:

<http://appliedstudies.pc.fsu.edu/>

Regular Degree Program

Mass Communication	B	M	
Recreation, Tourism, and Events	B		
Public Safety and Security	B		

Certificate Programs

Certificate in Event Management, Graduate
 Certificate in Underwater Crime Scene Investigation, Undergraduate/Graduate

College of Arts and Sciences:

<http://artsandsciences.fsu.edu/>

Regular Degree Programs

Actuarial Science	B		
American and Florida Studies	B	M	
Anthropology	B		
Biochemistry	B		
Biological Sciences	B	M	D
Biostatistics		M	D
Chemical Physics		M	D
Chemical Science	B		
Chemistry	B	M	D
Classics	B	M	D
Computational Biology	B		
Computational Science	B	M	D
Computer Science	B	M	D
Creative Writing		M	
East Asian Languages and Culture	B		
English	B	M	D
Environmental Science	B		
Environmental Science and Policy	B		
French	B	M	D
French and Francophone Studies	B		
Geology	B	M	D
Geophysical Fluid Dynamics			D
German	B	M	
Greek	B	M	
History	B	M	D
History and Philosophy of Science		M	
Humanities	B	M	D
Italian	B		
Italian Studies		M	
Latin	B	M	
Materials Science		M ⁴	D
Mathematics	B	M	D
Meteorology	B	M	D
Middle Eastern Studies	B		
Molecular Biophysics			D
Neuroscience			D
Oceanography		M	D
Philosophy	B	M	D

Physical Science	B		
Physics	B	M	D
Psychology	B	M	D
Religion	B	M	D
Russian	B		
Science Teaching		M	
Slavic		M	
Spanish	B	M	D
Statistics	B	M	D

Combined Degree Programs

Computer Science	BS/MS
History	BA/MA
Mathematics	BS/MS
Philosophy	BA/MA
Statistics	BS/MS

Certificate Programs

Certificate in Publishing and Editing (English), Graduate
 Certificate in Global Pathways, Undergraduate/Graduate, Interdisciplinary
 Certificate in Marine Biology and Living Resource Ecology, Undergraduate
 Certificate in SAS Programming and Data Analysis (Statistics), Undergraduate/Graduate

College of Business:

<http://cob.fsu.edu/>

Regular Degree Programs

Accounting	B	M	
Business Administration	B	M	D
Business Administration/Social Work		M ²	
Finance	B	M	
Hospitality Management	B		
Management	B	M	
Management Information Systems	B	M	
Marketing	B	M	
Real Estate	B		
Risk Management/Insurance	B		

Combined Degree Program

Marketing	BS/MS
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Certificate Programs

Certificate in Sales Management, Graduate
 Global Pathways, Undergraduate

College of Communication and Information:

<http://cci.fsu.edu/>

Regular Degree Programs

Communication	B	M			D
Communication Sciences and Disorders	B	M	A		D
Information Technology	B	M			
Library and Information Studies		M		S	D

Combined Degree Program

Communication	BS/MS
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Joint Degree Program

Library Information Studies and Law	MS/JD
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Certificate Programs

Certificate in Communication Sciences and Disorders, Graduate
 Certificate in Digital Video Production, Graduate
 Certificate in Global Pathways, Undergraduate/Graduate, Interdisciplinary
 Certificate in Health Information Technology, Undergraduate
 Certificate in Information Architecture, Graduate
 Certificate in Information Leadership and Management, Graduate
 Certificate in Multicultural Marketing Communication, Undergraduate/Graduate
 Certificate in Project Management, Graduate
 Certificate in Reference Services, Graduate
 Certificate in School Library Media Specialist Leadership, Graduate
 Certificate in Youth Services, Graduate

College of Criminology and Criminal Justice:

<http://www.criminology.fsu.edu/>

Regular Degree Programs

Computer Criminology	B	M	
Criminology	B	M	D
Criminology/Public Administration		M ²	
Criminology/Social Work		M ²	

Combined Degree Program

Criminology and Criminal Justice	BS/MS
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Joint Degree Programs

Criminology and Public Administration	MS/MPA
Criminology and Social Work	MS/MSW

College of Education:

<http://www.coe.fsu.edu/>

Regular Degree Programs

Counseling and Human Systems		M	S	
Counseling Psychology and Human Systems		M		D
Curriculum and Instruction		M	S	D
Early Childhood Education	B	M	S	D
Educational Leadership and Policy		M	S	D
Educational Psychology		M	S	D
Elementary Education	B	M	S	D
English Education	B	M	S	D
Foundations of Education		M	S	D
Higher Education		M	S	D
Instructional Systems		M		D
Mathematics Education		M	S	D
Measurement and Statistics		M	S	D
Multilingual/Multicultural Education		M	S	D
Reading Education		M	S	D
Research and Evaluation Methods		M		D
Science Education	B	M	S	D
Social Sciences Education	B	M	S	D
Special Education	B	M	S	D
Sport Management	B	M		D
Visual Disabilities	B	M	S	

Combined Degree Program

Exceptional Student Education	BS/MS
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Joint Degree Program

Law and Sport Management	JD/MS
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Certificate Programs

Note: The certificates below are currently under review, please visit <http://coe.fsu.edu> for more information.

Certificate in Coaching, Graduate
 Certificate in Educational Leadership - Modified Program, Graduate
 Certificate in Human Performance Technology, Graduate
 Certificate in Institutional Research, Graduate
 Certificate in Measurement and Statistics, Graduate
 Certificate in Online Instructional Development, Graduate

FAMU-FSU College of Engineering:

<http://eng.fsu.edu/>

Regular Degree Programs

Biomedical Engineering		M	D
Chemical Engineering	B	M	D
Civil Engineering	B	M	D
Computer Engineering	B		
Electrical Engineering	B	M	D
Industrial Engineering	B	M	D
Materials Science		M ⁴	D
Mechanical Engineering	B	M	D

Combined Degree Program

Electrical Engineering	BS/MS
Mechanical Engineering	BS/MS

The Graduate School**Regular Degree Programs**

Materials Science	M ⁴	D
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Certificate Program

Certificate in Preparing Future Faculty, Graduate
 Certificate in Preparing Future Professionals, Graduate

College of Human Sciences:

<http://www.chs.fsu.edu/>

Regular Degree Programs

Athletic Training	B		
Clothing, Textiles, and Merchandising	B	M	
Exercise Science	B	M	D
Family and Child Sciences	B	M	D
Food and Nutrition	B	M	D
Marriage and Family Therapy			D

Joint Degree Program

Family Child Sciences and Law	MS/JD
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Certificate Program

Certificate in Retail Merchandising, Graduate

College of Law:

<http://www.law.fsu.edu/>

Regular Degree Programs

American Law for Foreign Lawyers	M	
Environmental Law and Policy	M	
Law		JD

Joint Degree Programs

Business <i>and</i> Law	MBA/JD
Economics <i>and</i> Law	MS/JD
Family and Child Sciences <i>and</i> Law	MS/JD
International Affairs <i>and</i> Law	MS/JD

Information Studies <i>and</i> Law	MS/JD
Public Administration <i>and</i> Law	MPA/JD
Social Work <i>and</i> Law	MSW/JD
Sport Management <i>and</i> Law	MS/JD
Urban and Regional Planning <i>and</i> Law	MSP/JD

Certificate Programs

Professional Certificate in Environmental, Natural Resources, and Land Use Law, Graduate

Professional Certificate in International Law, Graduate

College of Medicine:

<http://med.fsu.edu/>

Regular Degree Programs

Biomedical Sciences	M	D
Medicine		MD

College of Motion Picture Arts:

<http://film.fsu.edu/>

Regular Degree Program

Motion Picture Arts	B	M
Motion Picture Arts Writing		M

College of Music:

<http://music.fsu.edu/>

Regular Degree Programs

Arts Administration		M ¹	
Music Education	B	M	D
Music Performance	B	M	D
Music Theory and Composition	B	M	D
Music Therapy	B	M	
Music-Liberal Arts	B	M	
Musicology		M	D
Opera Production		M	

College of Nursing:

<http://nursing.fsu.edu/>

Regular Degree Program

Nursing	B	M	D
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Certificate Programs

Certificate in Nursing Education, Graduate
 Certificate in Nursing Leadership, Graduate

College of Social Sciences and Public Policy:

<http://www.coss.fsu.edu/>

Regular Degree Programs

African-American Studies	B		
Asian Studies	B	M	
Asian Studies/ Business	B		
Demography		M	
Economics	B	M	D
Geographic Information Science		M	
Geography	B	M	D
International Affairs	B	M	
Latin-American and Caribbean Studies	B		
Political Science	B	M	D
Public Administration		M	D
Public Administration/ Law		M ²	
Public Administration/ Social Work		M ²	

Public Administration/Criminology		M ²	
Public Administration/Urban and Regional Planning		M ²	
Public Health		M	
Russian and East European Studies	B	M	
Social Science	B	M	
Sociology	B	M	D
Urban and Regional Planning		M	D
Urban and Regional Planning/Demography		M ²	
Urban and Regional Planning/International Affairs		M ²	
Urban and Regional Planning/Law		M ²	
Urban and Regional Planning/Public Administration		M ²	
Urban and Regional Planning/ Public Health		M ²	

Combined Degree Program

Master of Public Administration	BA or BS/MPA ⁵
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Certificate Programs

Certificate in Emergency Management, Undergraduate/Graduate
 Certificate in Florida City and County Management, Graduate
 Certificate in Global Pathways, Undergraduate/Graduate, Interdisciplinary
 Certificate in Human Resource Management, Graduate
 Certificate in Online Geographic Information Systems, Graduate
 Certificate in Political Science, Research Intensive, Undergraduate
 Certificate in Public Administration, Undergraduate/Graduate
 Certificate in Public Financial Management, Graduate

College of Social Work:

http://csw.fsu.edu

Regular Degree Programs

Social Work	B	M	D
Social Work/Business Administration		M ²	
Social Work/Criminology		M ²	
Social Work/Law		M ²	
Social Work/Public Administration		M ²	

Certificate Programs

Certificate in Child Welfare Practice, Undergraduate/Graduate
 Certificate in Gerontology, Undergraduate/Graduate
 Certificate in Leadership in Executive and Administrative Development in Social Work, Graduate

Undergraduate Studies, Division of

Certificate Program

Associate in Arts Certificate, Undergraduate

College of Visual Arts, Theatre, and Dance:

<http://cvatd.fsu.edu/>

Regular Degree Programs

American Dance Studies		M		
Art Education		M	S	D
Art Therapy		M ¹		
Arts Administration		M ¹		
Dance	B	M		
Graphic Design	B			
History and Criticism of Art	B	M		D
Interior Design	B	M		
Studio Art	B	M		
Theatre	B	M		D

Certificate Programs

Certificate in Global Pathways, Undergraduate/Graduate, Interdisciplinary
 Certificate in Public Art and Architectural Art, Undergraduate

Interdisciplinary Programs

Regular Degree Programs

African American Studies	B		
American and Florida Studies	B	M	
Asian Studies	B	M	
Humanities	B	M	D
International Affairs	B	M	
Latin-American and Caribbean Studies	B		
Materials Science		M ⁴	D
Physical Science	B		
Public Health		M	
Russian and East European Studies	B	M	
Social Science	B	M	

¹ Offered jointly by the College of Music and by the College of Visual Arts, Theatre, and Dance

² Dual degree program

³ Offered jointly by the College of Arts and Sciences, by the College of Communication and Information, and by the College of Education

⁴ Offered jointly by the College of Arts and Sciences, by the FAMU-FSU College of Engineering, and by the Graduate School

⁵ Open to qualified students in any undergraduate major who are accepted into the combined degree program.

STUDENT SERVICES

Florida State University students engage in a supportive and challenging environment designed to maximize learning and success. The University provides opportunities for student growth in the areas of social and cultural awareness, physical well being, intellectual expansion, and spiritual and moral growth. The University is committed to creating a sense of community among students, faculty, and administrators that embodies respect, responsibility, and acceptance of all people.

Division of Student Affairs

Vice President for Student Affairs: Mary B. Coburn

Associate Vice President for Student Affairs: Eric Weldy

The goals of the Division of Student Affairs are to facilitate student development, celebrate differences, and promote civic and global responsibility in both formal and informal educational experiences. The Vice President for Student Affairs and staff are responsible for the following departments:

Campus Recreation

Career Center

Center for Academic Retention and Enhancement (CARE)

Center for Global Engagement

Center for Leadership & Social Change

Dean of Students Department

Greek Life

New Student and Family Programs

Student Disability Resource Center

Student Rights and Responsibilities

Victim Advocate Program

Withdrawal Services

Oglesby Union

Art Center

Askew Student Life Center

Crenshaw Lanes

FSU Flying High Circus

Guest Services

Oglesby Gallery

Student Activities Center

Union Board

Union Productions

Student Government Association

Radio and Television

University Counseling Center

University Health Services

University Housing and Child Development Programs

Some of these departments and their programs are highlighted below; however, for more complete information, refer to *Florida State University Student Handbook* or the Division of Student Affairs Web site at <http://www.studentaffairs.fsu.edu>. The Handbook is available at the Union Information Center.

The University also offers the following student service programs, which are administered by their individual offices or departments:

Assessment Services

Parking and Bus Services

Bicycle Parking

FSU Police Department

Seminole Dining

StudentsFirst

For academic support services, refer to the "Academic Advising and Academic Support Services" chapter of this *General Bulletin*. For employment services, refer to the "Financial Information" chapter.

Campus Recreation

Campus Recreation's purpose is to support every member of the FSU community in his or her pursuit of lifelong wellness. The recreational programs within the department that support this goal are Aquatics, Fitness and Wellness, Intramural Sports, Sport Clubs, Outdoor Pursuits, and the FSU

Challenge team building program. Subsequently, the recreational facilities that provide a space for wellness includes the Leach Recreation Center, Rec SportsPlex, FSU Reservation, and the New Fitness and Movement Clinic.

FSU Campus Recreation encourages this "movement to total wellness" through integrity, experiential learning, excellence, innovation, and community.

Campus Recreation has two fitness facilities, the **Leach Center** and **Fitness and Movement Clinic**. These facilities offer a variety of fitness and wellness services, including group fitness classes, personal training, and wellness testing. All group fitness and personal training instructors are nationally certified. The Leach Center also contains a 16-lane, 25-yard lap pool, indoor jogging track, basketball courts, and massage therapy. The lifeguard staff provides health and safety instruction, including CPR/AED, First Aid, and Lifeguard training for the entire department as well as the Tallahassee Community. Aquatics also sponsors the semesterly SCUBA certification class, adult and child swim lessons, the 100-mile Swim Club, and several aquatics-oriented sports clubs. Access to both fitness facilities is free for students, and faculty/staff may buy memberships for a modest monthly rate.

The **FSU Reservation** (the "Rez") is the University's lakefront facility. Students gain free entry into the Rez, where they may rent kayaks, canoes, sailboats, and stand-up paddle boards for free. The Rez also has a conference center and cabins that may be rented for daily and overnight use. The facility also houses the department's high and low challenge (ropes) courses and the **Outdoor Pursuits** adventure program. Through Outdoor Pursuits, students may participate in outdoor adventure trips such as backpacking, rock climbing, and paddling.

Campus Recreation also operates the **Intramural Sport and Sport Club** program. Students may participate in over forty intramural sport leagues annually. The leagues are divided into male, female, and co-ed, and they also offer various divisions to accommodate a wide range of skill levels. 1,800 students participate in the forty-five competitive, instructional, and social teams that comprise FSU Sports Clubs. The list includes several martial arts units, men's and women's rugby, rowing, ultimate frisbee, lacrosse and many, many more. These clubs are over 90% self-funded, meaning that students fundraise tens of thousands of dollars annually to purchase new equipment, uniforms, and to fund travel. Many sports compete intercollegiately on a national level.

For more information on Campus Recreation offerings, visit <http://campusrec.fsu.edu>.

Career Center

The Career Center provides individualized career services to Florida State University students and alumni. The Career Center includes a library offering over 3,000 information resources, private career advising areas, as well as mock interviewing and on-campus recruiting facilities. Career advisers and other staff assist students with a variety of issues, including choosing majors, researching occupations and employers, exploring postgraduate study, and developing job search strategies. No appointment is necessary to speak with a career adviser.

Students can work toward their career goals by using a variety of Career Center tools and services. For students who would like to develop their career planning skills, the Career Center offers SDS 3340, Introduction to Career Development (1-3 credit hours). Those students needing career-related work experience can find internships, cooperative education, part-time/summer jobs, externships, and volunteer opportunities through SeminoleLink, an on-line jobs database and other Career Center library resources. Students seeking full-time work can use SeminoleLink or attend one of several career expositions to network and apply for positions with hundreds of employers nationwide. During the Fall and Spring semesters, students can even interview on campus for internships, co-ops, or full-time positions with employers.

Students in all academic disciplines are encouraged to use the FSU ePortfolio system to document their experiences and skills. Information saved in the portfolio can be used for job or graduate school applications and during interviews. FSU Students and alumni can also use *Resumé Builder*, available on SeminoleLink, to assist them in creating eye-catching resumé. The Career Center also offers customized mock interviews, allowing students to practice and improve their interviewing performance. Finally, Career Center staff provide workshops covering a variety of topics, such as job searching, writing resumé and cover letters, interviewing, going to graduate school, and more.

The Career Center is located in the Dunlap Student Success Center at the corner of Woodward Avenue and Traditions Way. Our general hours are 8:00 a.m. to 5:00 p.m., Monday through Friday. Drop-in career advising is also

available Monday through Friday 9:00 a.m. to 4:30 p.m. and on some Tuesday evenings until 8:00 p.m. during the Fall and Spring semesters. For specific career advising hours or answers to other questions, please call (850) 644-6431 or visit <http://www.career.fsu.edu>.

Center for Academic Retention and Enhancement (CARE)

Florida State University and the **Center for Academic Retention and Enhancement (CARE)** are committed to recruiting, retaining, and graduating economically, educationally, or culturally disadvantaged students who have the potential to do college level work.

CARE administers a high-school-to-college **Summer Bridge Program** to encourage college success. Florida State University's pre-collegiate programs, including the **Upward Bound Program** and the **College Reach Out Program** are administered through the Center as well. **CARE** introduces students to the responsibilities and opportunities of college life, encourages the development of useful study habits, and assists students in recognizing their potential for success. The Center provides a caring environment for students to discuss their academic, personal, and/or social concerns with a friendly, supportive staff.

Pre-Collegiate Programs

The following pre-collegiate programs are provided by the University: **College Reach Out Program**, **University Experience Program**, and **Upward Bound Program**.

For more information, refer to the "Academic Advising and Academic Support Services" chapter of this *General Bulletin*.

Center for Leadership and Social Change (The Center)

At Florida State University, leadership, community involvement, and interculturalism are integral elements of a liberal arts education. With a mission to transform lives through leadership education, identity development, and community engagement, **The Center for Leadership and Social Change (The Center)** work towards the following vision:

Students and alumni are responsible citizens and effective leaders. They are aware of and engaged in the world around them and use their talents and means to create a more just and humane society.

Students are aware of their values and multiple identities, including ability, age, class, ethnicity, faith structure, gender identity expression, nationality, race, sexual orientation, and socioeconomic status. They recognize the intersection of these identities and acknowledge that multiculturalism enhances the quality of life. From this understanding, students belong to and create intercultural communities that benefit from the value of difference.

Students and alumni are known and respected for their leadership acumen and public service tradition. In their personal, professional, and creative communities, they readily seek and accept opportunities for life-long learning, meaningful influence, and positions of trust.

The Center offers over twenty-five programs that students can choose from which include: **service opportunities**, **leadership development**, and **intercultural education**. For more information, contact The Center for Leadership & Social Change, Division of Student Affairs, *Dunlap Student Success Center, 100 S. Woodward Avenue, Tallahassee, FL 32306; (850) 644-3342; Fax (850) 644-3362; Web site: <http://www.thecenter.fsu.edu>; e-mail: thecenter@admin.fsu.edu.*

Dean of Students Department

The primary focus of the **Dean of Students Department** is to support the academic mission of Florida State University and the Division of Student Affairs by providing services, programs, resources, and advocacy for the needs and interests of all students. This includes advocacy for students reporting alleged sexual harassment and students in crisis. Staff members provide educational opportunities for students to develop their values, decision-making skills, and leadership capabilities. For more information, contact Dean of Students Department at 4100 UCA, call (850) 644-2428 or (850) 644-8504 (TDD), or visit <http://www.deanofstudents.fsu.edu>.

The **Student Disability Resource Center (SDRC)** is the primary advocate for students with disabilities and a resource site for the University community on disability-related issues. The SDRC also provides academic support services such as extra time on exams, readers, note-takers, alternate texts, and sign language interpreters. The SDRC provides on-campus transportation for persons with mobility impairments and maintains the **Theodore and Vivian Johnson Adaptive Technology Lab**, a facility that houses computers and adaptive equipment that help students with disabilities successfully meet the requirements of

their academic programs. Any student in need of specific services and reasonable accommodation should contact the Student Disability Resource Center, 108 Student Services Building, or call (850) 644-9566 or (850) 644-8504 (TDD), or visit <http://www.disabilitycenter.fsu.edu>.

All new undergraduate students are required to attend an orientation, advisement, and registration session coordinated by the Dean of Students Departments' Office of New Student & Family Programs. During orientation, students are given essential information: the University's policies and procedures, community values and standards, and academic requirements and opportunities. Students also receive practical advice on consumer survival: where to buy books, open checking accounts, or meet other students with similar interests.

In addition to meeting faculty and administrators, students are assigned to small groups led by trained staff, comprised of currently enrolled students, who inform and guide the newcomers. Students must meet with their academic advisers before registering for classes. Students may not register for their first term on campus until they have completed an orientation session. Although they may be admitted up to a year before they enter, students may only attend orientation immediately prior to their enrollment. New Student & Family Programs provides sessions preceding each academic term.

Orientation sessions include a concurrent session for family members. During these sessions family members learn about the University, its services and academic programs, and meet with administrators and faculty. Family members and students share tours of residence halls and visit booths set up in a fair-like atmosphere.

All admitted undergraduate students receive by mail information and instructions about registering for orientation. Attendance is by reservation only, and participants must pay a nonrefundable fee. For more information, please visit <http://www.nsfp.fsu.edu>.

The **Office of Greek Life** advises and advocates for thirty fraternities, twenty-six sororities. These fifty-six organizations are divided into the following governing councils: twenty-two chapters of the Interfraternity Council (IFC), eleven chapters of the Multicultural Greek Council (MGC), seven chapters of the National Pan-Hellenic Council (NPHC), and sixteen chapters of the Panhellenic Association. Fraternities and sororities at Florida State University provide students with an opportunity to establish community and build a strong support group while furthering the ideals of scholarship, leadership, service, and social development. These organizations have been an integral part of the holistic education and development of students since 1904. For information call (850) 644-9574, or visit <http://www.greeklife.fsu.edu>.

The **Office of Student Rights and Responsibilities** administers student disciplinary procedures in accordance with the Student Conduct Code and maintains official disciplinary records. An emphasis is placed upon educating students about their rights and responsibilities as members of the University community. University codes and policies pertaining to students can be found in the *Florida State University Student Handbook* and the "Academic Regulations" chapter of this *General Bulletin*. For more information regarding student judicial procedures, call (850) 644-5136, or visit <http://www.srr.fsu.edu>.

The **Withdrawal Services** staff provides support to students and their families when a student's enrollment is unexpectedly interrupted for personal, medical, or mental health reasons, and/or other crisis. The Withdrawal staff explains the withdrawal application process and its various stages, evaluates fee and grade liability for completed coursework, refers students to their Academic Dean and offers other University support services as needed, notifies each student of the final decision, and maintains a University record of the completed withdrawal. After meeting with the Withdrawal Services staff, students should expect to spend time in discussion with their Academic Dean about the implications of withdrawing, the viability of their withdrawal application, and any alternative academic options that may exist. Academic Deans and their staff possess the authority to decide and approve student withdrawals from a semester of enrollment. For more information call (850) 644-1741 or <http://withdrawal.fsu.edu>.

Staff of the **FSU Victim Advocate Program** provide advocacy to victims of crime. An advocate is on-call twenty-four hours a day to respond to those Florida State University students, faculty, and staff who are victimized, and to any person victimized on Florida State University campus. The services offered include emotional support, court accompaniment and crisis intervention, instructor notification, referral to counseling services, and educational programming for the campus community. For information call (850) 644-7161 or (850) 644-2277, or visit <http://www.victimadvocate.fsu.edu>. After hours, call (850) 644-1234 and ask for an advocate.

Center for Global Engagement (CGE)

Director: Cynthia Green, Ed.D.; **Associate Director:** Kristin Hagen; **Assistant Directors:** Joy M. Ira, Leigh Ann Osborne

The Mission of the Center for Global Engagement (CGE) is to facilitate international diversity and foster global understanding and awareness within the FSU community. The CGE is committed to enhancing FSU's internationalization initiatives by providing services to international students and scholars/faculty relating to their non-immigrant visa status. The CGE also works with academic departments to: bring in funded international students through foreign government or third-party sponsors; develop special programs through agreements with partner institutions abroad to attract talented graduate students to the university; and, facilitate international student exchanges with other universities. One of these unique exchange programs is Beyond Borders which offers an alternative to traditional academic study abroad programs and provides students with short-term, rich cultural learning experiences through immersion in the target cultures.

Additionally, the CGE also provides training, workshops and classes in intercultural communication that are aimed at facilitating the growth of students into global citizens. It provides experiential, socio-cultural, and service opportunities to tie theory with practice. Students also have the option of becoming part of the Global Pathways Cognate Program that enables students to process their intercultural experiences into skills and competencies needed to become a global ready graduate of the university.

The Center for Global Engagement is located at the Global and Multicultural Engagement building (The Globe) on 110 S. Woodward Street, Tallahassee, FL 32306-4216. For more information, visit <http://cge.fsu.edu/>, call (850) 644-1702, or e-mail cge@admin.fsu.edu.

Student Government

The **Student Government Association (SGA)** is the student's voice at Florida State University. SGA allocates approximately \$13 million of activity and service fees. These funds support the Leach Center, Oglesby Union, activities of the student senate, the executive branch, student government agencies, and numerous student organizations and university units. Elected and appointed officials enjoy many opportunities to acquire leadership and administrative skills and to serve their fellow students and the university. For more information, call (850) 644-1811 or stop by *A205 Oglesby Union*.

The **Congress of Graduate Students (COGS)** is an elected body of all post-baccalaureate, graduate, professional and doctoral students at the university. COGS is a unified voice and advocate for all graduate related matters. It also offers travel grants to graduate students, funds graduate organizations, and sponsors a variety of programs and services, including a computer lab for students. For further information, call (850) 644-7166 or stop by *A205 Oglesby Union*.

The Student Government Association funds or partially funds the Oglesby Union, Campus Recreation, COGS, homecoming, the Golden Tribe Lecture Series, the Asian-American Student Union, the Black Student Union, the Center for Participant Education, the Hispanic/Latino Student Union, the Inter-Residence Hall Council, Pride Student Union, the Women Student Union, First Responders Unit, Men Advocating Responsible Conduct (MARC), SAFE (escort service), the SGA Publications Office, WVFS V-89 (student-run radio station), College Leadership Councils, Office of Sustainability, and hundreds of student organizations. For more information on these offices or services, please come by *A205 Oglesby Union* or visit our Web site at <http://www.sga.fsu.edu>.

Oglesby Union, Askew Student Life Center, and FSU Flying High Circus

The **Oglesby Union** is the center of student activity on campus, hosting a variety of cultural, educational, social, and recreational activities. Union facilities include a student activities center; an entertainment club; restaurants; study and television lounges; an arts center and gallery; a bowling, billiards, and games room; lost and found; automatic teller machines; information center; student organization offices; meeting rooms; auditorium; and ballrooms. The Oglesby Union complex is also home to student campus post office, UPS Store, and Computer Lab.

The Oglesby Union coordinates multiple University-wide events including Seminole Sensation Week, Homecoming, Parents' Weekend, and Family Weekend. Seminole Sensation Week welcomes incoming and returning students the week prior to the beginning of Fall semester classes. The events and activities provide students with an opportunity to learn more about campus life. Homecoming builds spirit on campus and in the community for Florida State University and welcomes alumni back. Student organizations come together to participate and compete in Homecoming activities. Parents' and Family Weekends welcome parents and families to campus to share in the FSU experience with their students. Parents' Weekend is in the Fall, and Family Weekend is in the Spring.

The Oglesby Union comprises multiple departments providing services, support, and programming for the university community. The Art Center offers a variety of classes and programs including Paint-a-Pot, Art in Low Places, and a full-service frame shop. You can enjoy rotating exhibits and artwork at the Oglesby Gallery, located on the second floor of the Oglesby Union in the Krentzman Lounge. Crenshaw Lanes has been a tradition at FSU since 1964. Featuring twelve bowling lanes and ten billiards tables, Crenshaw Lanes provides fun and healthy activities for FSU students. The Union provides space that can be reserved for a variety of events through the Guest Services department. Space may be reserved for meetings, conferences, social events, dances, and banquets. Recognized Student Organizations may request space by stopping by the **Guest Services** office in the Krentzman Lounge of Oglesby Union, visiting them online at <http://unionreservations.fsu.edu> or by calling them at (850) 644-6083.

The **Student Activities Center (SAC)** is here to help you create your FSU Experience! Located on the third floor of the Oglesby Union, Activities Building, SAC is your direct connection to getting involved on campus. Come meet with a Peer Involvement Mentor to start your involvement experience. Over six hundred student organizations are recognized annually by Student Activities. Departments within the SAC include Student Organization and Involvement, Union Productions (UP), Market Wednesdays, Homecoming, Dance Marathon, and Event Planning. Resources for students include copying, faxing, storage space, campus mailboxes, and meeting space all for student organization.

Students who participate in the many involvement opportunities available in Student Activities provide leadership and direction in all facets of social, cultural, and educational programming for the FSU campus. Students gain experience in booking events, marketing and advertising, hospitality, staffing events, and a variety of leadership skills. **Union Productions** sponsors over one hundred and twenty programs and events a year, including an array of bands, comedians, and special events through the Oglesby Union's hotspot—the Club Downunder, and other venues on and off campus.

The **Askew Student Life Center (ASLC)** is home to one of the nation's leading campus movie programs, showing a variety of films each week in the 380-seat state-of-the-art theatre. While at the ASLC, check out the Cyber Café where you can enjoy video games and computer gaming or get a drink and treat at Grindhouse coffee shop. The Congress of Graduate Students (COGS), Assembly Room, University Housing offices, and the University Counseling Center are all located in the ASLC.

Florida State University's **Flying High Circus**, a component of the union, is one of only two collegiate circuses in the nation. Founded in 1947, the circus has delighted audiences at home and abroad with performances such as juggling, balancing, and aerial acts. Students work as their own riggers, put up the big top, and assist with audio and lighting production. The Flying High Circus performs on campus in the fall, during Parents' Weekend, and in the Spring, for the Annual Home Show Series. A group of circus performers performs in the summer in Callaway Gardens, and another group hosts a Camp for Kids in Tallahassee.

The **Oglesby Union Board** represents the university community to ensure that the facilities, services, and amenities offered by the Oglesby Union Complex meet the needs and interests of their constituents. The Board is made up of twelve students, two faculty, two staff, and one alumnus. Union Board elections take place in the Spring semester. The Union Board office is located in the SAC (A305).

For more information on the Oglesby Union and all of the departments mentioned above, please visit <http://union.fsu.edu>.

Student Veterans Center

A central resource for Florida State student veterans, the **Student Veterans Center (SVC)** provides a range of tools to ensure veterans succeed in their educational endeavors. From on- and off-campus resources to academic support services to scholarship and benefits assistance, the Student Veterans Center is pleased and honored to support those who have served our country. The SVC also provides guidance and support to the Florida State chapter of the Collegiate Veterans Association, a dynamic organization whose members participate in student activities, community service, and advocacy of veteran issues. For more information, please visit the Student Veterans Center at the *Pearl Tyner house, 1030 W. Tennessee St.*, call (850) 645-9867, fax (850) 645-9868, e-mail veteranscenter@fsu.edu, or visit <http://veterans.fsu.edu/>.

Office of Veterans Affairs

The Office of Veterans Affairs, a unit of the Student Veterans Center, serves both veterans and their dependents by providing certification of enrollment for VA educational benefits as well as other community resource information. Students who may be eligible for benefits are encouraged to contact the Office of Veterans Affairs to initiate, change, or renew benefits at Florida State

University as soon as possible each semester. The Office of Veterans Affairs is located within the Office of the University Registrar. For more information, please visit 3900 UCA, call (850) 644-1252, fax (850) 644-1597, e-mail veteran@admin.fsu.edu, or visit <http://registrar.fsu.edu/services/veterans/>.

Radio and Television

The University-owned and operated **WFSU-FM** and **WFSQ-FM** are Tallahassee's only listener-supported, noncommercial public radio stations. Listeners tune into classical music, jazz, big band, and new-age music on WFSQ, and listen to local and state news and information programs through National and Florida Public Radio on WFSU.

Florida State University students interested in a career in broadcasting are encouraged to participate in the station's volunteer and internship programs. Participants are given an opportunity to work within a professional public-radio setting and gain valuable experience in many facets of the station's operation, including programming, production, announcing, public relations, and management.

WFSU-TV is an award-winning, noncommercial public television station licensed to the State Board of Education and operated by Florida State University. One of the fastest growing PBS stations in the nation, it recently extended coverage to the western area of the state transmitting on Channel 56, WFSG-TV, Panama City.

Both WFSG-TV and WFSU-TV broadcast PBS favorites and locally produced programs that offer news and feature stories, sports events, and community-interest spots.

Fund-raisers, staffed entirely by volunteers, give students an opportunity to gain broadcasting experience as members of the camera crew or production staff. Another way to learn production, public relations, or fund-raising techniques is through a professional-level internship, available only to a few students who are willing to invest a great deal of time and energy.

WFVS Tallahassee (89.7 FM), the Voice of Florida State, is the FSU student-run radio station. An affiliated project of the Student Government Association and the College of Communication and Information, it serves two purposes: to supply the student body with music and information not available on other local radio stations and to train Florida State University students in the basic concepts of broadcasting and radio station management. WFVS also airs a wide array of specialty shows, and sports programming pertinent to University students.

Anyone enrolled at Florida State University or in the FAMU—FSU Cooperative Program is eligible to work for WFVS. Most staff members work on a volunteer basis; however, in some instances class credit can be earned through Department of Communication courses. Students with writing, sales, public relations, and audio production skills are welcome, but no experience is required. WFVS recruits for all positions three times a year, always during the first week of each semester; listen to 89.7 FM for details.

Health Care

University Health Services (UHS) provides primary out-patient medical care to eligible FSU students and their dependents age thirteen years and older. Currently enrolled, fee-paying students are not charged for illness or injury of office visits. Additional services such as psychiatry, annuals, procedures, lab, diagnostic imaging, physical therapy, chiropractic, and massage are provided at a fee. UHS will bill the student's insurance for any charges incurred. Services include general medical care, women's care, psychiatry, allergy injection clinic, immunizations, nutrition, health promotion, confidential HIV testing, lab, x-ray, physical therapy, chiropractic, and massage.

UHS clinical staff includes board-certified physicians, psychiatrists, advanced registered nurse practitioners, physician assistants, licensed practical nurses, x-ray technologists, registered nurses, and dietitians. The health center has more than one hundred full-time employees and also employs many part-time and student staff members.

The Florida State University Health and Wellness Center opened August 20, 2012. The 140,000 square foot facility is a collaborative effort between the Division of Student Affairs and Academic Affairs. The new facility has ample space dedicated to comprehensive prevention and treatment services for the campus community.

All students must meet State Board of Education immunization requirements. Immunization requirements are explained on the second page of the health history form. The health history form can be found at <http://www.uhs.fsu.edu> on the Forms page. Immunization documentation and health history forms must be submitted to the Health Compliance Office in sufficient time to be processed before the student will be able to register for classes.

All incoming full-time students are required to have health insurance coverage. As a condition of their admittance to Florida State University, all non-United States citizens on a J-1 or F-1 visa must have appropriate health insurance regardless of their credit hour load. Florida State University spon-

sors reasonably priced policies that meet insurance requirements for both domestic and international students. Information about the policies available for students is posted on the student insurance Web site at <http://www.studentinsurance.fsu.edu>. For student insurance policy information, students may also call either the Health Compliance Office at (850) 644-3608, or Collegiate Risk Management at (850) 644-4250 or (800) 922-3420. Other insurance options for international students are also accessible on the student insurance Web site. Medical care outside the health center facility is the financial responsibility of the student.

The UHS Health Promotion Department is dedicated to assisting FSU students in their academic success through individual, group, and population-based health and wellness initiatives. The Health Promotion Department also addresses the Healthy Campus 2020 Mission. To maximize campus wellness, we support academic and personal success by:

- Addressing environmental factors that reduce risk
- Educating about healthy lifestyles
- Promoting positive choices and behaviors
- Providing a coordinated continuum of care
- The Health Promotion Department also offers internships and educational opportunities. The UHS Health Promotion Department mentors, trains, and advises peer health educators while encouraging creativity and leadership. The peer health educators:
 - Advocate for health and wellness to all FSU students under the auspices of Healthy Campus 2010/2020
 - Function as an extension of UHS' Health Promotion Department, assisting with collective goals and objectives
 - Create and deliver sustainable outreach and prevention initiatives
 - Make healthy and safe lifestyle decisions and avoid high-risk behaviors
 - Encourage their friends to develop responsible habits and attitudes toward high-risk health and issues

Students can also join the peer health education group, Healthy Noles, a university and community based network focusing on comprehensive health and safety initiatives. All students are encouraged to visit the University Health Services Web site at <http://www.uhs.fsu.edu> for more complete information, or call (850) 644-6230 or (850) 644-8871.

Counseling Services

The University Counseling Center (UCC), a department in the Division of Student Affairs, provides counseling services and programs to help students resolve psychological issues and personal concerns that interfere with academic progress, social development, and emotional well-being. Our goal is to help students function to the best of their abilities and make the most of their years at FSU. Services are free to all currently enrolled FSU students and include time-limited individual counseling, unlimited group therapy, crisis intervention, consultation, and referrals.

Outreach presentations on mental-health topics and life skills are available to students, residence halls, student organizations, faculty, and staff. Those interested can complete the online request form at <http://www.counseling.fsu.edu>. The UCC sponsors **RENEW (Realizing Everyone's Need for Emotional Wellness)**, a peer-educator student organization whose mission is the promotion of emotional health and coping skills to FSU students.

Counseling sessions are by appointment except in cases of emergency. Records of visits to the UCC are strictly confidential and are not included in the student's University records. Confidential information will not be released to anyone without written permission, unless there appears to be clear and imminent danger to the student or others.

Students who are aware that they will require longer-term treatment are encouraged to make arrangements for private care in the community before entering the University. However, if necessary, the University Counseling Center's staff will make referrals for ongoing treatment in the Tallahassee community. Treatment outside the center will be at the student's expense.

The University Counseling Center is located in the *Askew Student Life Center, Suite 201*. To schedule an appointment, call (850) 644-2003 or visit our office Monday through Friday between 8:00 a.m. and 5:00 p.m. Additional information is available on our Web site at <http://www.counseling.fsu.edu>. The University Counseling Center is accredited by the International Association of Counseling Services, Inc.

The Florida State University Psychology Clinic provides scientifically supported therapy services for a variety of client concerns, including problems related to anxiety, depression, relationship issues, stress, and other personal issues. The clinic also conducts intellectual, academic, personality, and learning disability evaluations.

Therapy fees are on a sliding scale that is based on the client's financial resources, and fees for assessments are at a low, flat rate.

Clinic therapists are graduate students seeking their doctoral degrees in the Clinical Psychology Program, and all work is closely supervised by clinical psychology faculty.

To apply for services, call the clinic at (850) 644-3006. The clinic is located at the east end of the new *Psychology Department Building, C122 PDB*. Hours are Monday–Thursday from 8:00 a.m. to 9:00 p.m., and Friday from 8:00 a.m. to 4:00 p.m.

Housing

The **Office of University Housing** makes available living accommodations for full-time, degree-seeking, fee-paying students. Residence hall staff members seek to create living environments that promote the personal and intellectual development of resident students. For more information, see the "Housing" chapter of this *General Bulletin*.

Child Care

FSU Child Development Programs (FSUCDP) provides, for a fee, care and educational experiences in two centers for a limited number of children, ages six weeks to five years of age. Children of Florida State University students are given priority for enrollment. Space is limited, so please apply early. Applications are available at <http://www.childcare.fsu.edu> and when completed may be faxed to (850) 644-7997.

FSUCDP also provides sites for research by faculty members and graduate students in a variety of areas as well as a laboratory setting in which students may observe or work with young children. For additional information, contact *FSU Child Development Programs, 103 Askew Student Life Center, 942 Learning Way, P.O. Box 3064174 Tallahassee, FL 32306-4174, (850) 644-2860*, or visit the Web site at <http://www.childcare.fsu.edu>.

The **FSU Children's Center**, located at *169 Herlong Drive*, provides, for a fee, an early learning program for children two and one-half to five years of age. The hours are 7:30 a.m. to 5:30 p.m. Monday through Friday when classes at FSU are in session. The **Infant and Toddler Child Development Center**, located at *330 Pennell Circle*, provides, for a fee, an early learning program for children ages six weeks to two and one-half years of age. The hours are 7:30 a.m. to 5:30 p.m. Monday through Friday when classes at FSU are in session.

Assessment Services

For information concerning Assessment Services, please refer to the "Office of Distance Learning" section in "The University" chapter of this *General Bulletin*.

Parking and Bus Services

The **Office of Transportation Services** is responsible for the administration of the parking and transportation program on campus. The University requires students, staff, faculty, and visitors who want to park on campus to display a valid Florida State University parking permit. Permit enforcement hours are from 7:30 a.m. to 4:30 p.m., Monday through Friday. All other parking regulations are enforced twenty-four hours a day. Temporary permits are distributed, when needed, by Transportation Services located at *University Center C5406, 8:00 a.m. to 5:00 p.m., Monday through Friday*. Student permits must be obtained online at <http://parking.fsu.edu>.

The office has the authority to ticket, tow, or boot (auto cuff) illegally parked vehicles and to charge for late payments of citations. Appeals of citations are reviewed by the Parking Violations Appeals Board, an administrative body representative of the University community.

Parking is extremely difficult on the University campus. It is suggested that students walk, bike, or use the **Seminole Express**, the University's free campus bus service. The Seminole Express has five routes that serve on and off campus locations. The buses operate from 7:00 a.m. to 7:00 p.m., Monday through Friday during the Fall and Spring semesters, and from 7:00 a.m. to 5:00 p.m. in the Summer. Students with valid FSUCard IDs may ride the "Free Fare" on the buses of StarMetro (city of Tallahassee public transportation) to any of the designated bus stops within the city. For more information about parking and bus services please visit: <http://parking.fsu.edu>.

Bicycle Parking

In accordance with Florida Americans with Disabilities Act of 1993, the State of Florida Fire Marshal's Rules and Regulations and University rules, it is unlawful and dangerous to park bicycles in locations where they impede pedestrian or vehicular traffic. Prohibited areas include:

- Any area within six feet in front and to the side of any entrance to or exit from any building;

- Within any sidewalk; or along a fence
- On any access or egress ramp, steps, stairs or handrails;
- In corridors;
- Within any roadway or motor vehicle parking spaces.

Florida State University Police Department is authorized to cut security chains and remove for impoundment any bicycle parked or stored in violation of this rule.

Any person whose bicycle has been impounded may claim that bicycle within thirty days of impoundment by contacting Florida State University Police. The burden of proving ownership shall rest upon the person claiming the bicycle. Bicycles not claimed within thirty days shall be considered abandoned and will be disposed of in accordance with State and University rules governing abandoned property. For more information on bicycle registration, where to park your bike, and how to operate it safely, please contact Florida State University Police at (850) 644-1234. Regulations governing parking on campus, bus routes, and schedules are available upon request from: *The Office of Transportation, UCC 5406, Tallahassee, FL 32306-2532*.

FSU Police Department

Florida State University's **Police Department** is responsible for all safety and law enforcement functions on campus. The four divisions of the department are administration, police operations, investigations, and support services. The office of police operations provides motor, bicycle, and foot patrol of the campus twenty-four hours daily. The Campus Police department is comprised of sworn law-enforcement officers and unsworn personnel to promote campus safety by presenting public-safety programs in classes, residence halls, and Greek and scholarship houses. The office of investigative services provides investigative expertise in matters involving violations on campus of municipal ordinances and applicable federal and state laws.

Florida State University's *Seminole Safety Guide*, in compliance with the Campus Security Act of 1990, is published and distributed annually online, with hard-copy available upon request. The Safety Guide describes all safety programs and security services available at the University. It contains safety tips and emergency telephone numbers, policies concerning alcohol and drug use, crime prevention, the reporting of crimes, sexual assault, and other matters, as well as campus crime statistics. Copies are available through the FSU Police Department. The safety guide is available on the Web at <http://police.fsu.edu/content/download/7601/50209>.

The Student Government Association offers **Student Alert Force and Escort (SAFE) Connection**, a free service available to students, faculty, and staff. Arrangements for an escort should be made by calling *644-SAFE (7233)*. Operating hours vary throughout the year. For more details, please visit <http://police.fsu.edu/Crime-Prevention>.

The **Blue Light Trail**, comprising over 400 strategically placed light poles with emergency call boxes, provides well lit pathways around campus; additional light poles are currently under construction as part of ongoing renovation and construction projects. By pressing the call box button, students are connected with the campus police dispatcher. Students should take note of where the lights and call boxes are located and plan their routes at night accordingly. For more information, please refer to <http://www.its.fsu.edu/Communications/Emergency-Blue-Light-Telephones-EBLT>.

FSUALERT is Florida State University's emergency notification system. If there is a condition which threatens the health and safety of persons on campus, university officials will warn the campus community using one or more of the available twenty-eight methods.

Seminole Dining

Seminole Dining offers a variety of dining options for students, faculty, staff and guests. Choose from national brand favorites.

- **Residential Restaurants**—featuring unlimited servings of freshly made-to-order food.
 - **Figg Players Dining Room**—University Center D
 - **Fresh Food Company**—between Stone Building and Salley Hall
 - **Suwannee Room**—William Johnston Building between Bryan and Reynolds Hall
- **Retail Locations**
 - **Energy Zone**—Bobby E. Leach Recreation Center, Oglesby Union
 - **Chili's**—Oglesby Union
 - **Einstein Bros. Bagels**—Oglesby Union
 - **Freshens**—Bobby E. Leach Recreation Center, Oglesby Union
 - **Miso Sushi and Noodle Bar**—Oglesby Union
 - **Papa John's**—Oglesby Union
 - **Pollo Tropical**—Oglesby Union

- **Salad Creations**—Oglesby Union
- **Subway**—Oglesby Union
- **Denny's All Nighter**—Woodward and Traditions Way in Student Services Building
- **Convenience Store**
 - **Trading Post**—Oglesby Union
- **Starbucks**
 - **Barrister's Bistro**—College of Law
 - **College of Medicine**
 - **Strozier Library**
 - **Wildwood and Woodward Avenue**

All dining locations accept cash, Garnet Bucks, Flex Bucks, Visa, MasterCard, and the FSUCard. Meal Plans (prepaid amount of meals) are available at The Suwannee Room, Fresh Food Company, and Figg Players Dining Room (Lunch Only). Visit the Customer Service Office to sign up for a Meal Plan or to add money to a Garnet Bucks account. New locations are always in the works; for updated information on all Seminole Dining has to offer, please visit <http://www.seminoledining.com>, or call (850) 644-3663.

Students First

Students First is an information and service counter located on the ground floor of *University Center A*. Students can ask questions about financial aid, registration, fee payments, admissions, and anything regarding Florida State University. The Students First staff will assist students in the most convenient manner to solve their respective concern or issue.

Available at University Center A, Leach Center, and at University Health Services. **Students First Web Service kiosks** provide students with access to a variety of information regarding their current status. The kiosks allow students to access their semester grades, unofficial transcripts, class schedules, and student account statements, and enable students to change their address, view the status of their financial aid disbursement, and make payments online. For more information, please visit our Web site at <http://www.studentsfirst.fsu.edu>.

THE UNIVERSITY

The Florida State University Mission Statement

Vision

The Florida State University will be one of the world's premier institutions of higher education, devoted to transforming the lives of our students, shaping the future of our state and society, and offering programs of national and international distinction in a climate of inquiry, engagement, collegiality, diversity, and achievement.

Mission

The Florida State University preserves, expands, and disseminates knowledge in the sciences, technology, arts, humanities, and professions, while embracing a philosophy of learning strongly rooted in the traditions of the liberal arts. The University is dedicated to excellence in teaching, research, creative endeavors, and service. The University strives to instill the strength, skill, and character essential for lifelong learning, personal responsibility, and sustained achievement within a community that fosters free inquiry and embraces diversity.

University History

The Florida State University, one of the largest and oldest of the twelve institutions of higher learning in the State University System of Florida, had its beginning as early as 1823 when the Territorial Legislature began to plan a higher education system. In 1825 the Federal Government reserved two townships for the purpose of maintaining two such institutions in the territory, and in 1845 the United States Congress, supplemental to the act admitting Florida as a state in the Union, added two more townships. This led to an 1851 act of the Florida Legislature establishing two seminaries, one to be located east and the other west of the Suwannee River.

By 1854 the city of Tallahassee had established a school for boys called the Florida Institute with the hope that the state could be induced to take it over as one of the seminaries. In 1856 the Legislature of Florida chose to accept the offer of the Institute's land and building and designated Tallahassee as the site of one of the state seminaries because of its railway connections, its "salubrious climate," and its "intelligent, refined, and moral community."

Francis Eppes, who spent his formative years on the estate of his grandfather, President Thomas Jefferson, at Monticello, in Virginia, and who shared his grandfather's views of the importance to a democracy of a liberally educated citizenry, was the Mayor of Tallahassee who made the offer. Eppes served as President of the Seminary's Board of Education for eight years and instilled in the institution the Jeffersonian ideals that characterize it today.

In February 1857, the institution began offering postsecondary instruction to male students as the Seminary West of the Suwannee River. The school first became coeducational the following year when it absorbed the Tallahassee Female Academy, begun in 1843 as the Misses Bates School. Thus the West Florida Seminary, founded in 1851, began operating in 1857, only 12 years after Florida achieved statehood. It was located on the hill where the Westcott Building now stands, which has been the site of an institution of higher education longer than any other site in Florida.

Classes were held at the West Florida Seminary from 1857 until 1863, when the state legislature changed the name to The Florida Military and Collegiate Institute to reflect the addition of a military section that trained cadets. During the Civil War, cadets from the school, ranging in age from 12 to 18, fought in the Battle of Natural Bridge and helped make Tallahassee the only Confederate capital east of the Mississippi not captured during the war. As a result of the brave action of the West Florida cadets in this battle, The Florida State University's Army ROTC cadet corps is today one of only three in the nation authorized to display a battle streamer with its flag, a streamer which bears the words "Natural Bridge 1865." After the end of the war in 1865, however, Union troops under General McCook descended upon Tallahassee and occupied the city (including campus buildings), remaining for more than a month.

Following the war, the institution entered a period of growth and development. In 1884 the first diplomas, Licentiate of Instruction, were awarded, and by 1891 the Institute had begun to focus clearly on what we would today call postsecondary education; seven Bachelor of Arts degrees were awarded that year. By 1897 the institution had evolved into the first liberal arts college in the state, and in 1901 it became Florida State College, a four-year institution, with the first master's degree offered in 1902. That year the student body numbered

252 men and women, and degrees were available in classical, literary, and scientific studies. In 1903 the first university library was begun. The following quote from the 1903 Florida State College Catalogue adds an interesting footnote to this period:

In 1883 the institution, now long officially known as the West Florida Seminary, was organized by the Board of Education as The Literary College of the University of Florida. Owing to lack of means for the support of this more ambitious project, and also owing to the fact that soon thereafter schools for technical training were established, this association soon dissolved. It remains to be remarked, however, that the legislative act passed in 1885, bestowing upon the institution the title of the University of Florida, has never been repealed. The more pretentious name is not assumed by the college owing to the fact that it does not wish to misrepresent its resources and purposes.

In a 1905 reorganization of Florida's educational system by the legislature, the University of Florida in Gainesville was established and designated a men's school, and the Florida State College became a women's school called the Florida Female College. The male student body moved from Tallahassee to Gainesville, taking with it the fraternity system and the College football team, which had been state champions in 1902, 1903, and 1905. In 1909 the name of the college was changed to Florida State College for Women, an institution that grew to become the third largest women's college in the nation during the 1930s. The College became fully accredited in 1915, and a chapter of the national honor society of Phi Kappa Phi was installed in 1925, the year after the College was placed on the list of standard colleges and universities approved by the Association of American Universities and became a member of the Association of American Colleges. In 1935 the first chapter of Phi Beta Kappa in the state, Alpha Chapter of Florida, was installed at the College, a mark of its status as a true liberal arts college.

The year 1947 saw many changes. Demand by returning World War II veterans had brought men back to the campus in 1946 with the establishment of the Tallahassee Branch of the University of Florida and in 1947 caused the Legislature to return Florida State College for Women to coeducational status and name it The Florida State University. A permanent president's residence was acquired. The student body, numbering 4,056, chose a new alma mater and selected the Seminole as its mascot. The Flying High Circus was born, and football was started again when the first home game since 1905 was played in October. Three years later, Campbell Stadium was built. The first Student Union was established and housed in the "O Club" on West Campus, a former Army Air Base which mainly housed male students and provided some classroom space three miles west of the main campus.

The 1950s brought significant development and expansion to the University. To the colleges and schools that had existed since the Florida State College days—Arts and Sciences, Education, Home Economics, and Music—were added Library Science, Social Welfare (later split into Social Work and Criminology), Business, and Nursing. A student in the Department of Chemistry was awarded the University's first Doctor of Philosophy (PhD) degree in 1952. A new building was completed for the Developmental Research School, which in 1905 had evolved from the High School and the College Academy of earlier days as the Observation and Practice School created to provide on-site opportunities for experience and research to students in education. Tully Gymnasium, Strozier Library, and the Business Building were completed to enhance the education of the ever-increasing student population. In 1957 the Panama Canal Branch was opened.

In the 1960s the University acquired the Shaw Poetry Collection, established the Institutes of Molecular Biophysics and Space Biosciences, and constructed nine new buildings, including the Oglesby Union and the Fine Arts Building. During this period, the Program in Medical Sciences was established. The first black student enrolled in 1962, and the first black PhD candidates graduated in 1970. Programs in African American Studies and Women's Studies were established. Continuing the liberal arts tradition begun in the 1890s, the Liberal Studies Program required of all undergraduates was expanded and strengthened.

In each succeeding decade, The Florida State University has added to its academic organization and now comprises sixteen colleges and the Graduate School. It has expanded from the original few acres and buildings to 535 buildings on nearly 1,570 acres, including the downtown Tallahassee main campus of 446 acres; a farm, which for many decades supplied the Florida State College for Women with food; the Seminole Reservation—a recreational facility; the Marine Laboratory on the Gulf Coast; the FAMU-FSU College

of Engineering facility; the National High Magnetic Field Laboratory and Division of Research at Innovation Park; and the branch campus in Panama City, Florida. One hundred and sixty-one years after its founding, The Florida State University started the 2012-2013 academic year with a student population of over 41,000 and recognition as a major graduate research institution with an established international reputation.

In Fall 2012, The Florida State University enrolled students from all 50 states, the District of Columbia, and 129 foreign countries. The enrollment breakdown by class included 704 law students, 476 medical students, a total of 31,943 undergraduate students, a total of 8,155 graduate students, and a total of 1,203 non-degree students. Out of 41,301 students enrolled at the University that semester, 44.8 percent were men and 55.2 percent women. The University employed a total of 2,379 faculty members in Fall 2012, 57.9 percent men and 42.1 percent women.

The Panama City Campus is located on beautiful North Bay, 100 miles west of Tallahassee, near the Gulf of Mexico. The campus, with its modern classrooms and offices, has been designed to utilize the natural landscape of the site, creating an aesthetic and effective educational setting.

University Organization

The Florida State University is one of twelve units of the State University System (SUS) of Florida. The State Board of Education (SBOE), established pursuant to Section 1001.01, Florida Statutes, on January 7, 2003, oversees education governance in the state through the Commissioner of Education, who serves as Secretary of the SBOE. The Florida Board of Governors (FBOG), established pursuant to Section 7(d), Article XI of the state constitution, coordinates the State University System. The FBOG oversees the 13-member Boards of Trustees for each of Florida's public universities through the Chancellor of the State University System of Florida. The Florida State University's Board of Trustees sets the University's policies and goals and serves as its legal owner and final authority responsible for efficient and effective use of its resources.

The main campus of the University is located in Tallahassee, the state's capital. Additional program opportunities include Spring, Summer and Fall semesters at our four study centers, short Summer terms in additional locations, First Year Abroad for incoming freshmen, international internships, and College for High School for students wishing to experience studying abroad while still in high school. The year-round study centers are located in Florence, Italy; London, England; Panama City, The Republic of Panama; and Valencia, Spain. Summer program locations include Argentina, Australia, Bahamas, Brazil, China, Costa Rica, Croatia, Czech Republic, Ecuador, France, Israel, Peru, Russia, South Africa, Switzerland, Turkey, and Uruguay.

The chief executive officer of The Florida State University is the President. He is assisted by the Provost (who is also the Executive Vice President for Academic Affairs), the Senior Vice President for Finance and Administration, the Vice President for Faculty Development and Advancement, the Vice President for Planning and Programs, the Vice President for Student Affairs, the Vice President for Research, the Vice President for University Relations, the Vice President for University Advancement, and the President of the Faculty Senate.

The Division of Academic Affairs is responsible for the operation of the academic program of the University. It includes the Office of Faculty Development and Advancement, which interprets all faculty personnel policy, including faculty development and welfare, monitors all academic rules and regulations, including those related to academic integrity and grade appeals, and facilitates the operation of the Faculty Governance System of the University; The Graduate School, which is responsible for the graduate enrollment, general advisement, university fellowships, and special programs; and the Division of Undergraduate Studies, which is responsible for undergraduate advisement, retention, and special programs. Further support is given by associate vice presidents and directors, who are responsible for such academic matters as continuing education, international programs, computing and information resources, learning systems, libraries, the Office of the University Registrar, the Office of Financial Aid, and the Office of Admissions.

The Division of Finance and Administration maintains the physical plant, administers the personnel program, and receives and disburses nearly all University funds.

The Division of Student Affairs offers and coordinates programs that provide housing, career guidance, health care, recreation, child care, self-governance, and enhancement of academic skills to students. It is also responsible for programs and services for international students, disabled students, and student activities and organizations.

The Division of Research coordinates all research programs and mediates between extramural sponsors and faculty conducting research, development, and training under such sponsorship.

The Division of University Relations coordinates alumni affairs and the solicitation of external funds to support scholarships and loans for students, capital construction, excellence in academic programs, and intercollegiate athletics. University Relations also coordinates programs to improve understanding and support of University academic programs and activities through its units, including governmental relations.

University Communications reports to the Division of University Relations, and coordinates efforts to improve the public's understanding of the University's academic programs and activities through internal and external media, both print and electronic. It includes the Public Broadcast Center (public radio, public television, and public access channel), Publications and Media Relations.

The Faculty Senate is an elected representative body of faculty that establishes academic policy regarding admission and graduation of students, curricula, and academic standards, and advises and recommends about all matters affecting the academic program of the University.

Panama City Campus

In 1982, the Florida Legislature established a campus of The Florida State University at Panama City. Located a hundred miles west of Tallahassee on beautiful North Bay, the Panama City campus provides opportunities for undergraduate and graduate study in sixteen programs leading to the bachelor's degree, and eight programs leading to the master's degree.

The Panama City campus strives to offer a personalized university experience. Classes are relatively small, thereby permitting an individualized approach to instruction and facilitating interaction between students and faculty.

Colleges

The academic organization of the University comprises sixteen colleges. One of these, the College of Engineering, is a joint program of the Florida Agricultural and Mechanical University (FAMU) and The Florida State University. In addition to the associate in arts (AA) certificate, the University offers 88 authorized baccalaureate degree programs covering 221 fields, 117 authorized master's degree programs covering 243 fields, 24 authorized advanced master's and specialist degree programs covering 34 fields, 2 authorized professional degree programs covering 11 fields, and 77 authorized doctoral degree programs covering 149 fields. The following outlines the academic divisions:

College of Applied Studies

Programs: Corporate and Public Communication; Professional Communication; Public Safety and Security; Recreation, Tourism, and Events

College of Arts and Sciences

Departments: Aerospace Studies; Anthropology; Biological Science; Chemistry and Biochemistry; Classics; Computer Science; Earth, Ocean and Atmospheric Science; English; History; Mathematics; Military Science; Modern Languages and Linguistics; Philosophy; Physics; Psychology; Religion; Scientific Computing; Statistics

Interdisciplinary Programs: FSU-Teach; Geophysical Fluid Dynamics; History and Philosophy of Science; Interdisciplinary Humanities; Molecular Biophysics; Neuroscience; Women's Studies

College of Business

School: Dedman School of Hospitality

Departments: Accounting; Finance; Management; Marketing; Risk Management/Insurance, Real Estate and Legal Studies

Interdisciplinary Programs: Business Administration and Law; Business Administration and Social Work

College of Communication and Information

Schools: School of Communication; School of Communication Science and Disorders; School of Library and Information Studies

College of Criminology and Criminal Justice

Interdisciplinary Programs: Criminology and Public Administration; Criminology and Social Work

College of Education

School: School of Teacher Education

Departments: Educational Leadership and Policy Studies; Educational Psychology and Learning Systems; Sport Management

Interdisciplinary Programs: FSU-Teach; Law and Sport Management

FAMU–FSU College of Engineering

Departments: Chemical and Biomedical Engineering; Civil and Environmental Engineering; Electrical and Computer Engineering; Industrial and Manufacturing Engineering; Mechanical Engineering

The Graduate School

Interdisciplinary Programs: Materials Science and Engineering

College of Human Sciences

Departments: Family and Child Sciences; Nutrition, Food and Exercise Sciences; Retail Merchandising and Product Development

Interdisciplinary Program: Law and Family and Child Sciences

College of Law

Interdisciplinary Programs: Law and Business Administration; Law and Economics; Law and Family and Child Sciences; Law and Information Studies; Law and International Affairs; Law and Public Administration; Law and Sport Management; Law and Urban and Regional Planning; Law and Social Work

College of Medicine**College of Motion Picture Arts****College of Music****College of Nursing****College of Social Sciences and Public Policy**

School: Reubin O'D. Askew School of Public Administration and Policy

Departments: Economics; Geography; Political Science; Sociology; Urban and Regional Planning

Interdisciplinary Programs: African-American Studies; Asian Studies; Center for Demography and Population Health; Criminology and Public Administration; Economics and Law; Environmental Studies; International Affairs; International Affairs and Law; Latin American and Caribbean Studies; Program in Social Science; Public Administration and Law; Public Administration and Social Work; Public Health; Russian and East European Studies; Urban and Regional Planning and International Affairs; Urban and Regional Planning and Law; Urban and Regional Planning and Public Administration

College of Social Work

Interdisciplinary Program: Law and Social Work; Social Work and Business Administration; Social Work and Criminology; Social Work and Public Administration

College of Visual Arts, Theatre and Dance

Schools: School of Art and Design; School of Dance; School of Theatre

Departments: Art; Art Education; Art History; Interior Design

Interdisciplinary Program: Arts Administration

Institutes and Research Centers

The work of the colleges is facilitated by institutes and centers in which faculty and students from throughout the University work as interdisciplinary teams on research and service projects. The centers and institutes are heavily supported by external funds. They serve as actual and potential sites for cooperative projects staffed by faculty and students, and personnel from business and industry, and are significantly involved in supporting state agencies through research, development, and training.

The following are the Florida Board of Governors approved institutes and research centers:

Professional Development and Public Service

Center for Academic and Professional Development

The Frederick L. Jenks Center for Intensive English Studies

Learning Systems Institute

Learning Systems Institute

Institute of Science and Public Affairs

Beaches and Shores Resource Center

Center for Biomedical and Toxicological Research and Hazardous Waste Management

Center for Economic Forecasting and Analysis

Center for Higher Education Research, Teaching and Innovation (CHERTI)

Center for Information Management and Educational Services (CIMES)

Center for Prevention and Early Intervention Policy

Center for the Advancement of Human Rights

Center for the Advancement of Learning and Assessment (CALA)

Center on Better Health and Life for Underserved Populations (with the College of Human Sciences)

Florida Conflict Resolution Consortium and FCRC Consensus Center

Florida Resources and Environmental Analysis Center (FREAC)

Florida State Climate Center

Institute for Academic Leadership

Institute for Cooperative Environmental Research (ICER)

Czech/American Joint Center for Environmental Research

Hungarian/American Joint Center for Environmental Research

Polish/American Joint Center for Environmental Research

Russian/American Joint Center for Environmental Research

Institute of Science and Public Affairs (ISPA)

John Scott Dailey Florida Institute of Government

The Florida Center for Prevention Research

International Programs

Florida–Costa Rica Linkage Institute (FLORICA)

College of Applied Studies

Science, Technology, Engineering and Mathematics (STEM) Institute

College of Arts and Sciences

Antarctic Marine Geology Research Facility

Center for Humanities and Society

Center for Ocean-Atmospheric Prediction Studies (COAPS)

Center for Security and Assurance in IT (C-SAIT)

Geophysical Fluid Dynamics Institute (GFDI)

Institute for Cognitive Sciences

Institute for Fishery Resource Ecology (IFRE)

Institute of Molecular Biophysics (IMB)

Institute on Napoleon and the French Revolution

Institute on World War II and the Human Experience

Karst Environmental Center (KEC)

Middle East Studies Center

Statistical Consulting Center

Winthrop-King Institute for Contemporary French and Francophone Studies

College of Business

BB&T Center for Free Enterprise

Carl DeSantis Center for Executive Management Education

Center for Information Systems Research

Center for Insurance Research

Human Resource Management Center

International Center for Hospitality Research and Development

Jim Moran Institute for Global Entrepreneurship

Marketing Institute

Real Estate Research Center

The Florida Catastrophic Storm Risk Management Center

The Gene Taylor/ Bank of America Center for Banking and Financial Studies

The Sales Institute

College of Communication and Information

Center for Hispanic Marketing Communication

Communication and Early Childhood Research and Practice Center

Communication Research Center

FSU Project Management Center

Information Use Management and Policy Institute (Information Institute)
 Institute for Digital Information and Scientific Communication (iDigInfo)
 Institute for Intercultural Communication and Research (with Student Affairs)
 L.L. Schendel Speech and Hearing Clinic
 Partnerships Advancing Library Media (PALM) Center

College of Criminology and Criminal Justice

Center for Criminology and Public Policy Research

College of Education

Center for Physical Cultural Studies (CPCS)
 Center for the Study of Technology in Counseling and Career Development
 Hardee Center for Leadership and Values

FAMU-FSU College of Engineering

Aeropropulsion, Mechatronics and Energy (AME) Center
 Center for Intelligent Systems, Control and Robotics (CISCOR)
 Energy and Sustainability Center
 Florida Center for Advanced Aero-Propulsion Technologies (FCAAP)
 High Performance Materials Institute (HPMI)

College of Human Sciences

Center for Advancing Exercise and Nutrition Research on Aging
 Center for Couple and Family Therapy
 Center for Retail Merchandising and Product Development
 Center on Better Health and Life for Underserved Populations (with ISPA)
 Florida State University Family Institute
 Institute of Sports Sciences and Medicine (joint with the College of Medicine)

College of Law

Center for Innovative Collaboration in Medicine and Law (joint with the College of Medicine)

College of Medicine

Autism Institute
 Center for Innovative Collaboration in Medicine and Law (joint with the College of Law)
 Center for Rural Health Research and Policy
 Center for Strategic Public Health Preparedness
 Center for Universal Research to Eradicate Disease (CURED)
 Center of Excellence for Patient Safety
 Center on Global Health
 Center on Medicine and Public Health
 Institute of Sports Sciences and Medicine (joint with the College of Human Sciences)

College of Music

Center for Music of the Americas
 Center for Music Research
 Institute for Infant and Child Medical Music Therapy

College of Nursing

Tallahassee Memorial HealthCare Center for Research and Evidence Based Practice

College of Social Sciences and Public Policy

Center for Civic and Nonprofit Leadership
 Center for Demography and Population Health
 Center for the Study of Democratic Performance
 Claude Pepper Center

DeVoe L. Moore Center for the Study of Critical Issues in Economic Policy and Government
 Florida Center for Public Management
 Florida Public Affairs Center
 Gus A. Stavros Center for the Advancement of Free Enterprise and Economic Education
 LeRoy Collins Institute
 Pepper Institute on Aging and Public Policy

College of Social Work

Institute for Family Violence Studies
 Institute for Social Work Research
 Trinity Institute for the Addictions

College of Visual Arts, Theatre and Dance

Maggie Allesee National Center for Choreography

Office of the Vice President for Research

Center for Advanced Power Systems (CAPS)
 Florida Climate Institute (FCI)
 Future Fuels Institute
 Institute for Energy Systems, Economics and Sustainability (IESES)

Office of the Vice President for Student Affairs

Florida Center for Interactive Media (FCIM)

Other Research and Instructional Units

Assessment and Testing (see Office of Distance Learning)

Blackboard™ (see Office of Distance Learning)

Center for Academic and Professional Development

Director: William H. Lindner; **Associate Director:** Kerry McElroy

The Florida State University **Center for Academic and Professional Development (CAPD)** is the continuing education and academic program outreach entity for the campus and the community. Housed in the Augustus B. Turnbull III Florida State Conference Center, the experienced staff of CAPD support a variety of learning opportunities as they provide services to colleges, departments, and students on campus and online. CAPD can be reached online at <http://learningforlife.fsu.edu>.

CAPD promotes lifelong learning and personal productivity enhancement. For example:

Professional Development/Personal Enrichment. CAPD Online offers Webmaster certification and the Certificate in Financial Planning. These courses are instructor-led and offer an online interactive experience.

Face-to-Face Courses. CAPD also offers face-to-face courses, such as Test Prep Classes for the GMAT, GRE, and LSAT.

Academic Credit. CAPD provides academic credit courses, including part-time degree and certificate programs for the non-traditional student. Courses are offered on campus and at a distance. Special courses and teacher institutes are held each summer. CAPD also coordinates returning student scholarships for students twenty-three years of age or older.

CAPD continues to identify and develop new course offerings to support lifelong learners in their quest for personal enrichment and broader horizons.

The Florida State Conference Center

In December 2009, the Augustus B. Turnbull III Florida State Conference Center reopened at its 555 *West Pensacola St.* location, adjacent to FSU's five-story St. Augustine parking garage. The Conference Center is approximately 47,000 square feet, featuring a gothic brick exterior and three floors to house a large auditorium, a 336-seat dining room, eight breakout rooms, an executive boardroom, food preparation facilities, and administrative offices. It employs the latest technology, including three video walls, LCD screens and live Webcasting, in its conferencing rooms and is capable of hosting anything from small meetings to large regional conferences.

The eMedia Studio, located in the Conference Center, is a fully functional studio outfitted with industry standard equipment and capability, including:

chroma key and virtual set capture, high definition recording equipment, a full range of editing suites and various other studio capabilities such as teleprompting and Webcasting.

The Center's eMedia group can assist you with your training needs, Webcapturing your lessons, creating a custom Web page with a unique URL to link your training and/or convert your Webcaptured materials to short videos with specific learning objectives.

The Center's professional staff of meeting planners is readily available to put their expertise to work helping you organize events. For more information, please visit <http://learningforlife.fsu.edu/conference/>.

The Florida Center for Public Management

Director: Ben Green

The Florida Center for Public Management (FCPM) was established in 1978 to provide assistance to elected leaders and public managers in state and local governments in Florida. Its staff of full-time, experienced management consultants is available to help these officials improve their operations through a variety of services, including executive development seminars, organizational improvement diagnoses, leadership and staff team-building workshops, and various problem-solving techniques. FCPM efforts include the Florida Certified Public Manager Program, a nationally recognized comprehensive training and development program for public sector managers. FCPM is a part of the Askew School of Public Administration and Policy.

To obtain further information about FCPM and its services, visit <http://www.fcpm.fsu.edu> or call (850) 644-6460.

FSU Online (see Office of Distance Learning)

FSU—Panama

Rector: Carlos R. Langoni

The Florida State University's Office of International Programs administers a permanent campus of approximately four hundred full-time students in the Republic of Panama. FSU-Panama offers a full program of courses at the lower-division level leading to the associate degree, undergraduate courses leading to the baccalaureate degree in selected majors, and graduate courses leading to the master's degree in International Affairs. The campus serves U.S. citizens and residents in Panama, Panamanian citizens, and visiting scholars from throughout the world. Courses are taught by regular and adjunct faculty as well as rotating faculty from the Tallahassee campus; students from the Tallahassee campus also study at FSU-Panama, taking advantage of the resources of Panama and the ease of receiving full academic credit from the University. Internships are arranged for Tallahassee students majoring in fields ranging from biology to international business. A full range of facilities is offered at the FSU-Panama campus, including housing, an athletic complex, a library, technology-enhanced classrooms, laboratories, administrative offices, and student center. The campus is located in Clayton – the City of Knowledge – across from the Miraflores Locks of the Panama Canal and a few miles from the center of Panama City, the nation's capital.

FSU-Panama also offers additional courses and cultural activities of special interest to U.S. students who seek study-abroad opportunities, either for one semester or for a full year. For further information, please consult the campus' Web site, <http://panama.fsu.edu>, write to the International Programs office at 45500 University Center, call (850) 644-3272, or visit <http://www.international.fsu.edu>.

Institute for Cognitive Sciences

Director: Michael Kaschak

The institute was founded in 1984 for the encouragement of interdisciplinary research, communication, and graduate study in the cognitive sciences. Its members include faculty and graduate students from the fields of computer science, psychology, philosophy, linguistics, education, business, and physics. Research has involved computer modeling of memory and problem solving, artificial and computational intelligence, knowledge-based computer systems, fuzzy logic and soft computing (e.g., genetic algorithms and neural networks), computer diagnosis of novice difficulties in problem solving, similarities and differences between human and lower-animal cognition, cultural aspects of cognition and language, linguistics and cognition, formal and natural languages, philosophy of knowledge and cognition, philosophy of artificial intelligence, study of the brain, robotics, education, and vision. Recently, research into cognitive aspects of the management of technology and of the perception of its affordability/cost has been included. A specialized studies program is offered for graduate study in cognitive sciences.

John and Mable Ringling Center for Arts

The FSU/John and Mable Ringling Center for the Arts in Sarasota, Florida is unique in the world of university museums. The complex houses the John

and Mable Ringling Museum of Art, Ca' d'Zan (The Ringling Mansion), the Tibbals Learning Center, two circus museums, the Historic Asolo Theatre, and the FSU Performing Arts Center.

Learning Systems Institute

Director: Laura Lang; **Associate Director:** Rabieh Razzouk

The Learning Systems Institute (LSI) is a multi-disciplinary research and development unit dedicated to improved human performance. LSI is a recognized world leader in the improvement of teaching, learning, and performance systems in school, business, industry, and military settings. LSI has generated more than \$400 million in externally funded research over its 43-year history; for every dollar LSI receives in state funding, it attracts an additional \$8 in contracts and grants. LSI's work provides a wealth of opportunities for graduate students to gain first-hand experience with cutting-edge research. LSI faculty and students have worked in over two dozen countries around the world, in addition to leading major research and development in the United States.

LSI is organized into five centers:

- Florida Center for Reading Research (FCRR)
- Florida Center for Research in Science, Technology, Engineering, and Mathematics (FCR-STEM)
- Center for Learning and Performance Systems
- Center for International Studies in Educational Research and Development
- Partnerships Advancing Library Media (PALM Center)

LSI's learning research focuses on assessment, accommodations, and modifications for students with special needs, communities of instruction, learning technologies, international development, leadership, learning disabilities, libraries, literacy, school reform, STEM (science, technology, engineering, and math), and teaching and learning. LSI's research into human performance focuses on how people can do better at specific tasks or jobs, performance improvement, knowledge communities, and team cognition and performance.

To obtain further information about LSI, contact the *Learning Systems Institute*, 4600 UCC, Tallahassee, FL 32306-2540; or call (850) 644-2570. The institute's Web site may be accessed at <http://www.lsi.fsu.edu>.

Libraries

Dean of the University Libraries: Julia Zimmerman, 305 Strozier Library

University Libraries provides collections, resources, and services to enhance the learning, teaching, research, and service activities of Florida State University. In support of this mission, the libraries' collection is approaching three million volumes. For those researchers unable to visit the libraries, the Web site offers access, from anywhere in the world, to hundreds of databases and more than 70,000 e-journals. Materials not available online or at the libraries may be requested through interlibrary loan or through the new state-wide UBorrow system, allowing FSU faculty and students to request delivery of books from over fifteen million volumes available at all state university libraries. Library faculty also offer classes and consultations to teach critical research and thinking skills. For those researchers unable to visit the libraries, online research services are available 24/7 and library staff offer outreach to dormitories and buildings across campus.

The Florida State University Libraries include eight libraries on campus: Strozier Library, Dirac Science Library, Claude and Mildred Pepper Library, College of Music Allen Music Library, School of Library and Information Studies Goldstein Library, College of Law Research Center, College of Medicine Maguire Medical Library, and FAMU-FSU College of Engineering Library. In addition, the Special Collections and Archives division of University Libraries supports and advances research, teaching, and scholarship by acquiring, preserving, and providing access to collections of original manuscripts, rare books, and university archives for use by students, faculty, and researchers worldwide. The Claude and Mildred Pepper Library and the Heritage Protocol archives are part of University Libraries' Special Collections.

Library materials and services are also available at the FSU Panama City, Florida campus, as well as at FSU International Programs study centers in London, England; Florence, Italy; and Panama City, Republic of Panama. The John and Mable Ringling Museum of Art in Sarasota, Florida, has a library containing art-related research materials as well as a collection of rare books. The entire FSU community can search the University Libraries catalog via its Web site at <http://www.lib.fsu.edu>.

The **Robert Manning Strozier Library**, the University's main library, is located in the center of the main campus and occupies seven floors. Strozier Library is open one hundred and thirty-four hours each week during the fall and spring, providing around-the-clock research assistance and study spaces, and sees almost 1.8 million visitors each year. Its main floor is an undergraduate-focused Learning Commons, while its lower level is a gradu-

ate- and faculty-focused Scholars Commons. Strozier offers free academic tutoring and a robust range of academic support services and programming throughout the day and late into the night. Its collection includes a wide variety of research materials, primarily in the humanities and social sciences. The library serves as a regional depository for federal and Florida government documents as well as United Nations documents. In its technology labs, Strozier provides equipment, software, and facilities for listening to, viewing, creating, and editing multimedia materials. Internet-accessible computers with word-processing software, printers, and photocopiers are available throughout the library. Laptops, cameras, and other equipment are available for checkout. The Assistive Technology Lab provides adaptive equipment and software for students with disabilities.

University Libraries Special Collections and Archives has offices, an Exhibit Room, and a Reading Room in Strozier Library. Its collections comprise more than half a million items. Manuscript collections include Florida political collections, Southern business history, literary manuscripts, and local and regional Florida history. The rare books of Special Collections support a wide variety of disciplines and research interests. The collection includes books from small and private presses, first editions, limited edition works, uniform, and other items. Notable book collections include Napoleon and the French Revolution, Shaw Childhood in Poetry, William Morris Kelmscott Press, and Carothers Memorial Rare Bibles. Special Collections and Archives, which includes University Archives, Heritage Protocol, and the Claude Pepper Library, welcomes class visits and provides a hands-on learning environment for students. Heritage Protocol maintains the Norwood Reading Room on the second floor of Strozier Library, where rotating exhibits of FSU memorabilia are displayed.

The **Claude and Mildred Pepper Library**, housed on-campus in the Pepper Center, was established in 1985 as the official repository for the Pepper Collection, a unique and multi-faceted collection of over a million items by and about U.S. Congressman Claude Pepper (1900-1989), including manuscripts, photographs, audio/video recordings, and memorabilia. For more information, visit <http://claudepappercenter.fsu.edu/>.

The **Paul A. M. Dirac Science Library**, located on the west side of campus in the heart of the Science Center complex, consolidates the University libraries' scientific and technical books and periodicals in one central location. For more information, visit the library's Web site at <http://www.lib.fsu.edu/about/fsulibraries/dirac>.

The **Warren D. Allen Music Library**, one of the Southeast's major music libraries, is located in the College of Music and contains a collection of recordings, scores, books, and periodicals that support the school's curriculum. For more information, visit the library's Web site at <http://www.music.fsu.edu/Quicklinks/Music-Library>.

The **Harold Goldstein Library**, located in the *Louis Shores Building*, supports the College of Communication and Information. The collection includes materials for library science, information technology, and juvenile literature including graphic novels. For more information, visit <http://goldstein.cci.fsu.edu>.

The **College of Law Research Center** has a collection of nearly 500,000 volumes and offers an active program of legal research instruction, an experienced and helpful staff, and extensive collections of law and law-related information. Legal research is facilitated via an array of electronic databases, including the LexisNexis, WESTLAW, and Bloomberg Law legal research databases. For more information, visit the library's Web site at <http://www.law.fsu.edu/library/>.

The **College of Medicine Charlotte Edwards Maguire Medical Library** strives to cultivate physicians who are expert learners, problem solvers, and agents of change by providing a supportive environment with access to high quality, relevant, and current information from 21st century information resources. The library houses a collection of books and journals, and provides access to a number of electronic medical databases. For more information visit the library's Web site at <http://www.med.fsu.edu/library/>.

The **John and Mable Ringling Museum of Art Library** is housed on the Ringling Museum Campus in Sarasota, Florida, the largest museum/university complex in the nation. The Library contains more than 75,000 volumes, exhibition and sale catalogs, and more than one hundred current periodical titles supporting art-related research. Special collections contain circus history items including John Ringling's original collection of more than six hundred books. For more information, visit the library's Web site at <http://www.ringling.org>.

The **Florida State University-Panama City Library and Learning Center** is located in Panama City, Florida and provides computers, e-books, e-journals, and research help. Students and faculty at this location may borrow materials housed at the Tallahassee campus libraries and may access all of the electronic resources the libraries offer. The 6,000 items in its collection of printed

books and journals are available at the library of the neighboring campus of Gulf Coast State College. For more information, go to <http://pc.fsu.edu/QUICK-LINKS/Current-Students/Library-and-Learning-Center>.

The **FSU Panama Branch Library** offers services and a collection of over 45,000 items to students at the FSU branch campus in Panama City, Republic of Panama. Students and faculty at this location may borrow materials housed at the Tallahassee campus libraries and may access all of the electronic resources the libraries offer. For more information, visit <http://www.lib.fsu.edu/panama/index.html>.

L.L. Schendel Speech and Hearing Clinic

Director of Clinical Education: Lisa Scott

The dual mission of the speech and hearing clinic is to provide effective community service to improve the communication abilities of clients, and to provide a teaching and clinical research laboratory to develop exemplary assessment and treatment procedures for use by Florida State University students in speech-language pathology. Specific services include but are not limited to:

- Comprehensive speech-language assessment and intervention
- Hearing assessment, hearing aid dispensing, and other clinical services related to hearing impairment
- Assistive communication lab
- Dialect/Accent evaluation and reduction

Services are provided by graduate students under the direct supervision of faculty members. All professional staff members are licensed by the Florida Board of Speech Language Pathology and Audiology and certified by the American Speech Language Hearing Association.

Fees vary according to the nature of services. Students, faculty, and staff receive a reduced rate. Further information is available by calling: (850) 644-2238 (Voice and TDD).

Museum of Fine Arts

Located in Tallahassee, MoFA has a history of exciting projects – from lush painted to dynamic sculpture exhibitions, from challenging installations to provocative photography shows. Every season begins with an international competitive exhibition that embraces all media and every semester closes with the youth and exuberance of the graduating artist exhibitions.

The Florida State University Museum of Fine Arts is a member of Florida Association of Museums, Florida Art Museum Directors' Association, Florida Cultural Action Alliance, Southeastern Museums' Conference and is accredited by the American Association of Museums.

Naval Science

The Naval Reserve Officers Training Corps (NROTC) program at Florida Agricultural and Mechanical University (FAMU) is open to both men and women of The Florida State University through the FAMU-FSU Cooperative Program. The NROTC Program at FAMU is administered by the NROTC staff. This program affords the opportunity for selected men and women to receive instruction in naval science courses, which, in conjunction with a baccalaureate degree, will qualify them for a commission in the United States Navy or the United States Marine Corps. Students enrolled in the University who are physically qualified, and who are United States citizens, are eligible to apply for the NROTC program.

The FAMU NROTC Unit offers five programs: (1) the Navy-Marine Corps College Program (non-scholarship); (2) the four-year Navy-Marine Corps Scholarship Program; (3) the two-year NROTC College Program; (4) the two-year Scholarship Program; and (5) the Tweedale Scholarship Program. Navy-Marine Corps College Program students are eligible to compete for available Naval Education and Training Command (NETC) scholarships anytime after one semester of participation in the program. Selection is based on academic achievement and military aptitude. Scholarships include full tuition, lab fees, and a textbook allowance of \$375.00 per semester. Additionally, a stipend of \$250.00 (freshmen), \$300.00 (sophomores), \$350.00 (juniors), or \$400.00 (seniors) is paid per month to help defray the cost of living expenses. Navy-Marine Corps College Program students, when selected for advanced standing in their junior or senior year, receive a \$350.00 and \$400.00 per month stipend, respectively.

The **Tweedale NROTC Scholarship Program** was established to provide NROTC scholarships to outstanding technical major college students with no prior affiliation with the NROTC program. To qualify for a Tweedale Scholarship, students must have completed at least one, but not more than four academic terms of college coursework with a cumulative GPA that places the student above the peer mean (like major), or 3.00, whichever is higher. The student's transcript must reflect a grade of "C" or better in all coursework

attempted. The transcript must also show that the student has completed an academic term of college-level math or science and has the ability to complete successfully all of the NROTC academic requirements.

The NROTC Unit is located in the Pery-Paige Building on the FAMU campus. For additional information, visit <http://www.famu.edu/index.cfm?catalog&NavalSciences>.

Written requests for information should be addressed to: *Recruiting Officer, NROTC Unit, Florida Agricultural and Mechanical University, P.O. Box 6508, Tallahassee, FL 32314-6508*; or call either (850) 599-8412 or 599-3980; or e-mail nrotcrecl@famu.edu.

Office of Distance Learning

Director: Susann Rudasill; **Associate Director:** Jean-Marc Wise

The **Office of Distance Learning** is online at <http://distance.fsu.edu>, which provides a user-friendly interface of resources and support directed to potential and current students, instructors, and administrators.

Assessment and Testing

ODL **Assessment and Testing staff** provide a secure testing environment for a variety of examinations and for FSU courses whose classroom environments are not conducive to secure testing. Several thousand exams are proctored weekly at the *UCC 3500* facility as well as in proctored locations both on and off campus. Course evaluations are also administered through Assessment and Testing, and a range of scanning services are available for individuals and units within the University and the community at large. For guidelines, best practices, access and scheduling, select your role from the options at <http://distance.fsu.edu>. For more information, call Assessment and Testing at (850) 644-3017 or e-mail testing@campus.fsu.edu.

Blackboard Learning Management System

Blackboard™ serves as the learning management system for the FSU community accessed through <http://my.fsu.edu>. Serving over 40,000 students, Blackboard receives over 35,000 unique visitors daily. Blackboard enables technological and educational innovation at FSU by connecting people to and through instructional technology. The ODL **Blackboard development team** works with support systems and resources from multiple units around campus to integrate learning technology with other applications, ensuring a more efficient operation for all users. Communication between instructor and students is a central feature of the FSU Blackboard system, and for technical issues, assistance is always available through the **Blackboard User Support** tab and the FSU help-desk system. Visit the Support tab within Blackboard for answers to frequently asked questions, news, resources, and technical help. For more information, call FSU's Blackboard User Support at (850) 644-8004 or e-mail help@campus.fsu.edu.

Online Course Development and Faculty Support

ODL provides a suite of services for developing, marketing, deploying and maintaining online academic courses and degree programs. The ODL **instructional development faculty** provide guidance in instructional design, pedagogy, technologies, and media selection for online delivery with the support of **instructional media development** services. Online courses in development undergo rigorous quality assessment by ODL faculty and the departments they serve. ODL provides training on the use of Blackboard as well as best practices in teaching online for instructors, teaching assistants, and course mentors. The Faculty Development Lab provides hardware and software for instructors to develop media for online courses using supported technologies with guidance and direction from **instructional technologists**. For more information, call (850) 644-4635 and ask for an instructional development faculty member for assistance with the entire distance learning application and approval process.

Administrative Support

Fiscal and HR staff provide guidance to departments for auxiliary account management and distance learning appointments. Departments typically apply for distance learning auxiliary accounts to manage the supplemental fees associated with the cost of their distance learning offerings. Visit <http://distance.fsu.edu> and select the role of *Administrator* and *Office of Distance Learning Administration* for distance learning policy and the ODL Strategic Plan, as well as distance learning fee development training, budget templates and the steps of the approval process. For more information, call (850) 645-9917 for fiscal and (850) 644-7531 for HR assistance.

Online Programs and Student Support

FSU online programs are designed and built from the ground up by the same noted professors that teach the courses on the main campus. Transcripts and diplomas granted by FSU show no distinction between online and on-campus students. A wide variety of undergraduate, graduate degree, and certificate programs and courses are offered online at FSU, including: Blended Online Learning and Teaching

Business Administration
Coaching
Communication Disorders
Computer Science
Criminology
Educational Leadership
(Modified Program in) Educational Leadership Administration
Emergency Management
Event Management
Geographic Information Systems
Human Performance Technology
Information Architecture
Institutional Research
Instructional Systems
Interdisciplinary Social Sciences
Leadership and Management
Leadership in Executive and Administrative Development
Library and Information Studies
Management Information Systems
Multicultural Marketing
Nursing Leadership
Nursing Education
Online Instructional Development
Project Management
Public Safety and Security
Reference Services
Risk Management and Insurance
Sales Management
School Library Media Leadership
Social Work
Special Education
Youth Services

ODL **Academic Program Specialists** lend support to off-campus learners from the prospective student's initial inquiry through their final semester. Visit the ODL Web site at <http://distance.fsu.edu> and select the *Student* role for initial ongoing program inquiries. For more information, call (850) 644-4635 and ask for an Academic Program Specialist or e-mail inquiries@campus.fsu.edu.

Reserve Officers Training Corps

The University includes among its offerings both an Air Force and an Army Reserve Officer Training Corps (ROTC) program; students of The Florida State University may apply for admission to the Navy ROTC Program offered through Florida Agricultural and Mechanical University. Interested male or female freshmen and sophomores are encouraged to enroll and apply for a Navy or Marine Corps scholarship. Naval Science classes are listed in the *FAMU General Catalog* under "Division of Naval Sciences." The Air Force ROTC program is offered to students at FSU, FAMU, TCC, and Embry-Riddle Aeronautical University extension campus at TCC. The classes are listed in this *General Bulletin* under "Aerospace Studies." For additional information, visit our Web site at <http://www.fsu.edu/~rotc>, call (850) 644-3461, or stop by 212 *Harpe-Johnson Hall*. The Army ROTC Program is offered to FSU and TCC students. The classes are listed in this *General Bulletin* under "Military Science." For additional information, visit our Web site at <http://www.fsu.edu/~armyrotc/>, call (850) 644-8806, or visit in person at 201 *Harpe-Johnson Hall*.

Seminole Productions

FSU's professional video production unit, housed in the College of Communication and Information. Seminole Productions provides a variety of services to university departments. One major client is the Florida State athletic department. Seminole Productions produces over one hundred and twenty live events and over one hundred and ten television shows each and every year for athletics alone. In addition, Seminole Productions is also contracted by ESPN and Fox Sports to produce numerous live events and special television programming for their networks. Seminole Productions is also leading the way in Stereoscopic (3D) production and programming. Mark Rodin and his staff have been working in stereoscopic technology for close to ten years, outpacing universities across the nation in this medium. So whether it is working on live events, television shows, in pre- or post-production, graphics and animation, or even 3D stereoscopic production, students have numerous opportunities to become involved in Seminole Productions.

Undergraduate Education

The Florida State University provides a strong liberal arts baccalaureate experience. The University is a concentrated resource of classroom-directed learning, research facilities, and intellectual talent that seeks to develop within each student the ability to view problems from many different perspectives and to find creative and humane solutions. Through the Liberal Studies Program, required of all undergraduates, students are introduced to the broad array of disciplines at the University. The freshman and sophomore years enable students to explore the breadth of the curriculum and to find the degree program most appropriate to their interests and abilities. The Florida State University strives to teach students to think logically and critically, to analyze clearly, and to communicate with precision and power.

Graduate Education (see *Graduate Bulletin* for details)

Emphasis at The Florida State University is placed upon advanced degree programs entailing extensive research activities and preparation for careers in science, the arts, the humanities, the professions, and technological fields. The University's diverse curriculum leads to graduate degrees with flexible options allowing students to form the program most suited to their academic and career goals. Talented faculty ensure a steady exchange of ideas, information, and technical skills. Research and teaching assistantships and fellowships are available to allow graduate students the opportunity to work with these leaders in their fields while furthering their education. The exceptional research facilities available, together with the Robert Manning Strozier Library, its eight branch libraries including the Paul A.M. Dirac Science Center Library, and the Law Library, keep the University on the leading edge of graduate education.

Faculties

It is the official policy of The Florida State University to recruit the most talented faculty from leading centers of learning throughout the world. The University faculty has included six Nobel laureates, nineteen members of National and Foreign Academies, two Pulitzer Prize winners, and twenty-three recipients of a Guggenheim. Many of its members have received national and international recognition, and the University enjoys national ranking in a number of disciplines. The diversity and quality of the educational backgrounds of the faculty are reflected in the institutions that have granted their graduate degrees. A listing of distinguished faculty appears in this *General Bulletin*.

Affiliations

The University participates in the Traveling Scholar Program (for graduate students), Academic Common Market, and Cooperative Programs within the State of Florida, Division of Colleges and Universities. The Florida State University is a member of the University Research Association; the Oak Ridge Associated Universities, Inc.; The University Corporation for Atmospheric Research; The Southeastern Universities Research Association; EDUCOM: The Interuniversity Communications Council; the American Association for Laboratory Animal Science; ALA: the American Library Association; the State University System's Institute for Oceanography; the University Space Research Association; and CAUSE: The Association for the Management of Information Technology in Higher Education.

Accreditation

The Florida State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate, baccalaureate, masters, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097; or call (404) 679-4500 for questions about the accreditation of The Florida State University. The Commission on Colleges is to be contacted *only* if there is evidence that appears to support the university's significant noncompliance with a requirement or standard.

For departmental/field accreditations, refer to the respective college or school's chapter in this *General Bulletin*.

Carnegie Foundation Classification

In its 2010 report, The Carnegie Foundation classified The Florida State University in the Research Universities—Very High Research Activity category, its highest category for a graduate-research university. The Florida State University is one of one hundred and eight American universities to have earned this designation at that time. In addition, the 2010 report selected The Florida State University for the Community Engagement Classification. This competitive designation recognizes Florida State's commitment to exemplary institutional practices of engagement within its local, state, and global community.

ADMISSIONS

Director of Admissions: Janice Finney

Senior Associate Director: Hege Ferguson

Associate Directors: Donna Bostwick, Amelia Mann, Leah Paul

Assistant Directors: Melanie Booker, Lori Hamilton, Mark Meleney, Mike Sklens, Josh Stanek, Kevin Taylor

Panama City Campus Associate Director: Andrew Konapelsky

General Information

Florida State University encourages applications for admission from qualified students regardless of race, creed, color, sex, religion, national origin, age, disability, veteran or marital status, sexual orientation, gender identity, gender expression, or any other protected group status in accordance with all pertinent federal, state, and local laws on non-discrimination and equal opportunity. Admission of students to Florida State University is within the jurisdiction of the University, but subject to minimum standards adopted by the Florida Board of Governors. The admission requirements stated below are minimum requirements, and satisfaction of these requirements does not guarantee admission to Florida State University. Admission shall be on a competitive basis within curricular, spatial, and fiscal limitations.

The application for admission is available online at <http://admissions.fsu.edu>. When applying for admission, the Federal Privacy Act of 1974 allows colleges and universities to require the disclosure of social security numbers for the purpose of identification and verification of student records, including registration, financial aid, and academic records, and for verification of identity in connection with the provisions of its services. The University does not use social security numbers for student identification; instead, the University assigns a Florida State University student identification number (EMPLID).

The Office of Admissions operates on a scheduled notification system for beginning freshmen and a modified rolling cycle for transfers. An application cannot be submitted earlier than one year prior to the term for which admission is desired. In addition, the University reserves the right to close admission earlier than the published deadline(s), and/or increase requirements, if warranted by enrollment limitations and the number and quality of applications.

The Office of Admissions will post all decisions electronically on the Online Status Check (OSC), an applicant's private account created at the time of application. Admission is for a specific term, and if the student is unable to enroll for the term indicated on the OSC, the Office of Admissions should be notified immediately. A change in term will result in a reevaluation of the application. The applicant should not assume that admission will automatically be granted.

The University reserves the right to request an evaluation of any international academic document. (For transfer credit, an official course-by-course evaluation is required.) We recommend this evaluation be done by a member of the National Association of Credential Evaluation Services or the International Education Credential Services provided by the American Association of Collegiate Registrars and Admissions Officers.

Offers of admission to the University are often contingent upon the subsequent receipt of official college, university, and/or high school transcripts indicating successful performance and verification of high school graduation. Poor performance and/or failure to meet the stipulated conditions of admission can result in the offer of admission being rescinded. Failure to submit such documents before enrollment can result in the cancellation of admission and registration.

Undergraduate applicants who are denied admission to the University may appeal the admission decision if they have evidence that, due to extenuating circumstances or prior unrevealed information, the admission decision rendered was inequitable. Applicants are requested to appeal in writing to the Admissions Committee through the Director of Admissions.

An application or residency statement submitted by or on behalf of a student that contains false, fraudulent, or incomplete statements may result in denial of admission or denial of further registration and/or invalidation of Florida State University credit and related degrees.

Prior to registering for classes, accepted students must be health compliant. For information regarding this requirement, refer to <http://www.uhs.fsu.edu>. Florida State University reserves the right to cancel the admission of an applicant whose health record indicates the existence of a condition that may be harmful to members of the University community.

Admission from Secondary School

An applicant who desires admission as a beginning freshman student after graduating from a regionally accredited high school (or comparable international institution) and before attending an accredited post-secondary institution must provide the Office of Admissions with the following:

Application for Admission. The completed application for admission and a nonrefundable \$30.00 processing fee should be submitted as soon as possible at the beginning of the senior year. The preferred method of payment is online at <http://fees.fsu.edu>. If payment is by check or money order, it must be made payable to Florida State University and drawn on a U.S. bank. The application will not be processed without this fee, and there are no provisions to waive or postpone it unless the applicant can document receipt of a fee waiver from the American College Testing (ACT) Program or College Board (SAT).

Secondary School Record. An official high school transcript (sent directly by the high school to the Office of Admissions) reflecting all attempted high school credit is required. The transcript should include high school credits earned before the 9th grade, as well as the 9th grade through whatever portion of the 12th grade has been completed at the time of application.

College Transcripts. Students who have registered for coursework at a college or university through dual enrollment or non-degree status must submit an official transcript from that post-secondary institution. Transcripts are considered official when they are sent directly from the college or university to the Office of Admissions and contain an official seal and/or signature. Transcripts bearing the statement "Issued to Student," notarized transcripts, or transcripts submitted by the applicant are not considered official. [An official course-by-course evaluation is required of all academic records from non-U.S. institutions. Refer to "Transfer Credit" in the "International Student Admission" section of this chapter for details.]

Test Scores. Official results from the ACT or SAT are required of all applicants for freshman admission. Applicants planning to take the ACT must also take the ACT Writing Test. Either one or both of these tests should be taken no later than the February testing date of the senior year. Since the highest combination of scores is always considered, students should feel free to repeat a test.

Letters of recommendation are not required and will not be used in the decision-making process. Applicants denied admission to the University may submit letters of recommendation and other information to support their appeal.

Auditions

Auditions are required of all applicants planning to major in music, dance, or the bachelor of fine arts (BFA) degree program in theatre. In addition to submitting the University application for admission and other supporting information, prospective students should visit the Web sites for the College of Music (<http://www.music.fsu.edu>) or the College of Visual Arts, Theatre, and Dance (<http://cvatd.fsu.edu>) for details.

Departmental Application

A departmental application is required of all applicants planning to major in animation and digital arts; motion picture arts - production; or the Bachelor of Arts (BA) degree program in theatre. In addition to submitting the University application for admission and other supporting information, prospective students should visit the Web sites for the College of Motion Picture Arts (<http://film.fsu.edu>) or the College of Visual Arts, Theatre, and Dance (<http://cvatd.fsu.edu>) for details.

College of Nursing

Effective Fall 2011, the College of Nursing transitioned to freshman admissions for its Bachelor of Science in Nursing (BSN) traditional program. To be considered for the Nursing Freshman Admission program, students must apply to the University and indicate nursing as their major. Prospective students should visit the nursing Web site at <http://nursing.fsu.edu> for additional information.

Deadlines for Applications and Supporting Documents for Secondary School Applicants

There are two notification dates for freshmen applying for either the 2014 Summer or Fall term.

Applications and all supporting documents received by:	Decision by:
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October 16	December 16
January 15	March 19

All information used to make an admission decision must be received by one of the published deadlines. The University does not ordinarily accept freshman applications for the Spring term.

Admission Requirements

Academic Qualifications

Most students accepted to the University present at least a 3.7 grade point average (GPA) in all academic subjects (grades 9 through 12) and test scores of at least 26 (composite) on the ACT or 1740 (total) on the SAT. In addition to academic GPA and test scores, a variety of additional factors are considered. These include an essay, the pattern and quality of courses and curriculum, grade trends, minimum subscores on the ACT or SAT, and educational objectives. Applicants who bring other important attributes to the University community may also receive additional consideration. These applicants include first generation and low socioeconomic students applying to CARE, visual and performing artists, and skilled athletes.

For students taking dual enrollment classes either in high school or at the college/university, their college career has begun. A separate review will occur, looking only at the types of college classes taken and the grades earned. Any grade below “C” (2.0) is cause for concern, and could prevent the applicant from being admitted to the University.

Required High School Course Units

Specific high school course units are required for admission to the freshman class. An academic unit is the equivalent of a year-long course that is not remedial in nature. Upon graduation from high school, applicants must have earned four units of English (at least three with substantial writing requirements); four units of mathematics (algebra I level and higher); three units of natural science (at least two with laboratory); three units of social science (includes history, civics, political science, economics, sociology, psychology, and geography); two sequential units of the same foreign language; and two elective units (preferably from the English, mathematics, natural science, social science, or foreign language areas). The units listed above represent the minimum required for admission consideration but do not guarantee admission. Most students accepted to the University exceed the minimums.

Calculation of High School Academic GPA

The Office of Admissions recalculates all grade point averages. We do not use the GPAs listed on the high school transcript or report card. Only academic core subjects will be used in the recalculation. Grades of “C–” or better in dual enrollment, AICE, AP, and IB coursework will be weighted and receive one full bonus point in the recalculation; grades of “C–” or better in honors, pre-AICE, pre-AP, and pre-IB coursework will receive one half bonus point. For repeated courses, we will only forgive a low grade if the exact course has been repeated (i.e. Algebra I will not replace an Algebra I honors grade; if the courses are not the same, both grades will be used in the recalculation).

ACT/SAT Information

Applicants should take both the ACT and SAT since Florida State University uses only the highest composite or total score for admission and scholarship purposes. Applicants planning to take the ACT must also take the ACT Writing Test. They should also take each exam more than once since the highest subscores are used to create the ACT composite and SAT total. In addition to the overall composite on the ACT or total score on the SAT, the following minimum subscores are required: **Writing:** 21 on the ACT English and English/writing or 500 on the SAT writing; **Math:** 21 on the ACT math or 500 on the SAT math; and **Reading:** 22 on the ACT reading or 500 on the SAT critical reading. These subscores represent the minimums required for admission consideration but do not guarantee admission.

High School Students Earning the Associate in Arts (AA) Degree

Applicants to Florida State University who are graduating from high school and earning the AA degree simultaneously must meet freshman requirements for admission and be approved by the academic program to which they are applying. All majors have individual milestones (prerequisite college courses and/or specific college grade point averages) that must be met. In addition, some majors require auditions, departmental applications, portfolios, or other information for consideration. Refer to the “Academic Departments and Programs” section of this *General Bulletin* or <http://www.academic-guide.fsu.edu> for details.

Homeschooled and GED Information

Florida State University will consider applications from students who are educated through a homeschooled program who meet the above criteria for admission. The homeschooled transcript should include a list of all coursework (both completed and in progress), showing final grades and units earned for each course completed. A brief description of each course taken or planning to take (with information regarding the teaching materials - including the title and author of all textbooks, DVDs, and other teaching materials utilized) and the methods used for evaluation should accompany the homeschooled transcript. If homeschooled applicants previously attended another school, or have completed courses through a virtual school or dual enrollment at a local college or university, official transcripts are required, and those courses should also be reflected on the homeschooled transcript.

Applicants who present a GED will also be considered for admission. Official GED results, an official high school transcript through whatever portion of high school was completed, and ACT and/or SAT results must be submitted.

Center for Academic Retention and Enhancement (CARE)

Through the Center for Academic Retention and Enhancement (CARE), the University offers a special admission program dedicated to assisting students who are the first generation in their family to attend college and who are socio-economically disadvantaged. CARE provides a comprehensive program of orientation and academic support designed to ease the transition from high school to college, and to build a strong academic foundation. Students admitted to the University through CARE will begin their studies in the summer. Interested students should submit the application for admission to the University, a supplemental CARE Summer Bridge Application, a short essay describing why they want to participate in CARE, the Free Application for Federal Student Aid (FAFSA), and tax information. The minimum requirements for consideration include a 2.8 academic GPA as recalculated by the Office of Admissions and either an ACT composite score of 19 or SAT total score of 1330. Meeting the minimum requirements does not guarantee admission to the program. Students with grade point averages below 3.0 must also meet the following minimum subscores:

- SAT critical reading \geq 460 or ACT reading \geq 19
- SAT math \geq 460 or ACT math \geq 19
- SAT writing \geq 440 or ACT English/writing \geq 18

Freshman Scholarships

All freshman applicants who are admitted to the University are automatically considered for merit-based scholarships. Recipients are selected based upon high school grades and test scores. Because scholarships are limited, students with strong academic records should apply to the University by the first notification deadline.

Early Admission

Florida State University provides outstanding high school students with an opportunity for early entry into the University. The following guidelines are used to consider these students: (1) sufficient maturity as evidenced by age at the time of admission and/or written recommendations pointing out the candidate’s maturity; (2) a 3.9 or better weighted high school GPA in the academic subjects; (3) a minimum composite score of 28 on the ACT or total score of 1860 on the SAT; (4) sufficient strength in the academic units; (5) evidence of a lack of curricular opportunity in the existing high school setting; and (6) three letters of recommendation, one of which must be from the high school principal or a representative of the principal.

Freshman Admission Deposit

All freshman applicants who are admitted to the University are required to submit a \$200.00 nonrefundable admission deposit by May 1 to secure a place in the freshman class. Upon enrollment, the deposit will be applied toward the student’s tuition.

Admission by Transfer

Applicants are considered transfer students if they have earned twelve or more semester hours of college credit from a regionally accredited college or university (or comparable international institution) as evaluated by the Office of Admissions after graduation from high school. Applicants desiring admission by transfer must provide the Office of Admissions with the following:

Application for Admission. The completed application for admission and a nonrefundable \$30.00 processing fee should be submitted six to nine months

prior to the proposed term of enrollment. The preferred method of payment is online at <http://fees.fsu.edu>. If payment is by check or money order, it must be made payable to Florida State University and drawn on a U.S. bank. The application will not be processed without this fee, and there are no provisions to have it waived or postponed.

College Transcripts. Official transcripts from **each** college and university attended must be submitted to the Office of Admissions. Transfer credit posted on the record of another institution is not accepted in lieu of submitting the official transcript from the original institution. Transcripts are considered official when they are sent directly from the college or university to the Office of Admissions and contain an official seal and/or signature. Transcripts bearing the statement “Issued to Student,” notarized transcripts, or transcripts submitted by the applicant are not considered official. [An official course-by-course evaluation is required of all academic records from non-U.S. institutions. Refer to ‘Transfer Credit’ in the “International Student Admission” section of this chapter for details.]

Secondary School Record. An official high school transcript is required of all transfer applicants. The transcript must reflect all attempted high school credits and the date of graduation.

Test Scores. Official results from the ACT or SAT are required of all freshman/sophomore-level applicants. Applicants submitting the ACT must also provide the ACT Writing Test. It is recommended that junior and senior transfer applicants also submit test scores.

Exam Results. All AICE, AP, IB, and/or CLEP results should be submitted if college credit has been earned. Refer to the tables at the end of the “Academic Regulations and Procedures” chapter in this *General Bulletin* for required scores and course equivalents for which credit is granted.

Deadlines for Applications and Supporting Documents for Transfer Students*

Spring term	November 1
Summer term	March 1
Fall term	July 1

*Some departments may have earlier deadlines than those established by the University, or may admit only for a specific term. If the University deadline falls on a weekend, applicants have until the following Monday to submit applications and all supporting documents.

General Admission Requirements

Foreign Language Admission Requirement

All transfer applicants must have satisfied the state of Florida’s foreign language admission requirement by having earned two sequential units of the same foreign language or American Sign Language in high school or eight semester hours of one foreign language or American Sign Language in college (or documented equivalent proficiency).

College Level Proficiency Skills in Reading, Writing, and Mathematics

All transfer applicants must have demonstrated college-level proficiency in reading, writing, and mathematics prior to being considered for admission. This can be achieved by having a minimum cumulative 2.0 GPA in six semester hours of approved college-level English composition and a minimum cumulative 2.0 GPA in six semester hours of approved college-level mathematics with no grade below “C-,” or by having the appropriate subscores on the ACT and/or SAT. The appropriate subscores can be found in the “ACT/SAT Information” section of this chapter.

Associate in Arts (AA) Diploma

Applicants who have received an Associate in Arts (AA) degree from a Florida public institution immediately prior to transfer will receive priority consideration for admission, provided an application and all supporting documents have been received by the deadline.

Junior/Senior-Level Applicants

Junior and senior applicants (sixty or more semester hours of transferable credit as determined by the Office of Admissions) must:

- Have at least a 3.0 (on a 4.0 scale) cumulative GPA on all college work attempted.
- Have at least a 3.0 (on a 4.0 scale) GPA on all college work attempted at the last institution.

Freshman/Sophomore-Level Applicants

Freshman and sophomore applicants (twelve to fifty-nine semester hours of transferable credit as determined by the Office of Admissions) must:

- Meet Florida State University’s freshman criteria (refer to ‘Admission Requirements’ in the “Admission from Secondary School” section of this chapter).
- Have at least a 3.0 (on a 4.0 scale) cumulative GPA on all college work attempted.
- Have at least a 3.0 (on a 4.0 scale) GPA on all college work attempted at the last institution.

Major Requirements

All transfer applicants must meet requirements for admission to the University and to the major/program of interest. For information about the major/program of interest, refer to the “Academic Departments and Programs” section of this *General Bulletin* or <http://www.academic-guide.fsu.edu> for more details.

Excess Credit Hour Surcharge

In 2009, the Florida Legislature implemented a new law (Section 1009.286, FS) to encourage students who enroll in a state university to complete the baccalaureate degree program as quickly and efficiently as possible. It established what is commonly referred to as an “Excess Credit Hour Surcharge” by charging an additional student payment to those students who do not complete the baccalaureate degree in a timely fashion. Accelerated coursework (AICE, AP, IB, CLEP, and dual enrollment) taken while in high school will not be considered in this hour count. To learn more about this surcharge, refer to http://registrar.fsu.edu/excess_hours.

Educator Preparation Programs

All students planning to pursue a teacher education program at Florida State University must be formally admitted to Teacher Education. Admission to Teacher Education is administered by the Dean of the College of Education and assigned to the Office of Academic Services and Intern Support, 2301 Stone Building.

Note: Application for admission to Teacher Education is distinct from admission to an upper-division college or program and is a required step for graduation and certification.

Professional Behaviors and Dispositions: While enrolled in teacher education programs, the student is expected to demonstrate behaviors and dispositions that conform to the “Code of Ethics” (State Board of Education Rule 6B-1.00, FAC) and the “Principles of Professional Conduct in Florida” (State Board of Education Rule 6B-1.006, FAC). The programs reserve the right to refuse or discontinue enrollment of any student who violates these expectations or in the judgment of a majority of the program faculty does not meet the program standards.

Section 1004.04, Florida Statutes, *Public Accountability and State Approval for Teacher Preparation Programs*, State Board of Education Rules 6A-4.0021 and 6A-5.066, and the Florida State University Council on Teacher Education require that all students seeking admission to undergraduate teacher education programs at Florida State University meet the following requirements **prior** to entering the program:

1. Have at least a 2.5 (on a 4.0 scale) GPA on all college work attempted; and
2. Have a grade of “C-” or better in each required general education English and general education mathematics course; and
3. Take and achieve a passing score on all sections of the General Knowledge portion of the Florida Teacher Certification Examination.

Note: There is no minimum composite/total score on the ACT or SAT for admission to Teacher Education. However, programs with limited enrollment status may require submission of these scores and may use them as criteria for determining which students will be admitted.

Prior to entry into the degree program (upper division), students must have completed the state of Florida Common Course Prerequisites, which include: a) three education core courses of EDF 1005, EDF 2085, and EME 2040; and, b) up to fifteen semester hours of general program prerequisites specified by each degree program (see degree program sections for specific prerequisites). FSU-Teach majors entering science or mathematics teacher preparation programs are exempt from the nine-hour Education Common Course Prerequisite requirement.

Per policy adopted by the Florida State University Professional Education Advisory Council, students seeking readmission to a teacher education program shall be responsible for meeting the most current course, clinical, and

certification requirements set out by that program; readmitted students in these programs will not be ‘grandfathered’ under the teacher education requirements in effect at the time of original admission to the major.

Common prerequisites and admission criteria for state-approved teacher preparation programs are subject to revision based on changes in Section 1004.04, Florida Statutes, Public Accountability and State Approval for Teacher Preparation Programs, State Board of Education Rule 6A-4.0021, Florida Teacher Certification Examinations, and State Board of Education Rule 6A-5.066, Approval of Educator Preparation Programs.

Limited-Access Programs

A limited-access program utilizes selective admission to limit program enrollment. Limited access status is justified when student demand exceeds available resources (student/faculty ratios, instructional facilities, equipment, or specific accrediting requirements). Criteria for selective admission include indicators of ability, performance, creativity, or talent to complete required work within the program. Admission to such programs is governed by the Articulation Agreement and by the State Board of Education administrative rules.

For a number of degree programs, access is limited at the upper-division level to those students meeting certain additional criteria. These additional criteria are applied equally to AA degree transfers from Florida public institutions and rising juniors at Florida State University.

Limited-access programs are offered by a number of different colleges. For specific requirements for admission to a particular department or college, refer to the appropriate section of this *General Bulletin*.

Limited Access Degree Programs at Florida State University Include:

- Accounting
- Athletic Training
- Business Administration
- Communication
- Communication Science and Disorders
- Dance
- Dietetics
- Early Childhood Education
- Economics
- Elementary Education
- Finance
- Hospitality Management
- Interior Design
- Management
- Management Information Systems
- Marketing
- Motion Picture Arts
- Music Education
- Music, Liberal Arts
- Music Performance
- Music Theory and Composition
- Music Therapy
- Nursing
- Psychology
- Real Estate
- Risk Management/Insurance
- Social Work
- Special Education
- Sport Management
- Studio Art, Bachelor of Fine Arts in
- Theatre
- Visual Disabilities

Transfer Scholarships

Associate in Arts (AA) degree recipients from Florida public colleges who enroll directly at the University and who display high academic achievement are automatically considered for academic scholarships on a competitive basis by Florida State University.

International Student Admission

Applicants to Florida State University are considered international if they are not U.S. citizens, dual citizens, or Permanent Residents. The admission requirements and deadlines for international applicants can be found at the beginning of this chapter under “Admission from Secondary School” for freshmen and “Admission by Transfer” for transfers. In addition, international applicants must provide the Office of Admissions with the following:

Academic Records. Official or certified copies of all academic records and/or examination results from **every** institution attended are required. Records are considered official only when sent directly from the issuing institution, and must bear the original seal of the institution or the original signature of the institution’s records official. All documents must be issued in the native language and be accompanied by certified English translations. Certified documents should be true copies that are signed and dated by an educational official familiar with academic records. Documents signed by a notary or other public official with no educational affiliation will not be accepted.

English Proficiency Test. If an applicant’s native language is not English, the applicant must submit a minimum score of 550 on the paper-based or 80 on the Internet-based Test of English as a Foreign Language (TOEFL) or 6.5 on the International English Language Testing System (IELTS) or 77 on the Michigan English Language Assessment Battery (MELAB). Score reports are considered official only when they are sent directly to the Office of Admissions from the testing agency, and are not valid after two years.

Transfer Credit. An official course-by-course evaluation is required of all academic records from non-U.S. institutions. We recommend the evaluation be done by a member of the National Association of Credential Evaluation Services (<http://www.naces.org>) or the International Education Credential Services provided by the American Association of Collegiate Registrars and Admissions Officers (<http://ies.aacrao.org>).

Certification of Finances. The Certification of Financial Responsibility (CFR) must be completed before the Certificate of Eligibility (Form I-20 or DS-2019) is issued. The I-20 and DS-2019 are immigration forms presented to the United States Embassy/Consulate in order to obtain a U.S. Student Visa. The University is required by immigration authorities to verify the financial resources of each applicant prior to issuing the Form I-20 or DS-2019; therefore, it is important that the applicant knows the costs of attending the University and has the necessary funds. More information on the CFR is available at <http://www.cge.fsu.edu>.

Notice of Admission

Formal notification of admission to Florida State University comes from the Office of Admissions and is for a **specific** term. The Center for Global Engagement will process the appropriate immigration form (Form I-20 or DS-2019) necessary to obtain the student’s visa when formal admission is granted and all required financial documentation is received.

If the student is unable to enroll for the term indicated on the Online Status Check, the Office of Admissions should be informed immediately. If the student wishes to be reconsidered for a different term, the Office of Admissions must be advised.

Finances

Before a United States Consul will grant a visa, international applicants must prove that they will have sufficient funding to meet all of their expenses while studying in the United States. Applicants must explain the source of funds noted on their I-20 or DS-2019 form and guarantee that they will receive funding for the duration of the program.

If the student’s government limits the amount of money that can be sent to students in the United States, the applicant should make sure that sufficient funds will be available to cover all costs while at the University. When applicants leave their country, they must have enough money to pay for travel expenses to the University, fees for the entire term, living expenses until more money arrives, and the return fare to their home country. If the applicant’s government requires verification of enrollment before money can be forwarded, the student may request verification from the Office of the University Registrar after registration is completed at the University.

A number of international students arrive at the University without being aware of the amount of money they will need. On-campus employment opportunities are limited, and most international students are not permitted to work off campus except under special circumstances. Students should have access to approximately half of the estimated total yearly amount at the beginning of each semester, since University fees must be paid upon registration at the start of each term. Students should also be prepared for initial expenses such as housing deposits, insurance, utilities, etc. The most up-to-date cost estimates for international students can be found at <http://cge.fsu.edu/newstudents/cfr.cfm>. These estimates are for unmarried students with no dependents. Additional funds must be included for spouse and/or family.

Passports and Visas

International applicants need a current passport from their own government and a visa from the United States Embassy/Consulate to enter the United States. Applicants should apply for a passport as soon as possible, although in some countries it will be necessary to provide proof of admission to a school in the U.S. before a passport is granted.

Students already in possession of a passport must make sure it will remain valid for six months from the date they plan to enter the United States. It would also be prudent for students to check with the Embassy or Consulate of their native country to find out how passports are renewed while in the U.S. In some cases, students may need to get an extension of validity from their home country.

If students are coming to the University specifically for the purpose of studying, they need to apply for a Student Visa (F-1 or J-1). It is granted upon presentation of a Certificate of Eligibility (Form I-20 for the F-1 visa and Form DS-2019 for the J-1 visa that is typically granted to government-funded students) and proof that sufficient financial support to cover all expenses for the entire period of study in the U.S. is available. Undergraduate students holding F-1 or J-1 visas are required to carry at least twelve semester hours each semester.

Center for Global Engagement

The Center for Global Engagement (CGE) provides immigration advising and support services to international students. Upon arrival at Florida State University, international students must immediately check in with the CGE. An orientation for new international students is required. In addition to the International Student Orientation, all new freshman and transfer (undergraduate) degree-seeking students must attend an orientation session through the Office of New Student and Family Programs.

Health Insurance Requirement

University Health Services provides outpatient care. Because students are likely to incur costs for medical care beyond that provided through outpatient services, adequate health insurance coverage must be obtained before they will be permitted to register for classes or to continue enrollment. In addition, international students with “J” visa status who will be accompanied by dependents are required by federal regulations to purchase health insurance coverage for them. For more information regarding the health insurance requirement, refer to <http://www.uhs.fsu.edu>.

International applicants are **required** to complete and submit a health history form that describes previous illnesses and/or surgery. If students have had tuberculosis (or scars appearing on chest X-rays) or other serious infectious diseases, they must have a thorough medical examination before coming to the University, and must bring these reports to campus. International applicants must be immunized according to state of Florida requirements, and must show proof of such immunization prior to registration. Students will not be allowed to enroll until they have submitted the health history form and have purchased insurance or provided proof of health insurance that meets the minimum coverage required by the state of Florida.

Center for Intensive English Studies

English is the language of instruction and communication at the University. International applicants who lack sufficient English language preparation must correct this deficiency before being admitted to the University. Students may do this in their home country or in the United States at a school that offers an intensive English language program. Florida State University offers such a program through the Frederick L. Jenks Center for Intensive English Studies. Detailed information on the Center may be obtained at <http://www.cies.fsu.edu>.

Admission to the Frederick L. Jenks Center for Intensive English Studies does not guarantee admission to Florida State University after the successful completion of English studies.

Admission to Graduate Study

Admission to graduate study involves admission to the department or college in which the applicant expects to study; therefore, final admission to the University is subject to approval by the specific program. While there are minimum University admission requirements, the departments can, and frequently do, set admission standards higher than these minimums. The student should determine departmental requirements first and then determine the University admission requirements. Consult the *Graduate Bulletin* for complete details.

Admission to the Panama City Campus

Undergraduate students who are interested in attending the Panama City campus should request information from the *Panama City Office of Admissions*

and Records, Florida State University, 4750 Collegiate Drive, Panama City, FL 32405-1099, or apply online at <http://www.pc.fsu.edu>. The same policies, procedures, and requirements that pertain to transfer students at the Tallahassee campus apply to the Panama City campus, except the following:

- The required \$30.00 application fee can be paid online immediately following the submission of the application, or by check or money order sent to the Panama City Office of Admissions and Records at the address listed above. Checks or money orders must be drawn on a U.S. bank and be made payable to Florida State University.
- All transcripts, test scores, and other admission documents must be submitted to the Panama City Office of Admissions and Records prior to the published deadline.
- International applicants cannot be considered for admission to the Panama City campus.

Deadlines for applications and supporting documents at the FSU Panama City campus are typically one month prior to the start of each term. Further information is available by calling the Office of Admissions and Records on the Panama City campus at (850) 770-2160 or by visiting their Web site at <http://www.pc.fsu.edu>.

Continuous Enrollment

Please refer to the “Academic Regulations and Procedures” chapter in this *General Bulletin* for continuous enrollment policies.

Readmission

Returning undergraduate degree-seeking students who: (1) have been absent from the University for two or more consecutive terms (including Summer); (2) have been dismissed from the University and have been absent for two or more consecutive terms (including Summer); (3) have withdrawn from the University and have been absent for two or more consecutive terms (including Summer); (4) have had their last term of enrollment at the University administratively cancelled and have been absent for two or more consecutive terms (including Summer); or (5) have earned a bachelor’s degree from the University and wish to pursue a second bachelor’s degree, must submit an application for readmission to the Office of Admissions. Academically dismissed students are not eligible for readmission unless they have been reinstated by their academic dean. Reinstatement to continue does not guarantee a favorable readmission decision or admission into a specific major. Refer to the ‘Dismissal and Reinstatement’ section of the “Academic Regulations and Procedures” chapter of this *General Bulletin*.

Students who have attempted college work (including correspondence work) at any college or university since their last enrollment at Florida State University must have official transcripts sent to the Office of Admissions. Transcripts are considered official when they are sent directly from a college or university to the Office of Admissions and contain an official seal and/or signature. Transcripts bearing the statement “Issued to Student,” notarized transcripts, or transcripts submitted by the applicant are not considered official.

The University reserves the right to refuse readmission to any student who has an unsatisfactory academic, conduct, or health record. Students who are denied readmission to the University may appeal that decision by filing a written petition with the appropriate academic dean’s office. Students who are denied readmission for judicial and/or conduct reasons may appeal by filing a written petition to the Admissions Committee through the Director of Admissions.

The readmission application and all supporting documents should be submitted by the published deadline of the term for which readmission is desired. (Consult the “University Calendar” chapter of this *General Bulletin* for specific deadlines.)

Readmitted students are subject to retention requirements in effect at the time of reentrance. In addition, students claiming Florida residency must re-establish their eligibility for this classification when applying for readmission.

Readmission after Multiple Withdrawals

When a student has withdrawn from the University three or more times, subsequent readmission must first be considered by a committee whose charge is to assess the student’s capability of making satisfactory progress toward a degree. This committee, appointed by the Council of Associate and Assistant Deans, will make a recommendation to the dean of the student’s college who will make the final decision.

Non-Degree Student Regulations

Enrollment as a non-degree student is subject to approval by the Office of Admissions and may be open to high school and college graduates. Refer to the ‘Admission Requirements’ and ‘Admission by Transfer’ sections of this chapter for enrollment requirements. Applicants who have been denied admis-

sion as a degree-seeking student or who missed the deadline for submitting a degree-seeking application will not be considered for enrollment as a non-degree student. Students intending to register for graduate coursework under the non-degree status should consult the *Graduate Bulletin* for details.

The completed non-degree student application must be accompanied by a \$30.00 nonrefundable processing fee and all supporting documents. Applications should be submitted for consideration one semester prior to the desired term of enrollment. Consult the “University Calendar” chapter of this *General Bulletin* for specific application deadlines. The University reserves the right to close the application process earlier than the published deadlines if warranted by enrollment limitations.

A non-degree student at Florida State University who subsequently decides to pursue a degree must apply for admission through the Office of Admissions. The student may be reclassified as a regular undergraduate student upon meeting undergraduate admission requirements. Enrollment as a non-degree student does not guarantee admission to an undergraduate program.

Work taken as a non-degree student does not automatically carry undergraduate degree credit; however, up to fifteen semester hours earned as a non-degree student may be applied toward an undergraduate degree with approval of the appropriate dean after degree-seeking status is obtained.

The University generally does not issue I-20 or DS-2019 visa documents for international non-degree students. At the request of a department, the University will provide a visa document for non-degree students who are accepted for full-time enrollment in a certificate program. The department must contact the Center for Global Engagement (<http://www.cge.fsu.edu>), and the student must provide evidence of financial support and other information required by the United States government. In addition, the student must purchase or provide proof of health insurance coverage prior to enrollment. Foreign nationals on a student visa may not use the non-degree student status other than to fulfill prerequisite requirements or for summer enrollment if full-time status has been maintained during the academic year.

All registration by non-degree students is on a space-available basis and, in some cases, may require departmental approval. For more complete details, see the “Academic Regulations and Procedures” chapter of this *General Bulletin*.

Tallahassee Community College/Florida State University Cooperative Program

A Tallahassee Community College student wishing to dual enroll at Florida State University must obtain specific approval from the designated representative in the Office of Enrollment Services at Tallahassee Community College and the Office of Admissions at Florida State University by the published deadline. (Consult the “University Calendar” chapter of this *General Bulletin* for specific application deadlines.) If the student is participating in a special program, the student must also obtain approval from the appropriate departmental representative before submitting the form to the Office of Admissions. If approval for dual enrollment is granted, the student follows the prescribed registration procedures and adheres to the fee schedule established by this institution. The approval of one institution does not bind the other to comply. Florida State University students wishing to dual enroll at Tallahassee Community College should refer to the “Academic Regulations and Procedures” chapter of this *General Bulletin*.

Note: Academic rules governing regular students (e.g., fees, drop/add, withdrawal, grading policies, etc.) apply to dual enrollment students.

Florida Agricultural and Mechanical University/Florida State University Interinstitutional Registration

A Florida Agricultural and Mechanical University (FAMU) student planning to participate in the Cooperative Program at Florida State University must obtain specific approval from the designated representative in the Office of the Registrar at FAMU. Approval is also required from the department offering the course at FSU. The completed co-op application must be returned to the Office of the Registrar at FAMU by the published deadline. (Consult the “University Calendar” chapter of this *General Bulletin* for specific application deadlines.) If approval to co-op is granted, the student will be registered for courses at Florida State University by a representative in the Office of the University Registrar at FSU. Some courses may have limited availability, and registration for these courses may be denied or delayed until drop/add at the beginning of the term. The approval of one institution does not bind the other to comply. All tuition and fees are paid at FAMU unless the course has additional departmental fees associated with it. Any departmental fees will be

paid at FSU. Florida State University students planning to co-op at FAMU should refer to the “Academic Regulations and Procedures” chapter of this *General Bulletin*.

Interinstitutional Transient Students

A student at another institution who wishes to take advantage of special resources and/or programs not available at the home institution should submit an interinstitutional transient student application that has been approved by the home institution to the Office of Admissions by the published deadline. (Consult the “University Calendar” chapter of this *General Bulletin* for specific application deadlines.) If approval for transient status is granted, the student follows the prescribed registration procedures and adheres to the fee schedule established by this institution. The approval of one institution does not bind the other to comply. A Florida State University student wishing to enroll as a transient at another institution should refer to the “Academic Regulations and Procedures” chapter of this *General Bulletin*.

Note: Academic rules governing regular students (e.g., fees, drop/add, withdrawal, grading policies, etc.) apply to transient students.

FINANCIAL INFORMATION, TUITION, FEES, AID, SCHOLARSHIPS, AND EMPLOYMENT

University Controller: Michael Williams; **Associate Vice President for Budget, Planning, and Financial Services:** Rafael Alvarez; **Director, Office of Student Financial Services:** John Bembray

General Information

Tuition and fees are collected by the University Controller's Office of Student Financial Services. Payment of registration fees and tuition detailed below is an integral part of the registration process. Academic progress will be stopped and official University documents and services (transcripts, diplomas, registration, etc.) withheld if tuition and fees are not paid within the established time frame listed.

Tuition Payments and Arrangements. The student's Web name and password are required to access the Online Account Statement at <http://my.fsu.edu> (from *Secure Apps*, click *My Account Statement*). Tuition and fees are due according to the posted deadline at <http://www.sfs.fsu.edu>. Financial aid is disbursed during the second week of the semester, and as received thereafter. We encourage students to submit their third-party agency billings as soon as they have registered for classes. All third-party agency billings, departmental billings, FSU employee scholarships, and Veteran's deferments are due by the third day of each semester. State employee tuition vouchers are due on the fifth day of the semester.

Assessment of Fees. Fees are established by the Florida State University Board of Trustees and the Florida State Legislature and are subject to change. The University will calculate and assess the charges to be settled for fees due based on the fee rates authorized by the Florida State University Board of Trustees and the student's schedule. Students should review their *My Account Statement* at <http://my.fsu.edu> (from *Secure Apps*) to verify the accuracy of the charges. At the time of payment, students should also review their payment receipt to verify the payment made, any outstanding charges owed, or any arrangements outstanding. Credit and debit card payments can be made through the Internet at <http://www.fees.fsu.edu>. **Students who do not pay tuition and fees or make payment arrangements by the established deadline will be assessed a \$100.00 late payment fee and may have their course schedule cancelled.**

Panama City Campus. Students who intend to enroll at the Panama City campus of Florida State University may pay their fees at: *Controller's Office, 4750 Collegiate Drive (Barron Building, 1st Floor), Panama City, FL 32405*. Students may pay by check, cash, money order, or cashier's check when paying in person. Credit card payments can ONLY be made via the Internet at <http://www.fees.fsu.edu>. There is a \$7.75 nonrefundable fee for each online transaction. Accepted forms of on-line payment include: American Express, Discover, MasterCard, Visa, and electronic checks. For further information, please call (850) 770-2119 or e-mail cashier@pc.fsu.edu.

Residency Requirements for Tuition Purposes

At Florida State University there are four offices responsible for the review of residency for tuition purposes under Section 1009.21, Florida Statutes, and Florida State University Regulation 6C2R-2.02416. These offices are: (1) the Office of Admissions, (2) College of Law Admissions, (3) College of Medicine Admissions, and (4) the Office of the University Registrar. The first three offices determine residency for all first-time-on-campus students; the Office of the University Registrar is the only office to which students can apply for changes in residency once they are enrolled. First-time-on-campus or returning students will be classified in accordance with the information on their applications, including the "Florida Resident Affidavit," providing no other information is available calling into question the information on the application.

To qualify as a Florida resident for tuition purposes in accordance with Florida State University Regulation 6C2R-2.02416, students must be: United States citizens, lawful permanent residents, or aliens lawfully present in the United States who are in an eligible visa category,

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. **Students' residence in Florida must be as a bona fide domicile rather than for the purpose of maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education,** and should be demonstrated as indicated below (for dependent students as defined by Internal Revenue Service regulations, a parent or legal guardian must qualify);

AND

Submit two or more of the following documents (or in the case of a dependent student, the parent or legal guardian must submit documentation) prior to the first day of classes for the term for which resident status is sought for initial enrollment. (**Note:** The various Summer sessions are considered one semester for the purpose of establishing residency):

Documents must include at a minimum one of the following:

1. Documentation establishing bona fide domicile in Florida that is not temporary or merely incident to enrollment in a Florida institution of higher education. This information 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 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 in Florida.
 - b. Florida voter's registration card.
 - c. Florida driver's license, or State of Florida identification card.
 - d. Florida vehicle registration.
 - e. Proof of a permanent home in Florida which is occupied as a primary residence in Florida, or proof of homestead exemption.
 - f. Transcripts from a Florida high school for multiple years (two or more) if the Florida high school diploma or GED was earned within the last 12 months.
 - g. Verification of permanent, full-time employment in Florida for at least 30 hours per week for the 12-month period 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.

Documents may include one or more of the following:

- h. A Florida professional or occupational license.
- i. Florida incorporation.
- j. Documentation evidencing family ties to individuals who claim Florida as their primary residence.
- k. Proof of membership in a Florida-based charitable or professional organization.
- l. Proof of continuous presence in Florida during periods when not enrolled as a student during the 12 months prior to the term of enrollment.
- m. Proof of reliance upon Florida sources of support.
- n. 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.
2. No contrary evidence establishing residence elsewhere.
3. Documentation of dependent/independent status (copy of Internal Revenue Service tax return).

Note: Federal income tax returns filed by resident(s) of a state other than Florida disqualify such students for in-state tuition, unless said student's parents are divorced, separated, or otherwise living apart and either parent is a legal resident of Florida.

OR

Become a legal resident and be married to a person who has been a legal resident of the state of Florida for the required 12-month period [s.1009.21(5), FS];

OR

Be an active-duty member of the Armed Services of the United States residing or stationed in Florida (and spouse/dependent children) or an active drilling member of the Florida National Guard or military personnel not stationed in Florida whose home of record or state of legal residence certificate, DD Form 2058, is Florida (and spouse/dependent children) [s.1009.21(10)(a), FS];

OR

Be a full-time instructional or administrative personnel member employed by a state public school or institution of higher education (and spouse/dependent children) as defined in [s.1009.21(1)(c), FS] and [s.1009.21(10)(d), FS];

OR

Be an active-duty member of the Armed Services of the United States (and spouse/dependent children) attending a public college or university within 50 miles of the military establishment where the member is stationed, if such military establishment is within a county contiguous to Florida [s.1009.21(10)(b), FS];

OR

Be a dependent who has lived five years with an adult relative who has established legal residence in Florida [s.1009.21(4), FS];

OR

Be a person who was enrolled as a Florida resident for tuition purposes at a Florida public institution of higher education, but who abandoned Florida residency and then reenrolled in Florida within 12 months of the abandonment—provided that the person continuously maintained the reestablished domicile during the period of enrollment (this benefit only applies one time) [s.1009.21(9), FS];

OR

Be a Latin American/Caribbean scholar [s.1009.21(10)(e), FS];

OR

Be a United States citizen living on the Isthmus of Panama who has completed twelve consecutive months of college work at the Florida State University Panama Canal Branch (and spouse/dependent children) [s.1009.21(10)(c), FS];

OR

Be a graduate student of the Southern Regional Education Board's Academic Common Market attending one of Florida's state universities [s.1009.21(10)(f), FS];

OR

Be a full-time employee of a state agency or political subdivision of the state whose student fees are paid by the state agency or political subdivision for the purpose of job-related law enforcement or corrections training [s.1009.21(10)(g), FS];

OR

Be a qualified beneficiary under the Florida Prepaid College Program (prepaid ID card required) [s.1009.98, FS];

OR

Be a McKnight Fellowship recipient [s.1009.21(10)(h), FS];

OR

Be an active-duty member of the Canadian military residing or stationed in Florida under the North American Air Defense (NORAD) agreement (and spouse/dependent children) attending a public college or university within 50 miles of the military establishment where the member is stationed [s.1009.21(10)(j), FS];

OR

Be a U.S. citizen living outside the United States who is teaching at a Department of Defense Dependent School or at an American International School and who enrolls in a graduate-level education program that leads to a Florida teaching certificate [s.1009.21(10)(i), FS];

OR

Be an active-duty member of a foreign nation's military who is serving as a liaison officer and is residing or stationed in Florida (and spouse/dependent children) attending a public college or university within 50 miles of the military establishment where the member is stationed [s.1009.21(10)(k), FS];

OR

Be a linkage institute participant receiving partial or full exemptions under s.1009.21, FS, based on criteria approved by the Florida Department of Education per s.288.8175, FS, which establishes linkage institutes between postsecondary institutions in this state and foreign countries [s.288.8175(6), FS];

AND

Make a statement as to the length of residence in Florida and qualification under the above criteria. Students wishing to change from out-of-state to in-state residency for tuition purposes shall apply to the appropriate admissions office if they have not yet enrolled or if they are seeking readmission, or to the University Registrar if they are already enrolled and are seeking to be reclassified. **Note:** Florida Statute 1009.21 requires students to present additional documentation beyond that required for initial classification. For additional information on residency guidelines, refer to <http://admissions.fsu.edu/residency> or the "Apply" link at <http://www.flvc.org>.

Tuition and Instructional Fees

The "Academic Calendar" appearing in the *Registration Guide* each term sets forth the beginning and ending dates of each term and all deadlines.

Assessment of Fees

The following fees and charges are based on current rates; however, since the *General Bulletin* must be published in advance of its effective date, it is not always possible to anticipate changes, and the fee schedule may be revised. Every effort will be made to publicize changes for any semester in advance of the registration date for that semester. Current information is available at <http://www.sfs.fsu.edu>.

Students are assessed fees based on the level of the course as established by the State Board of Education and the Florida State Legislature. **Fees applicable to 2013-2014 had not been confirmed by the Florida Legislature at the time of the publication of this document.**

Actual Course Fee Charge per Credit Hour 2012-2013 at the FSU Main Campus

Course Level	In-State & Enrolled at FSU Before 7/1/07	Out-of-State & Enrolled at FSU Before 7/1/07	In-State & Enrolled at FSU After 7/1/07*	Out-of-State & Enrolled at FSU After 7/1/07*
0001-4999	\$162.50	\$668.05	\$212.09	\$717.64

*Includes Tuition Differential Fee

Course Level	In State**	Out-of-State**
5000 and above	\$477.70	\$1,109.10
Law	\$656.38	\$1,323.45
Medical per year	\$21,293.18	\$55,844.37
Repeat Course Fee per credit hour (undergraduate only)	\$159.87	\$159.87

**Per credit hour does not include the Student Facilities Use Fee assessed to Main Campus Students at the rate of \$20 per semester.

Actual Course Fee Charge per Credit Hour 2012-2013 at the FSU Panama City Campus

Course Level	In-State & Enrolled at FSU Before 7/1/07	Alabama/Georgia Special Rate* & Enrolled at FSU Before 7/1/07	Out-of-State & Enrolled at FSU Before 7/1/07
0001-4999	\$128.50	\$148.50	\$634.05

*Visit <http://www.pc.fsu.edu/>

Course Level	In-State & Enrolled at FSU After 7/1/07	Alabama/Georgia Special Rate* & Enrolled at FSU After 7/1/07	Out-of-State & Enrolled at FSU After 7/1/07
0001-4999	\$178.09	\$198.09	\$683.64

*Visit <http://www.pc.fsu.edu/>

Course Level	In State	Alabama/Georgia Special Rate*	Out-of-State
5000 and above	\$443.70	\$463.70	\$1,075.10

*Visit <http://www.pc.fsu.edu/>

Students enrolled in cooperative education courses with zero semester hours will be charged for one semester hour of Florida resident undergraduate work, unless also enrolled in other credit courses at Florida State University during the same academic term.

Students registered in courses for zero semester hours (master's comprehensive examination, master's thesis defense, dissertation defense, or other graduate-level zero semester hour courses) will be charged for one Florida resident graduate semester hour, unless also enrolled in other credit courses at Florida State University during the same academic term.

Special Fees, Fines, and Penalties

Note: All fees subject to change.

Application Fee: \$30.00. Applicants for admission as degree-seeking or non degree-seeking are assessed a nonrefundable application fee.

Admission Deposit: \$200.00. Admitted freshman and law school students who plan to attend Florida State University must pay a **nonrefundable fee** that will be applied to their tuition.

New Student Orientation Fee: \$35.00. This fee is assessed when new students register to attend the required University orientation program. Some orientation programs may have additional costs, based on the classification of the entering student, meals, and lodging, and the optional attendance of family members. These are nonrefundable fees.

Late Registration Fee: \$100.00. A late registration fee is assessed when a student does not begin registration during the time provided under the academic calendar.

Late Payment Fee: \$100.00. A late payment fee is assessed against students who do not pay their tuition in full by the required due dates (see the "Academic Calendar" in this *General Bulletin*).

Florida State University Identification Card (FSUCard): \$10.00. This fee is assessed against first-time FSUCard recipients, including high school students. This fee may be paid when tuition is paid.

FSUCard Term Fee: An FSUCard semi-annual fee of \$5.00 applies to all main-campus students each Fall and Spring semester.

Replacement FSUCards: \$15.00. A fee for the preparation of a new card is assessed against those students, including high school students, who lose their FSUCards.

Duplication/Photocopying Fee: At cost. A fee is assessed for duplicating or photocopying documents.

Standard Tests Fee: At cost. A fee is assessed for test materials and related factoring or grading charges levied by an external agency used in standardized tests, such as the Graduate Record Examinations.

Transcript Fee: \$5.00. This fee is assessed for each official transcript issued.

Installment Contract Fee: \$10.00 per contract. This fee is assessed for executing an installment contract for tuition payment available during Fall and Spring semesters only.

Transportation Access Fee: \$8.90 per credit hour. **Rate subject to change.** This fee is assessed per credit hour to all main campus students. It covers all modes of transportation on campus such as sidewalks, bikes, mass transit (on- and off-campus buses), and vehicles. Revenue generated by this fee is used to improve the overall infrastructure of campus for all students. For additional information about parking locations, rules, regulations, and rates, go to <http://parking.fsu.edu>.

Returned Check Charge/Stop Payment Charge: \$25.00 or five percent (5%) of the amount of the check, whichever is greater (rate subject to change). A returned check/stop payment charge is assessed against the account of a student who has a check or electronic authorization for payment returned by the bank to Florida State University. Florida State University automatically submits all personal checks twice for payment if the check was returned once for insufficient or uncollected funds. This is an automated process, and the second submission cannot be stopped; however, there is no charge assessed by Florida State University for this second submission.

Returned check charges are assessed for all personal checks written and electronic payments authorized for tuition, fees, or any services provided by the University that are returned to Florida State University for insufficient funds, uncollected funds, wrong account numbers, closed accounts, and stop payments placed on checks. In addition to the returned check charge, if the initial payment is for tuition and redemption of the returned item is not made prior to the tuition payment deadline, a late payment fee is assessed to tuition and student may be subject to tuition cancellation. Florida State University places a hold on accepting any personal checks or electronic payment authorizations from anyone on the student's account for ninety days after redemption for any services, tuition, or fees that are owed to the University if a personal check or electronic payment is returned. Redemption must be paid with cash, money order, or cashier's check. If a second check is returned or a stop payment is placed on it, the student will be permanently listed on all departments' ACCEPT CASH ONLY list, and **no personal checks will be accepted from anyone on the student's account from that day forward.**

Notification will be sent to the student via mail to the address on the check or to the last maintained address in Florida State University's records. A copy of the notification letter will be sent to the maker of the check at the address on the check, if the student is not the person on whose account the funds are drawn. After notification that a check has been returned, redemption including the service charge must be made by seven working days with cash, money order, or cashier's check. Florida State University forwards all returned checks to the State Attorney's office for redemption and prosecution after collection efforts are exhausted. After a returned check is forwarded to the State Attorney's office, redemption of the check will not prevent prosecution.

Thesis, Treatise, and Dissertation Fees: All Thesis, Treatise, and Dissertation students are required to submit their manuscripts to ProQuest directly. There is no fee associated with traditional publishing. Students may choose to pay a copyright fee, an open access fee, or may order bound copies, if desired.

- **Copyright Fee:** Optional through UMI/ETD Web site, at cost.
- **Open Access Fee:** Optional through UMI/ETD Web site, at cost.

Loss and Damage Fees: At cost. Students who lose or damage equipment may be assessed a breakage or loss fee to pay for breakage or loss of equipment. Upon completion of the course, the instructor will prepare a listing of the cost of all such lost and damaged equipment and assess the student a loss or damage fee. The charge varies, based on the cost of the item, and generally applies to students taking laboratory courses.

Scientific Laboratory Fees: Varies. Students enrolled in certain laboratory courses are assessed a fee that is used to offset the cost of scientific materials or items consumed in the course of the students' laboratory activities. These fees are assessed based on the course.

Library Fees

(All fees subject to change)

	Overdue Fees	Replacement Fees
Books	\$0.25 per day	Billed for replacement cost at 60 days overdue, or damaged
Failure to Return Recalled Items	\$0.25 per day	Billed for replacement cost at 60 days overdue, or damaged
Interlibrary Loan	Cost determined by the loaning library	
Reserves	\$3.00 per hour	Billed for replacement cost if lost or damaged
Videos	\$0.25 per day	Billed for replacement cost at 7 days overdue, or damaged
Laptops	\$10.00 per hour	\$1,800 replacement cost if lost or damaged
Laptop Power Cords	\$10.00 per hour	
Headphones	\$0.25 per hour	Billed for replacement cost if lost or damaged
Study Rooms	\$10.00 per hour	
Study Room Supplies	\$10.00 per hour	SMART board pens: up to \$50.00 VGA/USB cables: up to \$50.00 Speakers: up to \$400.00 SystemOn Module: \$150.00

Housing Costs

For complete descriptions of housing facilities, services, costs, and how to apply for University housing, refer to the "Housing" chapter of this *General Bulletin*.

Annual Estimate of Cost

The annual estimated costs listed below are for the 2013–2014 academic year and do not include transportation and personal expenses or Summer tuition and related expenses. The estimate is taken from the Office of Financial Aid Web site at <http://financialaid.fsu.edu>.

Undergraduate	Florida Residents	Non-Florida Residents
Tuition/Fees¹	\$4,916	\$20,080
Differential Fee²	\$1,488	\$1,488
Housing³	\$5,980	\$5,980
Food⁴	\$3,932	\$3,932
Books/Supplies	\$1,000	\$1,000
Subtotal	\$17,316	\$32,480
Health Insurance⁵	\$1,680	\$1,680
TOTAL	\$18,996	\$34,160

¹ The tuition and fee estimate is based on fifteen semester hours for undergraduate students attending two terms (Fall and Spring) per year at the Tallahassee campus. Refer to the Student Financial Services Web site at <http://www.sfs.fsu.edu> for tuition rates for all campuses or specific programs.

² The Tuition Differential fee applies to all undergraduate students (or graduate students if enrolled in an undergraduate class) who begin enrollment after 7/2007 (exception - students who have Florida Pre-Paid Tuition plan active as of 7/1/2007). Students who have been continuously enrolled prior to 7/2007 or who have active Florida Pre-Paid Tuition contracts purchased prior to 7/2007 may be eligible for a waiver of the Differential Fee.

³ Students at the Tallahassee campus may refer to <http://www.housing.fsu.edu> for on-campus rental rates.

⁴ Refer to <http://www.seminoledining.com> for all meal plan options.

⁵ Cost of meeting this requirement is included in financial aid considerations. Students who currently have health insurance may show proof of comparable

coverage and may not be required to purchase the University policy. Refer to <http://www.uhs.fsu.edu> for additional information.

Note: International students should refer to <http://cge.fsu.edu/newstudents/cfr/cfm> for an estimated cost of attendance.

Payment of Fees

Payment of registration fees and tuition detailed below is an integral part of the registration process. Registration (including payment of fees) must be completed on or before the proper due date. The appropriate University office must be provided a properly executed authorization to defer fees prior to the deadline published in the academic calendar in those cases where fees are to be paid by a previously approved loan, scholarship, or other third-party arrangement. Florida Prepaid College Program without local fees does not pay the full amount due, nor do Intern Participation Certificates. Students must pay the remaining balance due by the published deadline.

Method of Payment

Students who enroll must pay fees and tuition in full, or initiate an installment contract by the tuition payment deadline. We encourage students to submit their third-party agency billings as soon as they have registered for classes. All waivers, agency billings, and department billings for all students must be submitted by the third day of the term. Financial aid deferrals will be entered by the Office of Financial Aid for eligible student accounts. If tuition is not paid or arrangements have not been made by the posted deadlines, a late payment fee will be assessed. Any course added after the tuition payment deadline must be paid in full within five days or a \$100.00 late payment fee will be assessed. The University does not send out a bill because students may change their course schedule and therefore the amount owed through the fourth day of the semester will be inaccurate. Tuition and fees should be paid by the fee payment deadline as posted at <http://www.sfs.fsu.edu>. Note that other University related fees have separate and earlier deadlines. Students can, however, get the amount of their tuition and fees due on the Internet at <http://my.fsu.edu> (from **Secure Apps**, click **My Account Statement**) or when they register for classes through the Web. Other options include accessing the kiosks located on the first floor of *University Center A Building*, calling the Office of Student Financial Services at (850) 644-9452, or going to *A1500 University Center*, 8:30 a.m.–4:30 p.m. Monday–Friday.

Students may pay by check, cash, money order, cashier's check, or FSUCard when paying in person. Florida State University does not accept two-party checks or foreign checks for payment. Make checks payable to Florida State University and include **one** of the following on your check: your EMPLID, the last four digits of your social security number, or your FSU e-mail address, your driver's license number, as well as your local phone and address. We accept FSUCards, American Express, Discover, MasterCard, Visa, and electronic checks via Internet only. Payment methods are described below. Credit card payments can only be made through the Internet at <http://www.fees.fsu.edu> or at kiosks located around campus. There is a \$7.75 nonrefundable flat fee for each transaction.

Installment Contracts. The Student Financial Services Tuition Installment Contract is the only form of tuition payment "plan" that the University offers. Through this plan, students must pay half (tuition and fees greater than \$150.00) of their currently owed tuition, plus a \$10.00 Installment Contract Fee, by noon on the main campus tuition payment deadline. The second half of the installment payment is due by the sixth week of class. The installment contract agreement may be executed in person or by calling Student Financial Services. Failure to pay the balance of tuition by the due date will result in a late payment fee and a financial hold on your account and may result in the cancellation of your course schedule. Once an installment contract is executed, any course added at a later date must be paid in full within five days. It will not be covered under the previously executed contract. Failure to pay tuition in full for such a course will result in the assessment of a late payment fee.

Convenient Drop Box for Payments. The Office of Student Financial Services has kiosks for student use at the first floor of the *University Center Building A*, near our office at *A1500*. Students may verify the amount due for tuition and fees (at the kiosks or through the Internet at <http://www.fees.fsu.edu>), insert a check, money order or cashier's check in the provided envelope, and put the envelope in the drop box. Payments are processed the next business day. Payments received in the drop box by 4:30 p.m. on the tuition payment deadline will be considered on time. Payments inserted after 4:30 p.m. will be considered late and assessed a \$100.00 late payment fee. Please do not deposit cash. We will not process foreign checks or two-party checks. Make checks payable to Florida State University and include **one** of the following on your check: your EMPLID, the last four digits of your social security number, or your FSU e-mail address, driver's license number, as well as your local phone and address. Checks not completed properly will be considered late.

Mail-In Tuition and Fee Payments Must Be Received by the Deadline. When paying fees by mail, send a personal check, money order, or cashier's check for the full amount of fees due. Please do not send cash. Checks not received by the tuition payment deadline will be considered late and will be assessed a \$100.00 late payment fee. We will not process foreign checks, checks not completed properly, or two-party checks. Make checks payable to Florida State University and include **one** of the following on your check: your EMPLID, the last four digits of your social security number, or your FSU e-mail address, your driver's license number, as well as your local phone and address. Checks not properly completed will be considered late. Payments should be mailed to *Florida State University, Office of Student Financial Services, A1500 University Center, Tallahassee, FL 32306-2394*.

Agency Billing. Students are responsible for all tuition and fees upon registration. Forms are available at <http://www.sfs.fsu.edu>. Students who are requesting their tuition paid by an agency must submit the required documents as soon as possible, but no later than the third day of the semester, and preferably thirty days in advance. Those students receiving financial aid should submit the documents by the third day of the semester; otherwise, tuition will be deducted from the student's financial aid and refunds will not be made to the student until the agency or department makes their payment to the Office of Student Financial Services. Financial aid students must report this payment as an income source on their application, or upon further evaluation by the Office of Student Financial Aid, the student may be "over-awarded" and may be required to repay financial aid to the University. If the agency or department has not paid the tuition by the end of the current semester, a late payment fee of \$100.00 will be assessed to the student's account and the student is required to pay it before being granted other University services. Accounts left unpaid at the end of the semester will be put in a delinquent status and the student will not be able to receive University services (registration, transcripts, diplomas, etc.) Agencies that do not pay in a timely manner may cause the Office of Student Financial Services to put the student's account in a non-billing status for subsequent semesters; consequently, the student will be required to pay tuition by the regularly scheduled deadline, and the University will refund to the student the amount that the agency pays (less University charges) after they have paid it. Students with agency payments that are contingent upon grade(s) received are not eligible for agency billing, and tuition must be paid by the regularly scheduled deadline. The Office of Student Financial Services does not bill agencies for housing, books, meals, etc.

Departmental Billing. Departmental billings must be submitted to the Office of Student Financial Services by the appropriate college or school by the third day of each semester. Financial aid students must report this payment as an income source on their application, or, upon further evaluation by the Office of Student Financial Aid, the student may be "over-awarded" and may be required to repay financial aid to the University. For information regarding departmental billings, undergraduate students should contact the Office of Faculty Development and Advancement at (850) 644-6876; graduate students should contact the Dean of the Graduate School at (850) 644-3501.

State Employee Registration

Full-time state employees may use the state employee tuition waiver to register for Florida State University classes. Registration in classes using the state employee tuition waiver is limited to a space-available basis. Individuals using the state tuition waiver must be fully admitted degree-seeking or non-degree students. Florida State University does not consider the following to be space-available courses: limited access programs; remedial courses; dissertation, thesis, and directed individual study (DIS) courses; internship courses; distance learning courses; online courses; Center for Professional Development (CPD) courses; College of Medicine courses; College of Law courses; all graduate program courses in the College of Business; and other one-to-one instruction courses. Accordingly, state employee tuition waivers may not be used for these courses.

Florida State University accepts only the official FSU State Employee Tuition Waiver form. Agencies may require additional paperwork or forms that will not be accepted at Florida State University unless accompanied by the FSU State Employee Tuition Waiver form.

State employees using a tuition waiver must complete the registration process and submit the tuition waiver to the Office of the University Registrar **on the fifth day of classes only**. State employee tuition waivers may not be used for any course that is registered for prior to this space-available registration window. Thus, for any class obtained prior to the fifth day of classes, the student assumes personal financial liability for tuition.

Additional restrictions and deadlines apply. See the Office of the University Registrar's Web site at http://registrar.fsu.edu/services/emp_tuit_waive for additional information, including the link to download the State Employee Tuition Waiver form.

Panama City Campus

Students who intend to enroll at the Panama City campus of Florida State University may pay their fees at the *Controller's Office, 4750 Collegiate Drive, Panama City, FL 32405*. Students may pay by check, cash, money order, or cashier's check when paying in person. Credit card payments can ONLY be made via the Internet at <http://www.fees.fsu.edu>. There is a non-refundable flat fee for each transaction. Accepted forms of online payment include: American Express, Discover, MasterCard, Visa, and electronic checks. For further information, please call (850) 770-2119 or e-mail cashier@pc.fsu.edu.

Florida Prepaid College Program

This program was created by the State of Florida to guarantee payment of tuition and may include optional dormitory contract guarantees and an optional local fee plan. The **primary plan excludes local fees** (i.e., health, athletics, student activity, laboratory, transportation access, and books) that are to be paid by the student using one of the options described above and by the deadlines stated above. The student is to verify that the billing is being processed by going to <http://my.fsu.edu> (from *Secure Apps*, click *My Account Statement*). The 2011-2012 local fees, excluding books, not covered by the Prepaid College Program total approximately \$32.04 per hour, plus lab fees ranging from \$3.25 to \$35.00, plus the Transportation Access Fee. **Students using the Florida Prepaid College Program are responsible for paying local fees by the tuition payment deadline of the main campus semester or they will be assessed a \$100.00 late payment fee. (Rate subject to change.) Fees applicable to the 2012-2013 academic year had not been confirmed by the Florida Legislature at the time this document was published.** Additional information may be obtained by writing: *Florida Prepaid College Program, P.O. Box 6448, Tallahassee, FL 32314-6448* or by calling 1 (800) 552-4723 or at <http://www.myfloridaprepaid.com/>.

Fee Liability

Liability is incurred for all credit hours at the time of registration for classes. The student is responsible for dropping classes or withdrawing from school. For more information on policies regarding attendance and schedule cancellation, please refer to the section on 'Cancellation of Student Schedules for Non-Payment of Tuition and Fees'. Out-of-state tuition and matriculation fee waivers will not cover dropped or withdrawn classes.

Repeat Course Surcharge

Section 1009.29, Florida Statutes, mandates that each student attempting the same non-repeatable undergraduate course more than twice beginning with the Fall Semester 1997 shall be assessed an additional per credit hour surcharge beginning with the third attempt. Attempted hours include those hours dropped, withdrawn, and repeated under FSU forgiveness that are fee liable. Undergraduate level courses are numbered 1000 to 4999.

Effective Fall 2011 Semester, the repeat course surcharge was \$159.87 per credit hour.

Note: The rate is subject to change for the 2013-2014 academic year.

The only exceptions:

- Any course taken prior to Fall 1997;
- Attempts taken at an institution other than FSU;
- Graduate level courses (courses numbered 5000 and above);
- Any non fee-liable course dropped or withdrawn;
- Courses taken through cooperative education, military, waivers, and audits; and,
- Individualized study, courses that are repeated as a requirement of a major, and courses that are intended as continuing over multiple semesters. However, courses repeated more than two times to increase GPA or meet minimum course grade requirements are eligible for the surcharge.

Repeat Course Surcharge Appeal

Section 1009.285, Florida Statutes, provides authority to universities to consider appeal of the repeat course surcharge based on documented evidence of financial hardship. Appeal forms are available in the Office of the University Registrar, *A3900 University Center, Tallahassee, Florida 32306-2480, (850) 644-3403*. Appeals must be submitted to the Office of the University Registrar no later than the last day of classes for the term in which the surcharge is assessed.

Excess Credit Hour Surcharge

Section 1009.286, Florida Statute, mandates that each student shall be assessed an additional per credit hour charge equal to 50% or 100% of the tuition for each hour in excess of a specified percentage of the total number of credit hours required to complete the baccalaureate degree, depending on their first term of enrollment in a post-secondary institution. This law is in effect for students who began their postsecondary education at any institution Fall 2009 or later. Any break in continuous enrollment requiring readmission or reinstatement may cause the student to be subject to current legislative Excess Credit policies and fees.

Post-secondary Start Term	Surcharge Percentage	Excess Hours Threshold
Fall 2009	50%	120%
Fall 2010	50%	120%
Fall 2011	100%	115%
Fall 2012	100%	110%

Credit hours earned under the following circumstances are included in the calculation of the threshold for surcharge assessment, unless they otherwise meet one of the exception criteria provided for in statute:

- Failed courses;
- Hours dropped after the Universities' drop/add period;
- Courses for which a student withdraws;
- Repeated courses, except repeated courses for which the student has paid the repeat course surcharge as provided in *Section 1009.285, Florida Statutes*;
- All credit earned at another institution and accepted for transfer and applied toward the baccalaureate degree program.

Credit hours earned under the following circumstances are not included as hours earned toward the baccalaureate degree for purposes of determining the threshold for surcharge assessment. They may otherwise count toward and satisfy university, college, or departmental hour requirements according to University policy.

- College credit earned through articulated accelerated mechanisms such as AP, IB, CLEP, dual enrollment, national standardized tests (ACT or SAT), etc. as defined in *Section 1007.27, Florida Statute*;
- Credit hours earned through internship;
- Credit hours required for certification, recertification, or certificate programs;
- Courses from which the student withdraws for reasons of medical or personal hardship;
- Credit taken by active-duty military personnel;
- Credit hours taken to achieve a dual major while pursuing a baccalaureate degree;
- Remedial and English-as-a-second-language credit hours;
- Credit hours earned while participating in a Reserve Officer's Training Corps (ROTC) program.

Students have one year from the first term of enrollment at FSU to appeal the initial excess credit hour determination.

Delinquent Fees

Students who have amounts owed to the University may not complete their registration, participate in graduation ceremonies, receive a diploma, receive an associate in arts certificate, view grades, or receive a transcript until all amounts owed to the University have been satisfactorily settled. This includes, but is not limited to, library charges, health center charges, parking fines, and University debt. All payments will be applied to the current tuition first and then to the oldest outstanding debt. Nonrefundable collection fees, as well as legal fees and interest assessment through court judgments, are added to a student's account if the student has had an outstanding debt for 120 days or longer. When an account is sent to a collection agency, the customer must make payment arrangements directly with the agency. Payment arrangements do not permit student privileges such as registration, official transcripts, etc. Accounts must be paid in full to obtain further privileges.

Registration Stop for Outstanding Charges

A "stop" is placed on all academic progress for those students who have outstanding charges due to the University. Students owing any amount, including current semester tuition, are not permitted to register for classes. The "stop" will not be removed, and such students will not be permitted to register or receive other University services, until the debt is cleared.

Cancellation of Student Schedules for Non-Payment of Tuition and Fees

In accordance with Florida State University Regulation 6C2R-2.0248, students who do not pay tuition and fees or make arrangements for tuition and fee payment by the published deadline each semester may have their schedules canceled. Students will be notified using their FSU e-mail account concerning outstanding tuition delinquencies and given an opportunity to pay tuition and fees or make arrangements for tuition and fee payment with the Office of Student Financial Services prior to cancellation. Students whose schedules are canceled for non-payment of tuition and fees will have their academic progress discontinued for the term in question and will not be able to attend class or receive grades.

Reinstatement of Student Schedules Canceled for Non-Payment of Tuition and Fees

Students whose schedules are canceled for non-payment of tuition and fees may appeal to the University Registrar for reinstatement and continuation of academic progress for the term. A written appeal must be submitted to the University Registrar by the end of the seventh week of the Fall and Spring semesters (consult the *Registration Guide* for Summer term deadlines). Prior to a student's appeal being approved, the Office of Student Financial Services must verify that payment for the current term has been received or that appropriate arrangements have been made for tuition and fee payment. Students whose schedules are reinstated are subject to a \$100.00 late registration fee and a \$100.00 late payment fee. Check or credit card payments that are returned or refused will negate any tuition payment agreement for the reinstatement of a student's schedule. The University reserves the right to deny reinstatement when a demonstrated pattern of tuition delinquencies over two or more semesters has occurred.

Tuition Waivers, Deferments, and Financial Arrangements

Out-of-State

In the interest of the general welfare of the State of Florida, and in order for Florida to contribute to the fulfillment of national and international obligations, the State Board of Education authorizes the University to waive portions of out-of-state tuition for a limited number of students in specific categories. Students in the following categories may apply:

- Out-of-state graduate students having at least a one-quarter time assistantship (teaching or research) or a fellowship equivalent in value to at least a one-quarter time assistantship
- Foreign student programs, or student exchange programs
- Students having special skills in music, dance, theatre, or athletics
- Graduate students with outstanding academic credentials and abilities

Special and part-time students at the undergraduate and graduate level are not eligible for out-of-state tuition waivers. Tuition waivers must be submitted by the appropriate college or school preferably by the fourth day of each semester but definitely no later than the fifth class day of the semester. **Tuition waivers do not cover the total amount of fees due and may have an effect on financial aid awards.** For information regarding out-of-state waivers, undergraduate students should contact the Vice President for Faculty Development and Advancement; graduate students should contact the Dean of the Graduate School. Tuition and fees not covered by waivers must be paid in full by the deadline as posted at <http://www.sfs.fsu.edu>.

Florida Residents Over 60 Years of Age

When registering to audit courses not for credit, all fees are waived for citizens sixty years of age and older who are Florida residents. All requirements pertaining to auditing courses must be met, and, in addition, proof of age and residency must be presented. For further information, refer to the "Academic Regulations and Procedures" chapter of this *General Bulletin*.

Note: Audited courses do not earn credit hours or appear on a student's permanent record.

Policy Concerning Late Fees

A student may request a waiver of the late registration fee at the Office of the University Registrar. Documentation supporting University error or extraordinary circumstances will be required.

A student may request a waiver of the late payment fee at the Office of Student Financial Services if payment was not made by the established dead-

line because of a University error, administrative error, or extraordinary circumstances beyond the control of the student. Supporting documentation is required.

Note: Lack of funds, not applying for financial aid on time, or not being aware of the payment deadline are not valid reasons for waiving the late fee. Request to waive late payment fees must be made by completing a waiver request form online at <http://my.fsu.edu> (from *Secure Apps*, click *Late Payment Fee Waiver*). If the request is denied, the student may appeal to the Late Payment Fee Appeals Committee by contacting the Office of Student Financial Services at (850) 644-9452. The committee meets once a month or as needed.

The **Late Payment Fee Appeals Committee**, which consists of representatives from the Office of the University Registrar, Office of Financial Aid, and the Office of Student Financial Services, provides an opportunity for students to appeal a denial of their request for a late payment waiver. The appeals committee's decision is the final step in the University's late payment appeal process. Forms are available through the Internet at <http://www.sfs.fsu.edu>.

Deferments and Financial Arrangements

Financial aid is disbursed during the second week of the semester. Students must pay or make arrangements to pay all fees due by the tuition payment deadline.

Financial aid deferments are authorized by the Office of Financial Aid. Departmental billings are authorized by the school or college issuing the billing. Agency billings are authorized by the approved agency to pay fees on behalf of the student. The third party billings are to be completed by the student at *A1500 University Center* no later than the third day of the term. Outstanding tuition from a previous semester will be deducted from financial aid received during a current semester. A refund will not be processed until payment is made by the agency or department. Agency billing forms are available through the Internet at <http://www.sfs.fsu.edu>.

Veterans Deferments. A student in training under the auspices of the Veterans Administration receives an education and training allowance each month from the federal government. Since the first subsistence checks are sometimes delayed, it is advisable for the veteran to be prepared to meet all expenses for about two months.

Tuition and health fees for students receiving assistance from the Veterans Administration in accordance with provisions of Section 1009.27(2), Florida Statutes, may be deferred each time there is a delay in the receipt of benefits. This deferment is not automatic and must be explicitly requested by eligible students through the Office of Veterans Affairs, Office of the University Registrar, by the third day of the semester. Students with financial aid pending will have their tuition paid by their financial aid and will have their veteran's deferments nullified.

Note: If a student receives a veteran deferment and tuition is still not paid by the deferment expiration date, the student will be assessed a \$100.00 late payment fee and may have his or her course schedule cancelled. Moreover, such students will not be eligible to receive a veteran deferment in the future. Registration, transcripts, and diplomas will not be processed until debts are paid in full.

Application Fee

Individuals who submit an application to Florida State University shall pay a nonrefundable application fee of \$30.00. This fee may be waived for freshman applicants who can document that they have received a fee waiver because of economic need as determined by the College Board or the American College Testing Program, or for graduate applicants in designated sponsored programs.

Refund of Fees

Regulations Concerning Refund of Fees Paid

Students incur a liability for all credit hours that remain on their schedule of courses as of the end of the official drop/add period. The amount of this liability is identified on the Student Assessment Payment Schedule. Any amount paid in excess of the amount owed (assessed fee and outstanding University charges) during the term will be carried forward and will be applied against subsequent University charges incurred or may be refunded by request.

Full refunds of tuition fees may be granted in instances of withdrawal from the University under the following conditions:

1. Involuntary call to active military duty
2. Death of the student or death in the immediate family (parent, spouse, child, sibling)
3. Illness of the student of such duration or severity, as confirmed in writing by a physician, that completion of the term is precluded

4. Cancellation of the course by the University
5. Exceptional circumstances that could not have been foreseen and were beyond the control of the student, as approved by the University refund committee.

Students who drop a course without fee liability after their tuition and fees are paid may be eligible for a tuition refund. Any amount paid in excess of the amount owed to the University during the semester/term will be carried forward and may be applied against subsequent University charges incurred or will be refunded upon request; however, **any outstanding charges owed to the University will be deducted and the balance will be issued as a refund.** At the beginning of a semester, refunds will not be processed until the end of the third week of class to ensure that all checks have cleared the bank. Refunds requested during the fiscal year close-out, during the last two weeks of June, will not be processed until the first week of July. The refund will be processed as a credit to the student's FSUCard account for currently enrolled students, unless the student requests a check to be mailed to the address on file. However, payments made by credit card will be refunded to the credit card. Checks will be mailed to those students who are no longer enrolled. Refund request forms are available at the Office of Student Financial Services, *A1500 University Center* or online at <http://controller.vpfa.fsu.edu/Student-Financial-Services/SFS-For-Students/Forms>.

Students who withdraw after the fourth day of the semester/term but prior to the end of the fourth week of the semester (or for Summer sessions by the first twenty-five percent [25%] of the term) are eligible for a twenty-five percent (25%) refund of tuition and fees. After this period, students who withdraw are held fully liable for fees. Students who withdraw and have received federal financial aid (Title IV programs), state or university aid may be required to repay to the aid source the amount of unearned financial aid funds disbursed to them as of their withdrawal date as described in the section on 'Withdrawals and Return of Financial Aid.'

Note: In the case where a withdrawal petition is approved, a refund can only be provided **if the refund withdrawal request is submitted within six months after the end of the semester/term in which the withdrawal occurred.** If financial aid is received by the student during the term in which the refund is granted, state and federal regulations may require that the refund be returned to the aid source.

An application for a request for refund of fees should be submitted as follows:

- **Tuition Fees.** *Office of Student Financial Services, A1500 University Center; <http://www.sfs.fsu.edu>*
- **Food Plan.** *Director of Food Services, 144 Oglesby Union*
- **Housing Fees.** *Assistant Director of Housing for Contracts and Assignments, 109 Student Life Building*
- **Parking Decals.** *Director of Parking, C2300 University Center*
- **Textbooks.** *Manager of Florida State University Bookstore, Parking Garage, Main Level*

Withdrawal and Return of Financial Aid

Effective Fall 2000, students who withdraw and have received financial aid will be required to repay to the program source the amount of **unearned** financial aid funds disbursed to them as of their withdrawal date. Programs include Pell Grants, Perkins Loans, Supplemental Educational Opportunity Grants (FSEOG), Stafford Loans (subsidized and unsubsidized), Parent Loans (the Federal PLUS program), Plus Loan for Graduate Students (PLUG), TEACH Grant, and other awards. The **unearned** amount of program funds is calculated based on the percentage of the semester completed before the date of withdrawal. Both the University and students receiving financial aid are required to return **unearned** financial aid to the aid source. The University is required to return the **unearned** portion of the financial aid funds it received from withdrawing students that was used to pay institutional charges such as tuition, fees, housing, and other educationally-related expenses assessed by the institution. The funds returned to the aid source by the University will be credited against the student's total liability of **unearned** funds. However, students will owe the University the amount returned to the aid source for institutional charges. In addition, any student who receives Title IV funds and stops attending classes during the semester and does not officially withdraw from the University is considered an unofficial withdrawal, according to Title IV federal regulations. The University is required to return unearned financial aid to the federal government for all unofficial withdrawals in the same manner as students who officially withdraw.

Students must repay the unearned Title IV funds to any Title IV loan program, in accordance with the terms of the loan. For Title IV loan programs, **unearned** grant program funds are considered overpayments, and students are required to return 50 percent (50%) of the grant. Students who owe grant overpayments remain eligible for Title IV program funds for forty-five days if

during those forty-five days the student: (1) repays the overpayment in full to the University; or, (2) enters into a repayment agreement with the University. However, entering into a repayment agreement does not mean the student is eligible to register for additional classes, receive a transcript, diploma, etc. Students can lose financial aid eligibility if they do not comply with the options above. **Students should consider their repayment responsibilities for these programs as part of any withdrawal decision. Students should contact the Florida Bright Futures office for the most current restrictions on eligibility.**

Bright Future Repayment Requirement

Section 1009.53, Florida Statute states that Bright Future scholarship funds may not be used to pay for courses dropped by a student after the end of the drop/add period. This includes all courses dropped as part of the official withdrawal process. Students will be required to reimburse the University for the appropriate Bright Future portion disbursed based on enrollment. A waiver of repayment requirement may be granted in the event of a documented illness or emergency. Appeals to waive the repayment requirement can be made to the Office of Financial Aid.

Student Cancellation of Schedule

A student may cancel registration during the first five days of a semester or Summer session by submitting a written request to the Office of the University Registrar, *A3900 University Center*, or to Withdrawal Services, *A4300 University Center*. Students who cancel their registration within this time frame are not liable for tuition; if tuition has been paid, such students should request a full refund of fees. Beyond the fifth day of the semester, a student cannot voluntarily cancel registration but must apply for withdrawal from the University. Students who cancel their registration and are not enrolled for the following term (not enrolled for two consecutive terms) must apply for readmission.

Financial Aid

Assistant Vice President - Financial Aid, Office of Financial Aid: Darryl Marshall

General Information

Florida State University recognizes the high cost of education today and makes every effort to offer financial assistance through a variety of programs to qualified students. In addition to providing funds on the basis of demonstrated financial need in the form of grants, work-study awards, and loans, the University offers scholarships to recognize and reward talent, academic achievement, and meritorious performance.

The Office of Financial Aid is committed to serving and guiding students through the process of applying for financial aid. Help in completing the Free Application for Federal Student Aid (FAFSA) is available from professional financial aid counselors located in the *University Center Building A, Room 4400*.

After a student completes the FAFSA and is admitted, she or he can access the financial aid file and monitor its status by visiting <http://www.finaid.fsu.edu/>. This site also provides information on any outstanding documents required to complete the financial aid file. Upon admission and completion of the financial aid file a student's financial aid award may also be found on this site.

The hours of operation for the Office of Financial Aid are 8:30 a.m. to 5:00 p.m., Monday through Friday. Counseling is available by phone at (850) 644-0539 or at the information center Monday through Friday, 8:30 a.m. to 5:00 p.m.

Panama City Campus

Students who intend to enroll at the Panama City campus and are in need of financial support should contact: *Coordinator for Financial Aid/Veteran Affairs, Office of Student Affairs, 4750 Collegiate Drive, Panama City, FL 32405*, or by phone at (850) 872-4750.

Undergraduate Students

Undergraduate students may apply for many types of aid, including scholarships, grants, work study, and loans. To apply for federal and state grants, federal work-study and/or federal loans, students must complete the Free Application for Federal Student Aid (FAFSA) at <http://www.fafsa.ed.gov>. Students who have previously completed a baccalaureate degree may not be eligible for all types of aid when seeking a second undergraduate degree.

Graduate Students

Graduate students may apply for federal loans and federal work-study by completing the Free Application for Federal Student Aid (FAFSA) at <http://www.fafsa.ed.gov>. Graduate fellowships and assistantships are awarded through the Graduate School and the respective academic departments.

Eligibility

Financial aid eligibility requirements normally include a minimum enrollment of twelve semester hours in a degree-granting program. Regulations governing federal and state financial aid programs require that students maintain satisfactory progress and good academic standing to receive financial aid. Twelve hours per semester constitutes a full-time load for graduate students and fellowship holders. Nine hours is defined as a full-time load for graduate assistantship holders on a quarter-time appointment or larger.

Deadlines

The federal financial aid application period for the 2013-2014 year begins January 1, 2013, and ends June 30, 2014. Some federal and institutional grant funds and federal work-study funds are limited, so students are encouraged to apply as soon as possible after January 1, 2013. Estimated student/parent tax data is needed for completion of the FAFSA document until current year taxes are filed. **The University requires a separate application for Summer financial aid.** The Summer application must be accessed through the financial aid student toolkit located on the myFSU portal at <http://my.fsu.edu>.

Financial Aid Application Process

To apply for federal, state, and institutional aid at Florida State University, students must complete the Free Application for Federal Student Aid (FAFSA). Students are encouraged to apply directly over the Internet by accessing the following Web page: <http://www.fafsa.ed.gov>.

Internet applications can be completed from any home computer with secure Internet access, or through Internet capable computers in many libraries and schools. Continuing students have access to various computer labs on campus. To apply, the following materials will be necessary to complete the data required:

1. The student's social security card and driver's license
2. W-2 forms or other records of income earned
3. If the student is required to file as a dependent student, Federal Income Tax Returns for both student and parents are required. Estimated figures are acceptable for applications completed before filing of tax return
4. Student's and student's spouse's (if married) Federal Income Tax Return (estimated figures are acceptable for application before filing of return)
5. Records of other untaxed income received, such as welfare benefits, social security benefits, TANF, and military or clergy allowances
6. Current bank statements and records of stocks, bonds, and other investments
7. Business or farm records, if applicable; and
8. Student's alien registration card, if student is not a U.S. citizen.

Note: Students may apply for financial aid before being admitted to Florida State University, but while early application for aid is recommended (as soon as possible beginning January 1), a student cannot be awarded aid until he/she is officially accepted for admission to Florida State University.

Loan Entrance Counseling Sessions and Master Promissory Note

Federal regulations require all students receiving a Federal Stafford/ Subsidized Loan, Federal Stafford Unsubsidized Loan, or Federal Perkins Loan to participate in a loan entrance counseling session and endorse a master promissory note prior to receiving the first distribution of the loan. No Federal Stafford loan or Federal Perkins loan can be disbursed until this requirement is met.

A student accepting a loan award for the first time at Florida State University can complete the loan entrance requirement by accessing the Florida State University Office of Financial Aid Web page at <http://www.finaid.fsu.edu> and clicking on the loan entrance counseling and the master promissory note links. This will connect the student with the official loan entrance counseling site, where the required information will be covered. The student will be asked to provide certain information, including reference addresses for future use. Students are strongly encouraged to print a copy of the completed confirmation page to retain for their records. Federal Perkins Loans require an institutional promissory note which can be accessed online at <http://my.fsu.edu> (from *Secure Apps*, click *Perkins Loan Promissory Note*). Students who prefer an alternative format or who have questions about loans, the loan entrance counseling, or the master promissory note information process may contact the Office of Financial Aid.

Fees and Financial Aid Students

The University distributes aid in two ways for all registered financial aid students whose funds are available to the Office of Student Financial Services. Students must complete an Account Refund Setup form online at <http://my.fsu.edu> (from *Secure Apps*, click *Account Refund Setup*) by choosing one of the following two ways to receive financial aid:

1. By Electronic Funds Transfer (EFT) to your FSUCard Account at Sun Trust. (NOTE: At the time of this publication, the University is negotiating a banking contract and the chosen bank will be published by the FSUCard Center.) The University recommends this method as the most efficient option. Approximately 80% of the student body receiving financial aid at FSU have chosen to process their aid electronically and take advantage of the latest technology in banking services; or
2. By a check mailed to your local address. It is the student's responsibility to keep his or her address record current with Florida State University. Checks are not forwarded by the post office.
3. Exceptions:
 - a. Students who have a hold on their funds must clear it by the posted deadline. Loans must be returned to the lender within twenty days of receipt. The University will make every effort to contact students by phone and e-mail. Students whose aid has not been processed by the end of the second week of the term should contact the Office of Student Financial Services at sfs@admin.fsu.edu or in person at *A1500 University Center*. In order to receive aid, a student must be enrolled for the required number of hours; and
 - b. Students whose financial aid has not arrived by the beginning of the semester should receive a tuition deferment if application was made by August 1 of each year. After the initial distribution dates at the beginning of the semester, additional funds that become available will be disbursed daily and mailed or sent to the FSUCard account in accordance with the selection made on the student's Account Refund Setup form.

The minimum number of hours required to be eligible for financial aid is six semester hours.

All financial aid students must check their financial aid status at <https://my.fsu.edu> on the scheduled date. If their online billing statement says they have a deferment or their tuition has been paid, they do not need to come to the Office of Student Financial Services. Students should check the status of their financial aid award on the published dates.

Failure to confirm that financial aid has been processed by the deadline may result in a late payment fee assessment of \$100.00. (Rate subject to change.) Students can confirm transactions and account history at <http://my.fsu.edu> (from *Secure Apps*, click *My Account Statement*).

If you have any questions, please contact the Office of Student Financial Services at (850) 644-9452, via e-mail at sfs@fsu.edu, or on the Web at <http://www.sfs.fsu.edu>.

Deadline: If the financial aid is not sufficient to cover all charges, the student is responsible for paying the balance by the tuition payment deadline (see date on the "Academic Calendar" in this *General Bulletin*). After this date, a \$100.00 late payment fee is assessed and grades will be held at the end of the semester until fees are paid in full.

Note: Financial aid students who are having their tuition paid by an agency or department billing should submit the required documents no later than the third day of the semester, but preferably immediately after registration. Intern Participation Certificates and the Florida Prepaid College Program do not pay the full amount of tuition. Students must pay the remaining balance due by the tuition payment deadline. All state employee waivers must be turned into the Registrar's office at the University Center on the fifth day of classes only. Outstanding tuition and charges from a previous semester will be deducted from financial aid received during a current semester, if registration is permitted.

Deferments, Loans, and Check Cancellation

Deferments

Students must confirm their application is complete by the first week of the semester by going to <http://my.fsu.edu> and viewing their Financial Aid Student Toolkit.

Financial aid deferments will be processed automatically for all financial aid students who meet the following criteria:

1. The student has completed the financial aid application process by the published deadline (indicated in the Financial Aid Application Packet);

AND

2. The student does not have financial aid available during financial aid distribution (the second week of the term).

Financial aid students who do not receive a financial aid deferment must pay their tuition in full by the tuition payment deadline. See the dates published in the “Academic Calendar” included in this *General Bulletin*. Failure to pay by the published deadline will result in a late payment fee assessment.

Note: Financial aid deferments expire before the end of the semester. See the *Registration Guide* for the expiration date. Students must confirm that their financial aid has arrived and all requirements have been met by the deferment expiration date. Go to <http://my.fsu.edu> (from *Secure Apps*, click *My Account Statement*). You will then see your courses and fees detailed. With your temporary deferment, your total balance may show “\$zero” (\$0.00) for the Current Term Tuition. When your financial aid arrives, the screen will show how much has been paid toward your tuition. You must ensure your financial aid pays your tuition by the deferment deadline. If you have questions, contact us at sfs@fsu.edu or (850) 644-9452. Also, check your financial aid status at <http://www.studentsfirst.fsu.edu>. If the student’s aid is not available by the expiration date, it is the student’s responsibility to pay tuition in full. Failure to pay by the expiration date will result in a late payment fee assessment of \$100.00, and your schedule for the next semester may be cancelled. Additionally, registration will not be permitted and transcripts and diplomas will not be mailed until debts are paid in full.

Short Term Loans

Students in need of funds as a result of financial aid being delayed may apply for a short term loan (also known by the name delayed delivery loan) online at <http://my.fsu.edu>. Eligibility for the loan will be determined by the type of aid awarded and the hours enrolled. Accounts in delinquent status (past due) are not eligible for loans. Short term loans will be disbursed approximately one business day after the loan has been approved and disbursed according to the disbursement method indicated on the student’s Account Refund Setup. Students must have either paid or deferred their full amount of tuition by the tuition payment deadline in order to be eligible for short term loans. Short term loans are due when the financial aid arrives, or by the financial aid deferment deadline, whichever comes first. Debts not paid will prohibit students from using University services such as registration, transcripts, etc.

Short term loans **are not available** until the financial aid distribution period. Students should come prepared to buy books, as financial aid distribution does not take place until the second week of the term.

Emergency Loans

Students who have emergency situations such as death in the family or unexpected major medical or dental bills may apply for an emergency loan at the Office of Financial Aid. Documentation and a picture ID are required to receive an emergency loan. Accounts in delinquent status are not eligible for loans. Loans must be paid by the due date, and University services will not be granted until paid in full.

Check Cancellation

Any Stafford Loan check available at financial aid distribution that is not disbursed by the check cancellation deadline will be returned to the lender for cancellation.

Loan Cancellation and Refusals

Students should notify the Office of Financial Aid to decline or refuse an awarded loan (Perkins, GSL, UGSL) prior to it being disbursed to the student. Financial aid is processed at the end of the first week of each semester and it arrives thereafter. If the loan has already been disbursed, the student is required to notify Student Financial Services in writing within fourteen days that they do not want part or the entire loan they have received. A form can be completed at the Office of Student Financial Services and repayment can be made to Florida State University by FSUCard, cash, cashier’s check, or money order, or the original check can be brought to the Office of Student Financial Services, *A1500 University Center*. Students who want to refuse loans after the fourteen-day notification period must contact their lender for repayment.

Loan Exit Interviews

Federal and University regulations require that all recipients of federal loans participate in an exit interview counseling session upon graduation, withdrawal from the university, or dropping below six semester hours. These loans include Perkins (NDSL), Subsidized Stafford (GSL), and Unsubsidized Stafford (UGSL) loans. Failure to complete this procedure will result in the withholding of diploma, transcripts, and other University services. To complete this requirement, students should go to the *Secure Apps* page on the myFSU portal (<http://my.fsu.edu>) and select the *Exit Interview for Financial*

Aid option. Students will need their user name and password to sign onto the myFSU portal session. Students planning to continue their academic studies at Florida State University should contact the Office of Student Financial Services at *A1500 University Center* to ensure that their exit interview stop is removed.

Additional Sources of Financial Aid

A listing of additional sources of financial aid such as scholarships or private educational loans can be found on the Financial Aid Web site at <http://www.finaid.fsu.edu>. Individual departments described in the “Academic Departments and Programs” section of this *General Bulletin* list scholarships, as well as assistantships available for students of specific majors.

The Federal Work Study Program (FWSP)

The FWSP is a federally funded financial aid program, administered by the Office of Financial Aid, that enables students to earn a portion of their financial aid award. This program offers a positive alternative to loan indebtedness through meaningful part-time employment. Weekly work schedules are mutually determined by the student and the employing department to suit the student’s class/exam schedule and the employer’s needs. By federal regulation, the work schedule cannot interfere with a student’s class schedule. Federal Work Study is a need-based program, and is awarded on a first-come, first-served basis.

Students may also utilize their Federal Work Study awards by participating in community service through the **Community Service Work Study Program (CSWSP)**. This program is designed to locate and develop off-campus community service jobs and offer referrals for eligible students. Community service improves the quality of life of local residents, as well as encourages student awareness and continued participation in society at large. Students may assist with programs related to health care, child care, literacy training, education (including tutoring), welfare, and social services. Some students may serve as mentors for educational and recreational activities or work as counselors in areas such as career counseling.

To determine eligibility for the FWSP and CSWSP, students must apply for financial aid at Florida State University by completing the *Free Application for Federal Student Aid (FAFSA)*, and by submitting all other required documentation.

Scholarships

Florida State University recognizes and rewards high academic achievement and awards scholarships on a competitive basis. All eligible students will automatically be considered at the time of their admission for these scholarships, which are administered by the Office of Admissions.

In addition, the individual departments described in the “Academic Departments and Programs” section of this *General Bulletin* list scholarships and assistantships available for students of specific majors.

The Florida Department of Education, located in Tallahassee, FL, offers a number of programs for scholarships, grants, and loans to help defray a student’s cost of education. These programs are available only to Florida residents. Contact the Florida Department of Education at (888) 827-2004; <http://www.fldoe.org>. Residents of other states should check with their state’s Department of Education for additional aid that may be available to them.

Visit the Office of Financial Aid Web site at <http://www.financialaid.fsu.edu> to find a list of scholarships available through the State of Florida, Florida State University, and the FSU Foundation (private donor scholarships). There are also links to other legitimate scholarship search Web sites.

Students receiving scholarship checks directly from a benefactor must bring them to the Office of Student Financial Services for processing at *A1500 University Center*.

HOUSING

Director of University Housing: Adrienne Otto Frame, *109 Student Life Building*

Residence Halls

The **Office of University Housing** is responsible for all on-campus housing facilities and programs for residents. The office provides living accommodations for full-time, degree-seeking, fee-paying students. All assignments are made without regard to race, religion, or national origin. Some rooms and apartments are adapted for residents who have physical disabilities.

University facilities on the main campus include 18 residence halls accommodating approximately 6,579 single undergraduates and graduate students in a variety of community, suite, and apartment-style housing spaces. The chart below lists each residence hall; its visitation policy; whether the facility's residents are male, female, or coed; and the special programs available in each residential area.

For the security of the residents, entrances to residence halls are locked at all times. Residents must use their FSUCards to enter. Visitors must be escorted in the building at all times by a resident.

Each room is furnished with a bed for each resident, study desks, chairs, dresser space, a small refrigerator, a wired internet port for each resident. Phone and cable services can be contracted for an additional charge. Residents must provide their own linens. Bicycle pads for parking are situated outside each hall, but residents must provide their own lock and chain.

Alumni Village

Graduate students, older undergraduate students, and students with dependents are eligible for housing in Alumni Village, an apartment complex one and a half miles from campus. Alumni Village offers 712 one, two, and three-bedroom furnished apartments. Residents have access to a preschool, laundry facilities, a recreation building, and playgrounds on the premises. The Alumni Village Office provides assistance and coordinates programs for residents.

Costs

Residence Halls for Single Undergraduate Students

Semester rate includes utilities, mail service, wired and wireless internet, and a refrigerator. Rental rates and payment due dates are provided on the University housing Web site at <http://www.housing.fsu.edu>.

Alumni Village

One-bedroom furnished apartment:	\$420.00*
Two-bedroom furnished apartment:	\$445.00–\$580.00*
Three-bedroom furnished apartment:	\$660.00*

Note: Monthly rate does not include utilities except garbage collection.

*All housing rental fees are established by Florida State University and are subject to approval by the State Board of Education. University Housing is a self-supporting auxiliary, and rental rates must reflect operating costs. Fees quoted are 2013–2014 figures.

Visitation Options

Limited Visitation. Visitation within student rooms by members of the opposite gender is permitted during the following hours: Sunday through Thursday, 11:00 a.m. to 12:00 midnight; and Friday and Saturday, 11:00 a.m. to 2:00 a.m.

Self-Regulated. Visitation within student rooms by members of the opposite gender is determined by mutual agreement among roommates or suitemates at the beginning of the year and whenever occupancy changes.

Contracts

Upon notice of admission, students receive information about housing which includes information about how to submit a housing contract electronically. The contract is available at <http://www.housing.fsu.edu>.

As space is limited, interested students are urged to submit their contract and advance payment as quickly as possible. Assignments are made on a priority basis: (1) returning students; and (2) all new residents (3) by the date application and payment are received in the Office of University Housing. Although new residents are given the opportunity to express preference, no guarantee can be given that specific room or hall preferences can be met.

The **Housing Contract** for residence hall students are for the contract period for the semester(s) for which the student contracts. All students who accept

the Housing Contract and enroll in the University are rent obligated for the period of the contract. Academic year contracts include both Fall and Spring semesters and are not eligible for cancellation except as stated in the contract terms and conditions.

Special Living Units

Although no student is required to reside in University housing facilities, entering freshmen are encouraged to do so to avail themselves of the opportunities provided by the University Housing staff. University Housing has developed a housing program that is committed to providing a comfortable environment that promotes and supports the educational mission of the University. Great effort is taken to provide students with a variety of alternatives and choices in residence hall living.

In addition to its variety of facilities, University Housing is committed to providing students with a wide range of activities and programs that are designed for their needs. Full-time student affairs professionals, graduate assistants, and student staff reside within the halls both to assist residents with academic and interpersonal problems and to organize social, recreational, and educational events. Residents are encouraged to be active in their communities through their hall governments.

Several special living units help to develop a sense of community among their residents. Here students join together to share personal and academic interests. Liberal studies honors students may reside in Landis Hall, where staff and residents share a commitment to the honors program.

The **Bryan Hall Learning Community** is designed to help students succeed during the critical first year of college. Students in Bryan experience the benefits of living in a close-knit, supportive community; get to know faculty on a personal basis; receive academic support as needed; and become involved in campus activities.

Cawthon Hall is home to two learning communities: the **Women in Math, Science, and Engineering (WIMSE)**, and the **Music Living-Learning Center**. The Women in Math, Science and Engineering Program provides support for women studying science, mathematics, and engineering fields through faculty interaction, study groups, and peer education. The Music Living-Learning Center in Cawthon provides first- and second-year music students the opportunity to live and study in a residential college environment. This program creates opportunities for students to evaluate the place and purpose of music in their lives, as a career, as a creative outlet, as a life-long avocation, and as a means of serving others and benefiting their community.

DeGraff Hall is home to the **Social Science and Public Affairs Learning Community**. This community is designed to give students with an interest in public affairs and international service the opportunity to explore the rich resources of the University.

Reynolds Hall is home to the **Wellness Lifestyle Program** and the **Pre-Health Professions Learning Community**. The Pre-Health Professions Learning Community is focused on the transition to college with an emphasis on wellness for the individual, family, and community. Students will have the opportunity to take part in designated courses with a small class atmosphere, fun social activities, and the chance to interact with leading experts in the field of wellness. Students who take part in this program must abide by the Reynolds Hall Wellness Agreement.

Wildwood Hall is home to two learning communities: the **Social Justice Living-Learning Community** and **Nursing Living-Learning Community**. The Social Justice Living Learning Community in Wildwood Hall is designed for students who desire to understand and practice social justice. The College of Nursing Living-Learning Community at Wildwood is for freshman students who have declared nursing as their major.

For additional information about special programs, please visit the University Housing Web site at <http://www.housing.fsu.edu>.

Other Options

Students who are unable or choose not to live in University housing have several housing options. A considerable number of apartments and homes located near campus are available for rent. Greek organization houses accommodate some of their members.

The **Southern Scholarship Foundation** provides scholarship housing in a cooperative living environment for a limited number of students who have excellent academic records and financial need. Students share all household duties. Each foundation house is supervised by a head-resident upper-level student who resides with the students. Applications are accepted from all clas-

sification levels throughout the year. *The Southern Scholarship Foundation, 322 Stadium Drive, Tallahassee, FL 32304; (850) 222-3833; <http://www.southern scholarship.org>.*

The **Off-Campus Housing Office**, a Student Government funded agency, serves as an information center, assisting students who seek off-campus housing. The office maintains a list of area houses, apartments, private residence halls, scholarship houses, and mobile homes. The information available includes rental cost, deposit, distance from campus, lease terms, and amenities. Roommate requests are posted on a bulletin board outside the office located at 229–230 *Activities Building, Oglesby Union*.

Residence Halls

Halls	Residents	Visitation Policy	Special Programs/Comments
Broward	Co-ed	Self-regulated	Suite Style
Bryan	Co-ed	Self-regulated	Bryan Hall Learning Community; freshmen only. Suite Style
Cawthon	Co-ed	Self-regulated	Women in Math, Science, and Engineering Program. Music Living-Learning Center. Suite Style
DeGraff	Co-ed	Self-regulated	Public Affairs Learning Community. Suite Style
Deviney	Co-ed	Limited	Community-style living
Dorman	Co-ed	Limited	Community-style living
Gilchrist	Co-ed	Self-regulated	Suite Style
Jennie Murphree	Women	Limited	Suite Style
Kellum	Co-ed	Limited	Community-style living
Landis	Co-ed	Self-regulated	Suite Style; Honors Community
Reynolds	Co-ed	Self-regulated	Wellness Lifestyle Program; Pre-Health Professions Learning Community; Suite Style
Salley	Co-ed	Self-regulated	Suites: two students/bedroom, four/suite including bath
Smith	Co-ed	Limited	Community-style living
Wildwood	Co-ed	Self-regulated	Social Justice Living-Learning Community; Nursing Living-Learning Community; Suite Style

Apartments

Halls	Residents	Visitation Policy	Special Programs/Comments
McCollum	Co-ed	Self-regulated	Older undergraduates and graduates
Rogers	Co-ed	Self-regulated	Older undergraduates and graduates
Ragans	Co-ed	Self-regulated	Older undergraduates and graduates
Traditions	Co-ed	Self-regulated	Older undergraduates and graduates

ORIENTATION

Office of New Student & Family Programs

Assistant Dean of Students/Director: Patrick Heaton; **Associate Director:** Andrea Failing

All new undergraduate students are required to attend an orientation, advisement, and registration session coordinated by the Dean of Students Department's Office of New Student & Family Programs. During orientation, students are given essential information: the University's policies and procedures, community values and standards, and academic requirements and opportunities. Students also receive practical advice on consumer survival: where to buy books, open checking accounts, or meet other students with similar interests.

In addition to meeting faculty and administrators, students are assigned to small groups led by trained staff members, comprised of currently enrolled students, who inform and guide the newcomers. Students must meet with their academic advisers before registering for classes.

Students may not register for their first semester of courses until they have completed an orientation session. The Office of New Student & Family Programs provides sessions preceding each academic term.

Orientation sessions include a concurrent session for family members. During these sessions family members learn about the University, its services and academic programs, and meet with administrators and faculty. New Student & Family Programs also coordinates a shared reading program (One Book / One Campus) for first-year students. Family Members have the option to participate in Family Connection (<http://family.fsu.edu>), an association for the family members of current Florida State University students.

All admitted undergraduate students receive information and instructions about registering for orientation by mail upon admission. Attendance is by reservation only, and participants must pay a nonrefundable fee. For more information about orientation or other programs, please visit <http://www.nsfj.fsu.edu> or call (850) 644-2785.

Persons with Disabilities. Any student in need of specific services and reasonable accommodations should contact the Student Disability Resource Center, 1st Floor, Student Services Building; (850) 644-9566; <http://www.disabilitycenter.fsu.edu>.

Center for Global Engagement

Director: Cynthia Green; **Associate Director:** Kristen Hagen; **Assistant Directors:** Joy M. Ira, Leigh Ann Osborne

In addition to the University Orientation mentioned above (see 'Office of New Student & Family Programs'), new international students are also required to attend an International Student Orientation. This mandatory orientation for new international students is held just before the start of the Fall, Spring, and Summer semesters (before each Summer session) for students coming directly from abroad, transfer students, and students readmitted to the University after an absence of two or more semesters. International students receive notification of International Student Orientation dates and times in the welcome letter sent to them along with the appropriate immigration form (I-20 or DS-2019).

During International Student Orientation, students are provided with important information on maintaining their legal non-immigrant student visa status while obtaining their academic degree at FSU. Federal regulations make it essential that students know and understand their responsibilities under federal immigration law.

Students receive the International Student Handbook, as well as information about Center for Global Engagement services and programs, and University and community resources. They receive information and guidance on various topics including housing, utilities and transportation, insurance, immunization and other health requirements, registration and fee payment, and more.

Note: Incoming students may register for classes only after presenting their immigration documents to the Center for Global Engagement staff, obtaining health insurance, clearing required immunizations at University Health Services, and attending the International Student Orientation.

To obtain more information on F1 and J1 student visa status and on the Center for Global Engagement and its services and programs, please visit <http://cge.fsu.edu> or contact the Center for Global Engagement at 110 South Woodward Avenue; phone (850) 644-1702; fax (850) 644-9951; e-mail: cge@admin.fsu.edu.

ACADEMIC INTEGRITY AND GRIEVANCES

A Summons to Responsible Freedom

Values and Moral Standards at Florida State University

The moral norm, which guides conduct and informs policy at Florida State University, is responsible freedom. Freedom is an important experience that the University, one of the freest of institutions, provides for all of its citizens: faculty, students, administrators, and staff. Freedom is responsibly exercised when it is directed by ethical standards.

As the Florida public university most deeply rooted in the liberal arts tradition, Florida State University not only focuses on intellectual development, but as a community engaged in moral discourse, it also recognizes the need for the development of the whole person. The University maintains a comprehensive educational program ranging from classroom instruction to research and creative activities at the frontiers of human knowledge. These modes of searching for the truth are mutually enhancing and provide the context for the liberating experiences students gain from contact with ideas and individuals. Education based in the liberal arts provides an opportunity for students to learn to express themselves; to think critically both quantitatively and qualitatively; to gain an understanding of and respect for self and others; to understand the world by knowing more about its history, the role of science and technology, and social and cultural achievements; and to develop specialized talents for a vocation. This opportunity is provided with the conviction, as reflected in the University seal, that through such an educational experience one can come to a clearer understanding of the complex moral issues inherent in human life and can develop the knowledge and skills for effective and responsible participation in the world.

Florida State University shares a commitment to the dignity and worth of each person and is guided in its many endeavors by that underlying value. Through academic activity, community involvement, social interaction, cultural experience, recreational and physical activity, and religious involvement, students find many avenues in the University community for the development of the whole person.

The University shares this society's commitment to the rule of law and expects members of the community to abide by the laws of the city, state, and nation, as well as University rules and regulations.

The University aspires to excellence in its core activities of teaching, learning, research, creative expression, and public service and is committed to the integrity of the academic process. The Academic Honor Code is a specific manifestation of this commitment. Truthfulness in one's claims and representations and honesty in one's activities are essential in life and vocation, and the realization of truthfulness and honesty is an intrinsic part of the educational process.

The University is a place of both assent and dissent and is committed to academic freedom and civil dialogue. In a free and vigorous academic community an ongoing clash of ideas is to be expected and encouraged. The University has a special obligation to see that all have an opportunity to be heard.

Florida State University is committed to nondiscrimination in matters of race, creed, color, sex, religion, national origin, age, disability, veterans' or marital status, sexual orientation, gender identity, gender expression, or any other protected group status. This commitment applies in all areas with students, faculty, and other University personnel. It addresses recruiting, hiring, training, promotions, and applicable employment conditions. It is also relevant to those aspects of the University concerned with the choice of contractors, suppliers of goods and services, and with the use of University facilities. The University believes in equal opportunity practices that conform to both the spirit and the letter of all laws against discrimination.

A responsible student recognizes that freedom means the acknowledgement of responsibility to the following: to justice and public order; to fellow students' rights and interests; to the University, its rules, regulations, and accepted traditions; to parents, teachers, and all others whose support makes one's advanced education possible; to city, state, and national laws; to oneself; and to the opportunity for specialized training and continuing education toward the ends of personal fulfillment and social service. Students are urged to use their freedom in the University community to develop habits of responsibility that lead to the achievement of these personal and social values. Responsible student behavior requires observance of the Student Conduct Code, which is based on respect for the dignity and worth of each person and the requirements for successful community life.

Relations among all persons should be characterized by mutual respect and equality. Sexism, sexual harassment, and sexual coercion of any sort are

wrong and constitute a violation of fundamental moral requirements and state law. Minimally responsible behavior requires that no one take sexual advantage of another.

The University enforces all laws relevant to alcohol and controlled substances and further strongly discourages the use of illegal substances at any time. The University disseminates and encourages the dissemination by others of information concerning the responsible use of alcohol.

The cultural, ethnic, and racial diversity of the University community provides an opportunity for learning about those different from oneself. The University expects each individual to make a special effort to ensure that all are treated with dignity and respect and accorded the full opportunities of the University. Racism, whether in assumptions, attitudes, acts, or policies, is incompatible with the concept of responsible freedom as espoused by Florida State University.

The University is a compassionate community. In its treatment of students, it recognizes the wisdom both of letting students experience the consequences of their actions and of providing the opportunity to learn and grow in ways that can overcome past difficulties. The University provides ongoing student support through the health center, counseling services, and the academic advising process.

The university experience is a time for adventure, fun, excitement, the making of new friends, and the discovery of new possibilities. There are numerous individual and organized opportunities for students to develop and to learn in the course of their university years to exercise newly acquired freedom deliberately and responsibly.

Matriculation to Florida State University, then, is a summons to the exercise of responsible freedom in a community of teaching, learning, and discovery.

Integrity in Research and Creative Activity

It is the policy of Florida State University to uphold the highest standards of integrity in research and creative activity, and to protect the right of its employees to engage in research and creative activity. Detailed policies and procedures can be found in the *Faculty Handbook* under "Section 6: Policies and Procedures."

Academic Honor Policy

Note: The Office of the Dean of the Faculties has been replaced by the Office of the Vice President for Faculty Development and Advancement.

Introduction

The statement on 'Values and Moral Standards at FSU' says: "The moral norm which guides conduct and informs policy at Florida State University is responsible freedom. Freedom is an important experience which the University, one of the freest of institutions, provides for all of its citizens – faculty, students, administrators, and staff. Freedom is responsibly exercised when it is directed by ethical standards." (See above 'Values and Moral Standards at FSU' section of this chapter.)

The statement also addresses academic integrity: "The University aspires to excellence in its core activities of teaching, research, creative expression, and public service and is committed to the integrity of the academic process. The [Academic Honor Policy] is a specific manifestation of this commitment. Truthfulness in one's claims and representations and honesty in one's activities are essential in life and vocation, and the realization of truthfulness and honesty is an intrinsic part of the educational process." (See above 'Values and Moral Standards at FSU' section of this chapter.)

Guided by these principles, this Academic Honor Policy outlines the University's expectations for students' academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty throughout the process. The Academic Honor Policy Committee may take direct jurisdiction of a case under extraordinary circumstances when it is determined by a majority vote of the committee that taking direct jurisdiction is appropriate.

Students in the College of Law and the College of Medicine are governed by the academic integrity policies and procedures of their respective colleges, which are subject to approval by the Academic Honor Policy Committee.

FSU Academic Honor Pledge

I affirm my commitment to the concept of responsible freedom. I will be honest and truthful and will strive for personal and institutional integrity at The Florida State University. I will abide by the Academic Honor Policy at all times.

Academic Honor Violations

Note: Instructors are responsible for reinforcing the importance of the Academic Honor Policy in their courses and for clarifying their expectations regarding collaboration and multiple submission of academic work. Examples have been provided for the purpose of illustration and are not intended to be all-inclusive.

1. **Plagiarism.** Presenting the work of another as one's own (i.e., without proper acknowledgement of the source). Typical examples include: Using another's work from print, web, or other sources without acknowledging the source; quoting from a source without citation; or using facts, figures, graphs, charts or information without acknowledgement of the source.
2. **Cheating.** Improper access to or use of any information or material that is not specifically condoned by the instructor for use in the academic exercise. Typical examples include: Copying from another student's paper or receiving unauthorized assistance during a quiz, test, or examination; using books, notes, or other devices (e.g., calculators, cell phones, or computers) when these are not authorized; procuring without authorization a copy of or information about an examination before the scheduled exercise; or unauthorized collaboration on exams.
3. **Unauthorized Group Work.** Unauthorized collaborating with others. Typical examples include: Working with another person or persons on any activity that is intended to be individual work, where such collaboration has not been specifically authorized by the instructor.
4. **Fabrication, Falsification, and Misrepresentation.** Unauthorized altering or inventing of any information or citation that is used in assessing academic work. Typical examples include: Inventing or counterfeiting data or information; falsely citing the source of information; altering the record of or reporting false information about practicum or clinical experiences; altering grade reports or other academic records; submitting a false excuse for absence or tardiness in a scheduled academic exercise; or lying to an instructor to increase a grade.
5. **Multiple Submissions.** Submitting the same academic work (including oral presentations) for credit more than once without instructor permission. It is each instructor's responsibility to make expectations regarding incorporation of existing academic work into new assignments clear to the student in writing by the time assignments are given. Typical examples include: Submitting the same paper for credit in two courses without instructor permission; or making minor revisions in a credited paper or report (including oral presentations) and submitting it again as if it were new work.
6. **Abuse of Academic Materials.** Intentionally damaging, destroying, stealing, or making inaccessible library or other academic resource material. Typical examples include: Stealing or destroying library or reference materials needed for common academic purposes; hiding resource materials so others may not use them; destroying computer programs or files needed in academic work; stealing, altering, or intentionally damaging another student's notes or laboratory experiments. This refers only to abuse as related to an academic issue.
7. **Complicity in Academic Dishonesty.** Intentionally helping another to commit an act of academic dishonesty. Typical examples include: Knowingly allowing another to copy from one's paper during an examination or test; distributing test questions or substantive information about the material to be tested before a scheduled exercise; deliberately furnishing false information.
8. **Attempting to commit any offense as outlined above.**

Student Rights

Students have the following important due process rights, which may have an impact on the appellate process:

1. to be informed of all alleged violation(s), receive the complaint in writing (except in a Step 1 agreement, described in the Procedures Section, where the signed agreement serves as notice), and be given access to all relevant materials pertaining to the case.
2. to receive an impartial hearing in a timely manner where they will be given a full opportunity to present information pertaining to the case.
3. Students are also accorded the following prerogatives:

4. when possible, to discuss the allegations with the instructor.
5. privacy, confidentiality, and personal security.
6. to be assisted by an adviser who may accompany the student throughout the process but may not speak on the student's behalf.
7. to choose not to answer any question that might be incriminating.
8. to contest the sanctions of a first-level agreement and to appeal both the decision and sanctions of an Academic Honor Hearing.

The student has the right to continue in the course in question during the entire process. Once a student has received notice that he/she is being charged with an alleged violation of the Academic Honor Policy, the student is not permitted to withdraw or drop the course unless the final outcome of the process dictates that no academic penalty will be imposed. Should no final determination be made before the end of the term, the grade of "Incomplete" will be assigned until a decision is made.

Students should contact the Dean of Students Department for further information regarding their rights.

Procedures for Resolving Cases

Step 1.

Throughout the Step 1 process, the instructor has the responsibility to address academic honor allegations in a timely manner, and the student has the responsibility to respond to those allegations in a timely manner. For assistance with the Academic Honor Policy, students should consult the Dean of Students Department and instructors should consult the Office of the Dean of the Faculties.

If a student observes a violation of the Academic Honor Policy, he or she should report the incident to the instructor of the course. When an instructor believes that a student has violated the Academic Honor Policy in one of the instructor's classes, the instructor must first contact the Office of the Dean of the Faculties to discover whether the student has a prior record of academic dishonesty in order to determine whether to proceed with a Step 1 agreement. The instructor must also inform the department chair or dean. (Teaching assistants must seek guidance from their supervising faculty member and adjunct instructors must seek guidance from their department chair.) However, faculty members or others who do not have administrative authority for enforcing the Academic Honor Policy should not be informed of the allegation, unless they have established a legitimate need to know. If pursuing a Step 1 agreement (refer to <http://fda.fsu.edu/Academics/Academic-Honor-Policy>) is determined to be possible, the instructor shall discuss the evidence of academic dishonesty with the student and explore the possibility of a Step 1 agreement (refer to <http://fda.fsu.edu/Academics/Academic-Honor-Policy>). Four possible outcomes of this discussion may occur:

1. If the charge appears unsubstantiated, the instructor will drop the charge, and no record of academic dishonesty will be created. The instructor should make this decision using the "preponderance of the evidence" standard.
2. The student may accept responsibility for the violation and accept the academic sanction proposed by the instructor. In this case, any agreement involving an academic penalty must be put in writing and signed by both parties on the "Academic Honor Policy Step 1 Agreement" form (refer to <http://fda.fsu.edu/Academics/Academic-Honor-Policy>) which must then be sent to the Dean of Students Department. This agreement becomes a confidential student record of academic dishonesty and will be removed from the student's file five years from the date of the final decision in the case. Any grade imposed as the result of an academic sanction will remain on the student's transcript indefinitely and will not be subject to course drop or withdrawal.
3. The student may accept the responsibility for the violation, but contest the proposed academic sanction. In this circumstance, the student must submit the "Academic Honor Policy Referral to Contest Sanction" form (refer to <http://fda.fsu.edu/Academics/Academic-Honor-Policy>) along with supporting documentation to the Office of the Dean of the Faculties. The Dean of the Faculties (or designee) will review the submitted documentation to determine whether the instructor has imposed a sanction that is disproportionate to the offense. The Dean of the Faculties may affirm or modify the sanction as appropriate. The decision that results from this review is final.
4. The student may deny responsibility. In this circumstance, the instructor submits the "Academic Honor Policy Hearing Referral" form (refer to <http://fda.fsu.edu/Academics/Academic-Honor-Policy>) along with supporting documentation to the Office of the Dean of the Faculties for an Academic Honor Policy Hearing. The student is issued a letter detailing the charges within ten class days of the receipt of the referral,

and the schedule for the hearing will be set as soon as possible and within ninety days from the date of the letter. These timelines may be modified in unusual circumstances. Unless all parties agree, the hearing will not be held any sooner than seven class days from the student's receipt of the charge letter. The process then proceeds to Step 2.

If the student is found to have a prior record of academic dishonesty or the serious nature of the allegations merits a formal hearing, the instructor must refer the matter to Step 2 for an Academic Honor Policy Hearing by submitting the "Academic Honor Policy Hearing Referral" form (refer to <http://fda.fsu.edu/Academics/Academic-Honor-Policy>) and appropriate documentation to the Office of the Dean of the Faculties.

Allegations of academic dishonesty involving a graduate student engaged in any phase of the preliminary examination, thesis, or dissertation will be treated as egregious and will be resolved through the Step 2 process, in which the major professor will serve as the "instructor" under the hearing procedures. The Dean of the Faculties and the student's academic dean, (as well as the Vice President for Research in cases involving grant-funded research), should be informed as soon as possible of all such allegations. The decision regarding whether to submit a hearing referral will be made by a committee consisting of the department chair and two faculty members appointed by the academic dean, one of whom should be the student's committee member serving as the University representative (if one has been identified), excluding the major professor. In rendering its decision, this committee should review all available information and consult with the major professor and the academic dean.

Step 2.

Academic Honor Policy Hearing.

A panel consisting of five members shall hear the case. The panel shall include: one faculty member appointed by the dean from the unit in which the academic work is conducted; one faculty member appointed by the Dean of the Faculties who is not from that unit; and two students appointed through procedures established by the Dean of Students Department. The panel shall be chaired by the Dean of the Faculties (or designee), who votes only in case of a tie.

The hearing will be conducted in a non-adversarial manner with a clear focus on finding the facts within the academic context of the academic work. The student is presumed innocent going into the proceeding. After hearing all available and relevant information from the student and the instructor, the panel determines whether or not to find the student responsible for the alleged violation using the "preponderance of the evidence" standard. If the student is found responsible for the violation, the panel is informed about any prior record of academic honor policy violations and determines an academic sanction (and disciplinary sanction, if appropriate). In some cases, a Step 1 sanction may have been appropriately proposed prior to the convening of an Academic Honor Hearing. If the student is found responsible in these cases, the panel typically will impose a sanction no more severe than that which was proposed by the faculty member. The panel is required to provide a clear written justification for imposing a sanction more severe than the sanction proposed in Step 1.

The chair of the Academic Honor Policy hearing panel will report the decision to the student, the instructor, the academic unit, the Dean of Students Department, and the Registrar, if appropriate. If the student is found "responsible," this outcome will be recorded with the Dean of Students Department and becomes a confidential student record of an Academic Honor Policy violation. Records in which suspension or a less severe sanction (including all academic sanctions) is imposed will be removed five years from the date of the final decision in the case. Any grade imposed as the result of an academic sanction will remain on the student's transcript indefinitely and will not be subject to course drop or withdrawal. Records involving dismissal and expulsion will be retained permanently, except in cases where a dismissed student is readmitted. Those records will be removed five years from the date of the student's readmission.

Sanctions

Step 1.

This Step 1 procedure is implemented with first-offense allegations that do not involve egregious violations. The decision regarding whether an allegation is egregious is made by the Dean of the Faculties (or designee) and the instructor. The criteria used by the instructor to determine the proposed academic penalty should include the seriousness and the frequency of the alleged violation. The following sanctions are available in the Step 1 procedure.

1. **Additional academic work**
2. **A reduced grade (including "0" or "F") for the assignment**
3. **A reduced grade (including "F") for the course**

Step 2.

An Academic Honor Policy Hearing is held for all second offenses, for all first offenses that involve egregious violations of the Academic Honor Policy, for all offenses that involve simultaneous violations of the Student Conduct Code, and in all cases where the student denies responsibility for the alleged violation. The decision regarding whether an allegation is egregious is made by the Dean of the Faculties (or designee) and the instructor. In some cases, a Step 1 sanction may have been appropriately proposed prior to the convening of an Academic Honor Policy Hearing. If the student is found responsible in these cases, the panel typically will impose a sanction no more severe than that which was proposed by the faculty member. The panel is required to provide a clear written justification for imposing a sanction more severe than the sanction proposed in Step 1. Students will not be penalized solely for exercising their right to request a Step 2 hearing. The following sanctions are available in Step 2 (see the Procedures section) and may be imposed singly or in combination:

1. **Additional academic work**
2. **A reduced grade (including "0" or "F") for the assignment**
3. **A reduced grade (including "F") for the course**
4. **Reprimand (written or verbal)**
5. **Educational Activities** – attendance at educational programs, interviews with appropriate officials, planning and implementing educational programs, or other educational activities. Fees may be charged to cover the cost of educational activities.
6. **Restitution**
7. **Conduct Probation** – a period of time during which any further violation of the Academic Honor Policy may result in more serious sanctions being imposed. Some of the restrictions that may be placed on the student during the probationary period include, but are not limited to: participation in student activities or representation of the University on athletic teams or in other leadership positions.
8. **Disciplinary Probation** – a period of time during which any further violation of the Academic Honor Policy puts the student's status with the University in jeopardy. If the student is found "responsible" for another violation during the period of Disciplinary Probation, serious consideration will be given to imposing a sanction of Suspension, Dismissal, or Expulsion. The restrictions that may be placed on the student during this time period are the same as those under Conduct Probation.
9. **Suspension** – Separation from the University for a specified period, not to exceed two years.
10. **Dismissal** – Separation from the University for an indefinite period of time. Dismissal is considered a final sanction, but readmission is possible in some cases under documented exceptional circumstances. No consideration will be given to readmitting a dismissed student within the first three years after a dismissal is imposed.
11. **Expulsion** – Separation from the University without the possibility of readmission.
12. **Withholding of diplomas, transcripts, or other records for a specified period of time.**
13. **Suspension of degree, in cases where an offense is discovered after the degree is posted.**
14. **Revocation of degree, in cases where an offense is discovered after the degree is posted.**

Appeals

Decisions of the Academic Honor Policy Hearing Panel may be appealed to the Academic Honor Policy Appeal Committee, a standing four-member committee composed of two faculty appointed by the President and two students appointed by the Vice President for Student Affairs. The chair will be appointed annually by the President, and members will serve two-year renewable terms. In case of a tie vote regarding a case, the committee will submit a written report to the Provost, who will then make the final determination.

On appeal, the burden of proof shifts to the student to prove that an error has occurred. The only recognized grounds for appeal are:

1. Due process errors involving violations of a student's rights that substantially affected the outcome of the initial hearing.
2. Demonstrated prejudice against the charged student by any panel member. Such prejudice must be evidenced by a conflict of interest, bias, pressure, or influence that precluded a fair and impartial hearing.
3. New information that was not available at the time of the original hearing.

4. A sanction that is extraordinarily disproportionate to the offense committed.
5. The preponderance of the evidence presented at the hearing does not support a finding of responsible. Appeals based on this consideration will be limited to a review of the record of the initial hearing.

The procedures followed during the appeals process are:

1. The student should file a written letter of appeal to the Office of the Dean of the Faculties within ten class days after being notified of the Academic Honor Policy Hearing Panel decision. This letter should outline the grounds for the appeal (see 1-5 above) and should provide supporting facts and relevant documentation.
2. The Academic Honor Policy Appeal Committee will review this letter of appeal and will hear the student and any witnesses called by the student, except in appeals based on consideration #5 above. The committee may also gather any additional information it deems necessary to make a determination in the case.
3. The Appeals Committee may affirm, modify, or reverse the initial panel decision, or it may order a new hearing to be held. This decision becomes final agency action when it is approved by the Provost. In cases where the student is found responsible, the decision becomes a confidential student record of academic dishonesty.
4. Appellate decisions are communicated in writing to the student, the instructor, the Office of the Dean of the Faculties, and the Dean of Students Department within thirty class days of the appellate hearing.

Academic Honor Policy Committee

An Academic Honor Policy Committee shall be appointed by the University President. The Committee will include: three faculty members, selected from a list of six names provided by the Faculty Senate Steering Committee and three students, selected from a list of six names provided by the Student Senate. The Dean of the Faculties or designee and the Dean of Students or designee shall serve ex officio. Faculty members will serve three-year staggered terms, and students will serve one-year terms. The committee will meet at least once a semester. It will monitor the operation and effectiveness of the Academic Honor Policy, work with the Faculty Senate and the Student Senate to educate all members of the community regarding academic integrity, and make recommendations for changes to the policy.

Amendment Procedures

Amendments to the Academic Honor Policy may be initiated by the Academic Honor Policy Committee, the Faculty Senate, the Student Senate, and/or the Vice President for Academic Affairs. Amendments to the policy must be approved by both the Faculty Senate and the Student Senate.

Grievance Procedure

Students who allege that academic regulations and procedures have been improperly applied in specific instances may have their grievances addressed through the general academic appeals process. In this process, the student brings a complaint first to the instructor, then to the department chair, and finally to the academic dean appropriate to the course involved, stopping at the level at which the complaint is resolved. If no resolution is reached, the student brings the complaint to the attention of the Vice President for Faculty Development and Advancement for either resolution or referral to the Student Academic Relations Committee of the Faculty Senate. A graduate student whose complaint is unresolved must see the Dean of the Graduate School prior to meeting with the Vice President for Faculty Development and Advancement. The Student Academic Relations Committee has the authority to direct, through the Vice President for Academic Affairs, that corrective action be taken when justified.

Grievance Procedure: Panama City Campus

Students who allege that academic regulations and procedures have been improperly applied in specific instances may have their grievances addressed through the general academic appeals process. In this process, the student brings a complaint first to the instructor, then to the Panama City Associate Dean, and then to the Panama City Dean, stopping at the level at which the complaint is resolved. If no resolution is reached in Panama City, then the student will go to the department chair, and finally to the academic dean appropriate to the course involved, stopping at the level at which the complaint is resolved. If no resolution is reached, the student brings the complaint to the attention of the Vice President for Faculty Development and Advancement for either resolution or referral to the Student Academic Relations Committee of the Faculty Senate. A graduate student whose complaint is unresolved must see the Dean of the Graduate School prior to meeting with the Vice President

for Faculty Development and Advancement. The Student Academic Relations Committee has the authority to direct, through the Vice President for Academic Affairs, that corrective action be taken when justified.

Student Academic Relations Committee (SARC) of the Faculty Senate

The Faculty Senate Committee on Student Academic Relations hears appeals from students concerning decisions about their academic work which they have evidence to show to have been arrived at improperly or unprofessionally in departments, schools, or colleges. The committee elects its chair annually from among the faculty representatives and reports its findings and recommendations to the Vice President for Academic Affairs. Students wishing to make appeals to the committee on student academic relations should consult the Office of Faculty Development and Advancement. Appeals to this committee are made after all other available remedies have been exhausted.

University Student Ombudsperson

The Office of the University Ombudsperson provides students of the University community an avenue for confidential exploration of decisions regarding academic issues. Once all other appropriate mechanisms have been exhausted, students may present their case to the University Ombudsperson. The ombudsperson is a neutral facilitator and will assist students with any academic problem or grievance that may arise during their interaction with the University. While he/she may be an instrument for change, the ombudsperson does not resolve issues by any direct use of authority or power, but rather requests a reexamination of the problem.

Grade Appeals System

The purpose of the grade appeals system is to afford an opportunity for an undergraduate or graduate student to appeal a final course grade under certain circumstances. Faculty judgment of students' academic performance is inherent in the grading process and hence should not be overturned except when the student can show that the grade awarded represents a gross violation of the instructor's own specified evaluation (grading) statement and therefore was awarded in an arbitrary, capricious, or discriminatory manner. The evaluation (grading) statement utilized during the grade appeals process is the one contained in the instructor's syllabus at the beginning of the semester. This system does not apply to preliminary or comprehensive exams or to thesis or dissertation defenses; these issues are reviewed by the Student Academic Relations Committee via the Vice President for Faculty Development and Advancement.

Step 1. Within 30 calendar days following the date that final grades are made available to students, the student must contact the instructor in question to discuss the grade and attempt to resolve any differences. The student should document any attempts to contact the instructor in order to establish that the appeal was begun within this 30-day period. In the event that the instructor is not available, the student should provide that documentation to the instructor's program or department chair. It is expected that the student will first attempt to resolve the grade dispute with the instructor; however, either the student or the instructor may consult with the appropriate program or department chair during this process.

Step 2. If no resolution is reached within this 30-day period, after the student's documented attempt, the student has an additional 15 calendar days to submit a written statement to the program or department chair. This statement must include an account of attempts to resolve the issue, as well as the evidence that forms the basis for the appeal.

Within 20 calendar days thereafter, the department or program chair will arrange for a meeting of a grade appeals screening committee composed of three students enrolled in the academic unit offering the course to review the appeal. Appropriate students who have no conflict of interest will be chosen to serve on this screening committee by a student organization associated with the program or department, if such an organization exists. If none exists or if members of such an organization are not available, the department or program chair will select appropriate students who have no conflict of interest. Both the student and the instructor may attend the meeting.

The role of the screening committee is solely to determine whether the student has presented sufficient evidence to warrant further review. Within five calendar days after this meeting, the screening committee will render its decision in writing (recommend/do not recommend further review) to the program or department chair, the student, and the instructor. A negative decision will end the appeal. A positive decision will trigger the next step in the process.

Step 3. Within 20 calendar days of a positive decision from the grade appeals screening committee, the program or department chair will appoint and arrange for a meeting of a grade appeals board. This board is composed of three faculty members and two students other than those who served on the screening committee.

The purpose of this board is to determine whether or not to uphold the final grade assigned by the instructor. The board will consider only the evidence provided by the student and the instructor in making the determination. Both the student and the instructor may attend the meeting.

The grade will be upheld unless the evidence shows that the grade was awarded in an arbitrary, capricious, or discriminatory manner, as a result of a gross violation of the instructor's own evaluation (grading) statement. If the original grade is not upheld, the board will recommend that an alternative grade be assigned by the program or department chair.

If the student has evidence that this grade appeals process has deviated substantially from these established procedures, resulting in a biased decision, the student may consult with the Vice President for Faculty Development and Advancement regarding referral to the Student Academic Relations Committee.

Religious Holy Days

Per Section 1006.53, Florida Statutes, the Florida State University policy on observance of religious work-restricted holy days provides that students shall, upon notifying their instructor within the first two weeks of the semester, be excused from class to observe a religious work-restricted holy day of their faith. While students will be held responsible for the material covered in their absence, each student shall be permitted a reasonable amount of time to make up the work missed. Instructors and University administrators shall in no way arbitrarily penalize students who are absent from academic or social activities because of religious work-restricted holy day observance. Instructors will find the BBC Interfaith Calendar a useful resource as they respond to student requests for absence. Students who allege that this policy has been improperly applied in specific instances may have their grievances addressed through the general academic appeals process. In this process, the student brings a complaint first to the instructor, then to the department chair, and finally to the academic dean appropriate to the course involved, stopping at the level at which the complaint is resolved. If no resolution is reached, the student brings the complaint to the attention of the Vice President for Faculty Development and Advancement for either resolution or referral to the Student Academic Relations Committee of the Faculty Senate. This committee has the authority to recommend to the Vice President for Academic Affairs that corrective action be taken when justified. Consult the 'Grievance Procedure' section of this chapter for a complete description.

ACADEMIC ADVISING/ACADEMIC SUPPORT SERVICES

Purpose

Advising is a process that includes collection of information, interpretation of data, and dissemination of facts regarding educational programs, courses of instruction, resources, policies, procedures, and career options. Together, the adviser and the student can discuss educational goals and map out an academic program that will achieve the student's long-range goals.

The University takes academic advising seriously and accordingly has developed an official University policy.

University Policy on Advising

General Statement on Advising

To progress satisfactorily through a degree program, each student must have available ample and accurate academic advisement, tailored to individual educational needs. Florida State University is committed to a strong program of effective academic advising for all of its students. Florida State University understands academic advisement to be a function considerably broader than assistance with course scheduling. Academic advising is a process that helps students interpret the values and benefits of higher education, assists students in their choice of educational and career objectives commensurate with interests and abilities, and examines the consequences of possible short- and long-range goals.

The faculty and staff of the University affirm their responsibility to make available to every student information about academic policies and requirements, timely notification of changes either in the University's policies and curricula or in the student's academic standing, assistance in evaluating course options and in planning successful completion of educational goals, guidance in developing decision-making skills, and referral to the various academic and student support services on campus available to help the student make the most of educational opportunities. Further, the faculty and staff affirm their responsibility to inform students clearly about their own responsibilities in the advising process.

The Student's Role in Advisement

Florida State University expects students to assume an ever-increasing responsibility for their own academic progress as they move through the University. To accomplish this goal, each student will:

1. Assume responsibility for knowing the rules, regulations, and policies of the University and the requirements pertaining to the student's degree program and will consult the University *General Bulletin* and *Registration Guide* for up-to-date information;
2. Furnish a current address and immediately inform the Office of the University Registrar of any changes of address;
3. Know the student's adviser, make timely contact with the adviser upon arrival on campus and during the first semester, and continue to see the adviser at least once a term until graduation;
4. See the student's adviser or academic dean immediately after being placed on academic warning or probation;
5. Notify the appropriate dean's office of any change in intended major or any problems the student is experiencing with advisement; and
6. Recognize that the matriculation catalog (i.e., the *General Bulletin*) governs each student's graduation requirements—this catalog remains in effect for six years for the bachelor's degree unless the student elects to meet the requirements of any subsequent *General Bulletin* published during the period of enrollment.

The Faculty's Role in Advisement

1. Each college or department will formulate its own plan to meet undergraduate advising needs and problems. The plan shall include attention to appropriate advising loads and to the method of recognizing and rewarding individual advisers' work in advisement for purposes of annual evaluation, promotion, and tenure. The plan, agreed upon by the appropriate unit, shall be filed with the Dean of Undergraduate Studies and updated whenever the unit makes significant changes in advisement policies.
2. Each unit shall designate one member of the faculty or administration as director, coordinator, or undergraduate adviser for the unit. This faculty member will serve as the unit's liaison with the Division of

Undergraduate Studies to ensure that the advisers within the unit are kept abreast of changes in academic policies and procedures and to work with the Division of Undergraduate Studies to solve special advising problems. Units shall also monitor closely the quality of their advising and ensure that it meets the goals of the University.

3. The unit will not assign a first semester faculty member to advising unless there is ample evidence of prior college-level advising experience. Each adviser shall attend a workshop before beginning advising duties for the first time and at least every two years thereafter.
4. Recognizing that sound advisement and a successful undergraduate experience should begin even before the student arrives on campus, units shall communicate with students accepted as freshmen or transfer students who indicate an intended major, outlining requirements and preparatory work expected for specific degree programs. Such contact with admitted students shall be coordinated with the Office of Admissions.
5. Each unit will provide a planning guide for lower-division students working toward their majors—designed to help students understand course requirements, prerequisites, and sequences—to enable them to move into the major as efficiently and as well prepared as possible. A similar planning guide will be available for junior and senior students in the major. Both guides will be filed and updated annually with the Division of Undergraduate Studies.
6. Advisers should be aware that students transferring to Florida State University after the freshman year have as great a need for detailed information as do freshmen. Extra care should be taken to inform these students of Florida State University's rules and regulations, which may differ from their previous college-level experience.
7. Advisers should also be aware of the special needs of the exploratory/undecided majors they advise. Directors or coordinators of advising in each unit should take care to inform advisers of Advising First, Curricular-Career Information Services (CCIS), and other services on campus available to such students.
8. Advisers should inform students who may have other special needs (e.g., part-time students, disabled students, returning students, minority students, etc.) of the student support services available to them. Directors or coordinators of advising in each unit will ensure that advisers are aware of these student support services.
9. Advisers should take a role in identifying students who are working toward certain majors that may be inappropriate (e.g., a student with low math test scores and/or poor math preparation seeking a major in computer science or engineering). Such students may be referred to Advising First for information about their academic options or to Curricular-Career Information Services (CCIS) in the Career Center for help in clarifying their interests and abilities.
10. Units should identify students who have declared a limited access major but who, it appears, are unlikely to be able to meet the special admission requirements of that major. Such students should be made aware as early as possible of the strong likelihood that their intended major will be closed to them; advisers may wish to refer these students to Advising First Central, A3200 University Center.

Advising Organization

The **Advising First Office** assigns most entering freshmen and lower-division transfer students to an adviser, with the exception of those accepted into the College of Music, the College of Motion Picture Arts, the College of Nursing, and the Departments of Dance and Theatre BFA Programs (College of Visual Arts, Theatre, and Dance). In these programs, advisers are assigned by the dean of the respective schools. Typically, students are assigned to either full-time professional or faculty advisers. Advisers of freshmen and sophomores assist students with understanding liberal studies requirements and other University policies and procedures. (See the "Undergraduate Degree Requirements" chapter of this *General Bulletin* for a discussion of the Liberal Studies Program and other degree requirements.)

Upon entering a major, usually around the junior year, the focus of advising shifts from liberal studies to major and college requirements. In most cases, this means that the student is assigned to an adviser who will assist with all requirements for the chosen academic major.

Assignment of Advisers

Advisers are initially assigned based on information provided to the University during the admission process. The Advising First Office assigns advisers for most lower-division students. Upper-division students are assigned advisers through the dean's office of their college or school. Academic adviser contact information may be located by visiting <http://undergrad.fsu.edu/advisors/index.html>.

Academic Interest Mapping ("Mapping")

Mapping is Florida State University's academic advising and monitoring system that provides students with a recommended eight-semester map for each major. The map is a plan for completing the bachelor's degree in four years in most programs. The map for each major may be viewed online at <http://www.academic-guide.fsu.edu>.

Students' academic progress is monitored Fall and Spring semesters to ensure that they are on course to earn their degrees within four years. Summer semesters are not included in degree mapping and may be used by students to either catch up or get ahead in their degree programs. Students are responsible for checking their own progress and are encouraged to contact their advisers with any questions concerning their programs of study. In addition, advisers will contact students who are not making appropriate progress. Students who intend to change their majors should do so as early as possible. This will enable appropriate adviser assignment and degree monitoring.

Entering students are strongly encouraged to select their majors at the time of admission so that advising may be tailored to their specific program requirements. For those students who are divided in their interests, however, the University permits the option of an exploratory category. Students in this category are expected to declare a formal departmental major early in their second year of enrollment. Students still deciding on a specific major should contact the Center for Exploratory Students in *Johnston Ground* at (850) 645-2847. Although the exploratory category is a good option for undecided students in their first semesters at the University, students must select a major before they can be certified into an upper-division degree program. See 'Progression to Upper Division' in the chapter "Undergraduate Degree Requirements" in this *General Bulletin* for additional details.

Minimum Progress

Students do not have to complete all of the recommended classes on their maps to remain on course; however, they must meet certain minimum requirements known as "milestones." Milestones may include a minimum grade point average (GPA), completion of specific classes, and/or minimum grades in one or more of the milestone classes. Milestones are identified on each major map.

Students who are off course are notified of such status by the University. Before registering again, these students must meet with an adviser in order to either: (1) determine what is necessary to get back on course; or (2) identify possible alternative majors. If students are off course for two consecutive semesters, they will be required to change to more appropriate majors. Students will not be permitted to change to majors for which they would be off course for more than one semester.

Declaring or Changing Majors

Students are encouraged to declare an intended major and to meet with an adviser in that academic discipline. The declared major is extremely important because it may allow a student access to important prerequisite courses for that major.

Lower-division students are allowed to change their major at any time during the semester, provided they meet the eligibility requirements of the new major, by submitting a completed major change form to the Advising First Center for Academic Planning, *A3200 University Center*. Upper-division students should contact their academic dean's office.

Advising Services

Orientation Advising

Incoming students may change previously provided information concerning their major at orientation check-in.

The first academic advising experience for all students occurs during orientation. Due to time constraints, this session usually consists of brief general information and course selection. Students are strongly urged to contact their advisers early in their first semester for an individualized advising appointment.

Department Advising

All freshmen and sophomores are required to see their academic advisers prior to registration each semester. Some major departments prevent students from registering if they have not seen their respective advisers. Contact in-

formation for advisers is available at <http://undergrad.fsu.edu/advisors/index.html> or by calling either the dean's office for the college or school or the academic department of the intended major. The Advising First Office in *UCA 3200* maintains a list of academic advisers for lower-division students.

The academic relationship should be a comfortable and personal one between the student and the adviser. Sometimes, due to personality conflicts or shifting academic interests, this relationship does not develop. Students in this situation may request reassignment to a different adviser through their dean's office.

Exploratory Category

Students are encouraged to declare a major early in their academic career at Florida State University to ensure proper advisement and course selection. If students are unsure as to which major they wish to pursue, the University offers an **exploratory category** in which they can examine their academic options. Students still deciding on a specific major should contact the Advising First Center for Exploratory Students in *Johnston Ground* at (850) 645-2847.

Although the exploratory category is a good option for undecided students in their first semesters at the University, students **must** select a departmental major before they can be certified into an upper-division degree program. See 'Progression to Upper Division' in the chapter "Undergraduate Degree Requirements" in this *General Bulletin* for additional details.

Advising First

Advising First is a program within the Division of Undergraduate Studies at Florida State University that places professional academic advisers throughout the University's many academic units. Specifically, Advising First advisers provide academic advising to assist students in meeting liberal studies, major, and University requirements. Currently, the program has approximately 40 professional advisers in numerous locations throughout campus.

Along with being housed in colleges and departments, Advising First advisers are also available in the Center for Academic Planning (*UCA 3200*), the Center for Exploratory Students (*Johnston Ground*), the *Classroom Building (Room 320)*, and *Strozier Library (main floor)*. The Center for Exploratory Students focuses on advising Freshman students who are not ready to declare an intended major when they enter the university. This center works closely with students to help them take the appropriate liberal studies and introductory courses while exploring their available academic and career options. The Center for Academic Planning, located in *University Center A3200*, focuses on working with Sophomore Exploratory students, assisting students with major changes, and working with students who are required to change their majors under the University mapping system. Advising First Central Office: *A3200 University Center*; (850) 644-3430; <http://www.AdvisingFirst.fsu.edu>.

Advising Report and Academic Planner

The state of Florida has implemented a computerized advising system to help both the student and the adviser monitor academic progress. The **Advising Report** outlines requirements the student has already met and those the student has yet to complete. Students may view their reports online by selecting the "My Academics" option within the Student Center available through the myFSU portal. Students may also use the **Academic Planner** to map out their potential courses for several semesters in advance. The Planner is available in the Student Center under the "Plan" tab. Individual requests for Advising Reports may be made at Advising First Central, *A3200 University Center*.

Pre-professional Majors

Pre-law students may major in many different fields and will have an adviser assigned to them based on their undergraduate academic area. Students planning to enter law school after earning a bachelor's degree should join the pre-law society, Phi Alpha Delta, where they will receive special information and services focusing on pre-law issues. Students may come to Advising First to obtain a list of advisers who specialize in working with pre-law students.

The **Pre-Health Professions Advising Office**, part of the overall outreach effort of the Florida State University College of Medicine, provides career counseling to students interested in pursuing a career in the health sciences. Since there are no specific majors leading directly to individual health professions, advisers can assist students in developing strategies leading to acceptance into medical, dental, veterinary, and other programs. Students are encouraged to meet with an adviser as soon as possible in their college careers and at least once each semester thereafter. Information about pre-health organizations is also available through this office. For further information, visit *408 College of Medicine*, or call (850) 644-7678.

Student Athlete Academic Support

Student Athlete Academic Support (SAAS) assists student-athletes with the transition into college and provides continued support in all phases of academ-

ic and professional development throughout college, culminating with graduation, job placement, or graduate school. Program staff provides academic counseling, study skills development, and additional academic assistance through tutorial programs. This supplements the sound educational practices (class attendance, note taking, reviewing and preparing properly for quizzes and exams, actively participating in class discussions, and staying current with all assigned readings) that are imperative for academic success. *D2108 University Center; (850) 644-9201; <http://undergrad.fsu.edu/athletic.html>.*

Center for Academic Retention and Enhancement (CARE)

Florida State University and the **Center for Academic Retention and Enhancement (CARE)** are committed to recruiting, retaining, and graduating economically and educationally disadvantaged students who have the potential to do college level work.

CARE is designed to provide first-time-in-college students from socially and/or economically disadvantaged backgrounds with services such as a limited number of exclusive, full-credit liberal studies courses, academic advising, financial aid advising, a tutorial lab, learning skills workshops, and cultural enrichment activities. The Center promotes a caring environment for students to discuss their academic, personal, and/or social concerns with a friendly, supportive staff.

The Center provides a high-school-to-college **Summer Bridge Program** that includes intensive academic and social orientation to the University, introduction of participants to the responsibilities and opportunities of college life, encouragement of the development of useful study habits, and assistance with recognizing potential for success. In addition, through the **Unconquered Scholars Program**, CARE provides additional academic and engagement support activities for students who were a part of dependency care, foster care, or homeless before their enrollment at FSU. *A5400 University Center; (850) 644-9699; <http://care.fsu.edu>.*

Pre-Collegiate Programs

College Reach Out Program (CROP) is a state-funded program established to identify, motivate, and prepare disadvantaged middle and high school students to pursue post-secondary education. Through supplemental academic assistance, enrichment activities, educational field trips, and college tours, CROP prepares students for the rigors of a college education.

The **University Experience Program** is the summer residential component of CROP offering high school students from disadvantaged socioeconomic backgrounds the opportunity to visit the Florida State University campus during the summer. They attend academic courses and take part in cultural enrichment and college exposure activities.

The **Upward Bound Program (UBP)** is a federally-funded program that serves high school students from low socio-economic backgrounds. Located at East Gadsden High School in Gadsden County, Florida, Upward Bound offers developmental opportunities to students through a variety of educational activities, including an on-site computer lab dedicated to UBP participants. UBP staff also assists students in the development of personal and social skills that will help them complete high school and continue their formal education in a post-secondary setting.

Academic Center for Excellence (ACE)

The **Academic Center for Excellence (ACE)** is a University learning center focused on helping undergraduate students develop the study skills and personal success habits that enhance learning and encourage the highest level of academic achievement. ACE provides free peer tutoring, study skills workshops, individual consultations with faculty, preparation for graduate school entrance exams, and a one-credit study skills course (SLS 1122) available to all undergraduate students. The ACE Learning Studio, located at *G051 Johnston Ground* in the *William Johnston Building*, offers appointment-based tutoring in a wide variety of subjects including math, biology, chemistry, physics, accounting, economics, and more. Additionally, walk-in math tutoring is available any time the Learning Studio is open. For hours, visit <http://ace.fsu.edu>. ACE faculty teaching SLS 1122 are located in *A4304 University Center; (850) 645-9151; <http://ace.fsu.edu>.*

Reading-Writing Center

Part of the English Department, the **Reading-Writing Center (RWC)** serves all Florida State University student-writers (e.g., first-year students writing for composition class, upper-level students writing term papers, seniors composing letters of application for jobs and graduate schools, and graduate students working on theses and dissertations). Like a laboratory for ideas, the RWC offers students the opportunity to think through and test out their ideas as they write. The RWC also provides students the chance to share their writing with a

“practice audience” before they share it with their intended audience. Students can learn about the many RWC locations/hours and/or schedule an appointment by visiting <http://fsu.mywconline.com>.

Also part of the English Department and affiliated with the RWC, the **Digital Studio (DS)** provides support to all FSU students working individually or in groups on a variety of digital projects, such as designing a Web site, developing an electronic portfolio for a class, creating a blog, selecting images for a visual essay, adding voiceover to a presentation, or writing a script for a podcast. The DS has both Macs and PCs and software such as Photoshop, InDesign, Windows Movie Maker, iMovie, and more. Like the RWC, the DS is an idea laboratory: a place to explore ideas in digital texts and to learn new technologies to communicate ideas in those media. Students can learn about the DS locations/hours and/or schedule an appointment by visiting <http://fsu.mywconline.com>. For more information on English Department writing resources, please visit <http://wr.english.fsu.edu/>.

Curricular-Career Information Services (CCIS)

The **Curricular-Career Information Services (CCIS)** is a multimedia, self-service career resource with books, pamphlets, videotapes, slides, filmstrips, computers, and career advisers to help students choose a major and a career. Special equipment and materials are available for students with disabilities. Here students find answers to questions about occupations, job outlook, vocational schools, graduate programs, job-hunting techniques, and many other career-related topics. CCIS holds frequent workshops and clinics.

Living-Learning Communities

First year students at Florida State University have an opportunity to participate in one of seven living-learning communities. Each community is directed by an FSU faculty member. Participants live together in University housing and enjoy academic experiences that focus on a theme or major. Information and applications are available through University Housing, <http://housing.fsu.edu>. The seven communities are: Bryan Hall Learning Community; Music Living-Learning Community; Nursing Learning Community; Pre-Health Professions Learning Community; Social Justice Living-Learning Community; Social Science and Public Affairs Learning Community; and Women in Math, Science, and Engineering (WIMSE).

Freshman Interest Groups (FIGs)

All first-time-in-college students have the opportunity to enroll in a **Freshman Interest Group (FIG)** during their initial term of enrollment. This program is an initiative of the Liberal Studies Coordinating Committee and was established to enhance the academic engagement of our incoming undergraduates. Each FIG is a pre-packaged cluster of high-demand freshman courses that have been structured to assist students with the initial selection of Liberal Studies courses by grouping courses with a common thread of interest. One of the most significant advantages of the program is the FIG Colloquium, HUM 1920. This course is designed to provide a set of experiences that will introduce students to the academic culture at Florida State University.

Office of National Fellowships

The **Office of National Fellowships (ONF)** assists students in pursuing opportunities for academic and personal enrichment by providing information and support for over sixty nationally competitive fellowships. Using a unique mentoring model, ONF staff challenges students to articulate and communicate their academic and career goals as they work through the fellowship application process. Students are provided a venue for identification and achievement of their academic, public service, creative, and leadership goals. *A3550 University Center; (850) 644-7596; <http://onf.fsu.edu>.*

Note: The Office of National Fellowships is scheduled to relocate to the FSU *Honors, Scholars, and Fellows House*, Fall 2013.

Office of Undergraduate Research

The **Office of Undergraduate Research (OUR)** is the resource for information and support for research opportunities available at FSU. Research is an exciting way to engage in an academic discipline outside of the classroom. Research can take many forms—an experiment done in a laboratory, a scholarly research project reliant upon archival work, fieldwork and interviews conducted to address a social concern, or an artistic project performed in a concert hall—all of these options are available through the Office of Undergraduate Research. Some of the programs offered by OUR are:

Undergraduate Research Opportunity Program (UROP): For first- and second-year students interested in a first research experience. UROP students gain research experience as a faculty research assistant for two semesters while participating in a research training colloquium and present at the Spring symposium.

Global Scholars: For students who want to volunteer, serve, or research in the developing world. Global Scholars partners with volunteer-sending organizations to send students to one of our six sites and also organizes independent projects, all significantly more affordable than traditional study abroad programs.

Research Awards: For students seeking awards or funding for their research. Some of the awards include the \$4,000 Undergraduate Research and Creative Activity Award (URCAA), the \$1,000 Mentored Research and Creative Endeavors Award (MRCE), and the \$3,000 Public Service Research Fellowship (PSRF).

Publication and Presentation: OUR helps students find venues for sharing their research with the community through presentations like the Fall URCAA Symposium, the Spring Undergraduate Research and Creative Endeavors Symposium, or publishing in the FSU Undergraduate Research journal, *The Owl*.

All of these options are available to Florida State University students. 3600A University Center; (850) 645-8118; <http://our.fsu.edu/>.

Note: The Office of National Fellowships is scheduled to relocate to the *Honors, Scholars, and Fellows House*, Fall 2013.

Office of Undergraduate Studies

Associate Dean: Gregory Beaumont

The **Office of Undergraduate Studies** provides information and services on all academic matters, including exemptions with credit, information on liberal studies courses, academic standing, dismissal, readmission, remediation, correspondence study, and enrollment in courses at other colleges and universities. The Office of Undergraduate Studies is located at *A3400 University Center*.

In addition to serving as the academic dean's office for most freshmen and sophomores, the Office of Undergraduate Studies performs two important academic functions:

1. The office evaluates all transfer credit to determine how it applies to Florida State University's liberal studies requirements and prepares liberal studies evaluations for each undergraduate transfer student who enters without an Associate in Arts (AA) degree from a Florida public post-secondary institution. See the "Undergraduate Degree Requirements" chapter of this *General Bulletin* for details. Decisions about transfer credit applying toward a major requirement are made in the office of the dean responsible for that major; and
2. The office monitors student progress in liberal studies through the Academic Report. The Academic Report will be reviewed with the student at the time of formal declaration of a major for transfer to an upper-division program.

Florida State University grants an AA certificate to qualified students upon request. The Office of Undergraduate Studies determines the eligibility of students for the certificate. See the "Undergraduate Degree Requirements" chapter of this *General Bulletin* for more information.

The cooperative enrollment program between Florida State University and area high schools is administered by the Office of Undergraduate Studies. See the "Academic Regulations and Procedures" chapter of this *General Bulletin* for descriptions of these cooperative programs.

Transfer from Undergraduate Studies to Major Advisement Program

Transfer from undergraduate studies to a major's advisement program in any college or school of the University is accomplished between the Office of Undergraduate Studies and the appropriate baccalaureate dean after the student: (1) has declared a choice; (2) has been certified as eligible for transfer; and (3) has been accepted by the appropriate baccalaureate dean. **Acceptance into a major advisement program does not constitute admission to the upper division of the University.**

Eligibility for Transfer to Major Advisement

Students will be considered eligible to transfer from the advisement program of the Office of Undergraduate Studies after satisfying the following requirements:

1. Completion of at least fifty-two semester hours of credit;
2. Successful completion of at least one-half of the required semester hours in the Liberal Studies Program, including all required liberal studies courses in freshman composition and freshman mathematics (Areas I and II of the Liberal Studies Program—see the "Undergraduate Degree Requirements" chapter of this *General Bulletin*);
3. Achievement of a minimum adjusted grade point average (GPA) of 2.0 or above on work attempted at Florida State University; and

4. Acceptance by a baccalaureate dean for admission to a major's advisement program.

A student who has attempted seventy-five or more semester hours without fulfilling all of the above-listed requirements will not be allowed to register. Such students should consult the Office of Undergraduate Studies and the dean of the college or school in which the degree is to be sought **before** making final decisions on how to meet these requirements.

UNDERGRADUATE DEGREE REQUIREMENTS

Degrees Offered

Florida State University confers at the bachelor's level the Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Science in Nursing, Bachelor of Music, Bachelor of Music Education, Bachelor of Social Work, and the Bachelor of Science degrees, the requirements for which are described in detail below. Students may find requirements for all graduate degrees (master's, specialist, professional, and doctoral) in the *Graduate Bulletin*.

Students pursuing a baccalaureate degree at Florida State University must meet a number of state- and University-wide degree requirements as they progress through their course of studies. In general, freshman and sophomore students in most majors emphasize work in a broad-based liberal arts curriculum, described below as the Liberal Studies Program, and in consultation with their advisers select a major concentration. By the end of the sophomore year, all students should have completed at least half of the Liberal Studies Program, including the composition and computation requirements in Areas I and II.

At about the end of the sophomore year, students formally select a major and request acceptance by the college in which the major is taught. Students transferring into the University with an Associate in Arts (AA) degree from a Florida public community college or university, or transferring fifty-two or more semester hours of credit, are eligible to be admitted directly into the college of their choice provided they meet minimum requirements for the major selected.

Students at the junior and senior level complete the requirements of their chosen major and often of a minor field. They may also have to fulfill additional requirements specific to their college and/or certification requirements to engage in a particular profession for which their undergraduate major is preparatory.

Understanding these degree requirements is crucial to the smooth progression to graduation. Students are encouraged to consult with their academic advisers regularly throughout their undergraduate years to ensure that they are making appropriate progress toward their degree and to consult their academic deans' offices, Advising First, StudentsFirst Advising, and the Office of the University Registrar for assistance and clarification of degree requirements.

Baccalaureate Degree Requirements: An Overview

Florida State University will confer the bachelor's degree when the following conditions have been met. Restrictions may be found under 'Transfer Credit' in the "Academic Regulations and Procedures" chapter of this *General Bulletin*.

General Requirements

1. Satisfactory completion (a minimum adjusted grade point average of 2.0 on all courses used for liberal studies) of Florida State University's Liberal Studies Program, thirty-six semester hours, as follows:
 - Area I. Computation (six semester hours)
 - Area II. English Composition (six semester hours)
 - Area III. History/Social Science (six to twelve semester hours)
 - Area IV. Humanities/Fine Arts (five to eleven semester hours)
 - Area V. Natural Science (seven semester hours)
 For details, please see 'The Liberal Studies Program' of this chapter.
2. Satisfactory completion of state and University-wide mandates requiring specific coursework in writing and computation. Students are expected to demonstrate proficiency in the use of spoken and written English in all of their courses.
3. Satisfactory completion of major requirements in a chosen degree program, including additional requirements set by the college offering the degree. The student's degree program will appear on the baccalaureate diploma. If a student satisfies all requirements for two degrees, including admission, prerequisite, core, etc., both degree programs may appear on the diploma. A list of degree programs is available in the "Academic Degree and Certificate Programs" chapter of this *General Bulletin*. Major names are not printed on university diplomas.
4. A minimum adjusted grade point average (GPA) of 2.0 on all coursework taken at Florida State University and an overall 2.0 average on all college-level work attempted.

5. Successful completion of a minimum of one hundred twenty unduplicated semester hours, only two hours of which may be in physical education activity courses.
6. Completion of at least forty-five semester hours in courses numbered 3000 and above, thirty of which need to be taken at this University.
7. Completion of the last thirty semester hours and half of the major course semester hours, in residence at this University. In cases of emergency, a maximum of six hours of the final thirty semester hours may be completed by correspondence or residence at another accredited senior institution with the approval of the academic dean. College-Level Examination Program (CLEP) credit earned may be applied to the final thirty hour requirement provided that the student has earned at least thirty semester hours credit at Florida State University.
8. Students who have entered a university in the State of Florida, Division of Colleges and Universities, with fewer than sixty hours of credit in the fall of 1976 or any time thereafter are required to earn at least nine hours prior to graduation by attendance in one or more Summer terms at one of the State University System institutions. The University President may waive the application of this rule in cases of unusual hardship to the individual. Students wishing waivers submit written requests giving the details of their hardships through their academic deans to the Vice President for Faculty Development and Advancement. Prior to 2011, students who had earned nine semester hours of credit through approved acceleration methods (AP, IB, CLEP, and approved dual enrollment courses) were exempt from the summer residency requirement. Effective 2011, this exemption is no longer available.
9. Satisfaction of the foreign-language admissions requirement by having two sequential units of the same foreign language in high school, or eight semester hours of the same foreign language in college, or documented equivalent proficiency
10. Successful completion of coursework constituting the student's program of studies, minor, honors thesis, or certification examination does not guarantee the awarding of the baccalaureate degree. Faculty judgment of the academic performance of the student is inherent in the educational process in determining whether the awarding of the baccalaureate degree or admission into a higher level degree program is warranted.

Note: For the purpose of establishing residency, the various Summer sessions are considered one semester.

Following is a full discussion of state- and University-wide degree requirements at the undergraduate level. Requirements specific to a particular college may be found in the section of this *General Bulletin* describing that college. Major and minor requirements may be found under the appropriate department in the departmental listings.

State Mandated Academic Learning Compacts (SMALCs)

The State Board of Governors has directed each university to develop Academic Learning Compacts for every baccalaureate degree program. A State University System Academic Learning Compact (SMALC) identifies for each academic bachelor's program what students will learn by the end of a program and how knowledge is measured above and beyond course grades.

A SMALC must pinpoint the core learning expectations in the areas of communication, critical thinking skills, and content/discipline knowledge and skills. Additionally, it must identify the corresponding assessments used to determine how well the student has assimilated the articulated expectations.

Successful performance related to the State Mandated Academic Learning Compacts specific to your degree is a requirement for graduation.

Visit <http://learningforlife.fsu.edu/smalcs/plearningcompact.cfm> to view the current version of the SMALCs for your degree. Simply select your major and detailed information is provided. You may also obtain information pertaining to SMALCs by contacting the academic departments.

Division of Undergraduate Studies

Dean: Karen Laughlin

Associate Deans: Gregory Beaumont, Bruce Janasiewicz

Assistant Dean: Sara Hamon, Nicole Raimondi

The Division of Undergraduate Studies is responsible for the supervision and monitoring of all state- and University-wide degree requirements as well as University-wide academic support offices. Overseen by the Dean of Undergraduate Studies, the division includes the Office of Undergraduate Studies (the academic home of most freshmen and sophomores), Advising First, the Center for Academic Retention and Enhancement (CARE), the University Honors Program, Transfer and Information Services, the Academic Center for Excellence (ACE), the Office of National Fellowships, and the Office of Undergraduate Research. For further information on these academic support offices see 'Honors Program' in the "University Honors Program and Honor Societies" chapter and 'Advising First', the 'Center for Academic Retention and Enhancement', 'Office of Undergraduate Research', and 'Transfer and Information Services' in the "Academic Advising and Support Services" chapter of this *General Bulletin*.

Freshmen and sophomores have their programs and coursework supervised by the Office of Undergraduate Studies. Exceptions to this placement are students accepted into the College of Music; College of Motion Picture Arts; or into the Bachelor of Fine Arts (BFA) program in theatre or dance. Students in these performance majors are advised and supervised directly within their own schools or departments. The Office of Undergraduate Studies is the dean's office that administers the academic and advisement program, regardless of intended major, for all other freshman and sophomore students.

The Liberal Studies Program

As one of its primary goals, a university education should foster in the student a spirit of free inquiry into humane values, while developing the mind as an instrument of analysis and synthesis. Essential to the student's quest for knowledge and to responsible participation in society is an understanding of one's self and of the natural and social environment. The Liberal Studies Program is intended, therefore, to provide a perspective on the qualities, accomplishments, and aspirations of human beings, the past and present civilizations they have created, and the natural and technological world they inhabit. The Liberal Studies Program, designed to ensure breadth in the student's academic experience, while at the same time affording flexibility in satisfying requirements, may be extended throughout the undergraduate years with the exception of Areas I and II. The five areas of liberal studies provide students with essential competencies and introduce the student to broad areas of knowledge.

Students are required to complete (or be exempted from with credit) a minimum of six semester hours of mathematics and six semester hours of English composition, six to twelve semester hours in social science/history, five to eleven semester hours in humanities/fine arts, and seven semester hours in natural science (one course must be accompanied by a scheduled laboratory) for a total of thirty-six semester hours.

Liberal Studies Requirements

The liberal studies requirements must be met by completion of appropriate coursework or by combination of coursework and credit by examination within the limits set below:

- Credit by Examination.** A maximum of thirty semester hours of credit earned through examination may be applied to the liberal studies requirements.
- Coursework.** An overall 2.0 average or better is required for coursework used to satisfy the liberal studies requirements.
- To satisfy state mandates and University-wide requirements, students must also earn a grade of "C–" or better in each of the courses used to fulfill the liberal studies requirements in Area I (computation), Area II (English composition), and four more liberal studies courses designated by the Undergraduate Policy Committee as requiring 3,000 words of writing (courses indicated with a "W").
- Courses listed as "directed individual study" (DIS), "senior honors thesis," or "senior seminar" cannot apply to the Liberal Studies Program.
- No course may be applied to more than one area of the program.
- No courses taken on a satisfactory/unsatisfactory (S/U) basis may apply to the liberal studies requirement.
- A student who transfers to Florida State University from a Florida public community/junior college or senior institution will be deemed to have satisfied the University's liberal studies requirement if all general education requirements stipulated by the community/junior college or senior institution have been met and the student's transcript has been so marked.

- A course approved for liberal studies credit at the time the course was completed will meet liberal studies requirements, even if the course was not listed as a liberal studies course in the *General Bulletin* under which the student entered.

Courses for the Liberal Studies Program shall be selected from the following five areas. Students should check departmental curriculum listings to determine prerequisites and course duplications prior to taking courses.

Note: Some students will be required to take preparatory coursework prior to enrollment in English composition and/or mathematics courses. See 'Required Preparatory Courses' in the "Academic Regulations and Procedures" chapter of this *General Bulletin*.

Symbol Legend

- C** Stands for combined lecture and laboratory
- L** Stands for laboratory
- R** Stands for "repeatable" and indicates that the course may be taken more than once
- W** Denotes a course that meets the Writing Requirement (i.e., a writing intensive course)
- X** Denotes a course that meets Cross-Cultural requirements
- Y** Denotes a course that meets the Diversity in Western Culture requirements
- *** Denotes a course that meets literature requirements

Area I. Computation

Students must complete (or be exempted from with credit) at least six semester hours in mathematics. Eligible students will enroll, as space permits, in three semester hours in the Department of Mathematics during their first regular length term on campus and continue with the course until it has been completed. All six semester hours of the computation liberal studies requirement should normally be completed by the end of the sophomore year.

Students must complete three semester hours in the Department of Mathematics and three additional semester hours in the Department of Mathematics or the Department of Statistics, or take a course from a list approved by the Faculty Senate and maintained by the Office of Undergraduate Studies.

Area II. English Composition

Students must complete (or be exempted from with credit) at least six semester hours in English composition. All students, with such exceptions as have been or may be established by the Faculty Senate, shall complete the required English writing courses during their first academic year in residence at Florida State University or must show exemption from six semester hours of freshman writing courses. Each of these courses will require 6,000 words of writing. All courses used to satisfy this requirement must be completed with a grade of "C–" or higher.

Students must complete both ENC 1101 (or 1121) and a second course from the following list.

ENC 1101W	Freshman Composition and Rhetoric (3)
ENC 1102W	Freshman Writing, Reading, and Research (3)
ENC 1121W	Freshman Composition and Rhetoric: Honors (3)
ENC 1122W	Freshman Writing About Literature: Honors (3)
ENC 1142W	Freshman Imaginative Writing Workshop (3)
ENC 1144W	Freshman Article and Essay Workshop (3)
ENC 1145W	Freshman Special Topics in Composition (3)

Additional courses may be approved and added to the above list from time to time.

Area III. History/Social Science

Students must complete six to twelve semester hours, including a minimum of three semester hours of history and three semester hours of social science.

History

AMH 1091yW	The African American Experience in the United States (3)
AMH 2010W, 2020W	A History of the United States (3, 3)
AMH 2095yW	The American Indians and the United States (3)
AMH 2096yW	Black Women in America (3)
AMH 2097yW	Nationality, Race, and Ethnicity in the United States (3)
AMH 2583y	History of the Seminoles and Southeastern Tribes (3)
ASH 1044xW	Middle Eastern History and Civilization (3)
ASH 3100xW	History of Asia (3)
EUH 2000W	Ancient and Medieval Civilizations (3)
EUH 3205W	19th-Century Europe: A Survey (3)
EUH 3530W	England, the Empire, and the Commonwealth: 18th Century to

	Present (3)
HIS 3464yW	History of Modern Science (3)
HIS 3491yW	Medicine and Society (3)
HIS 3505W	Perspectives on Science and Mathematics (3)
LAH 1093xW	Latin America: A Cross-Cultural History (3)
WOH 1023W	The Modern World to 1815 (3)
WOH 1030W	The Modern World Since 1815 (3)

Social Science

AFA 3101yW	Theory and Dynamics of Racism and Oppression (3)
ANT 2410x	Introduction to Cultural Anthropology (3)
ANT 2416x	Childhood Around the World (3)
ANT 3141x	World Prehistory (3)
ANT 3212x	Peoples of the World (3)
CCJ 2020	Introduction to Criminal Justice (3)
CCJ 3011	Criminology (3)
CPO 2002x	Introduction to Comparative Government and Politics (3)
ECO 2000	Introduction to Economics (3)
ECO 2013	Principles of Macroeconomics (3)
ECO 2023	Principles of Microeconomics (3)
EVI 1012yW	The Blindness Experience (3)
FAD 2230	Family Relationships: A Life Span Development Approach (3)
GEA 1000x	World Geography (3)
GEO 1330	Environmental Science (3)
GEO 1400x	Human Geography (3)
INR 2002	Introduction to International Relations (3)
ISS 2937rW	Social Science Honors Seminar (3). (For honors students only.)
LIS 3103	Information and Society (3)
PAD 3003	Public Administration in American Society (3)
POS 1041	American Government: National (3)
PSY 2012	General Psychology (3)
PUP 3002	Introduction to Public Policy (3)
SOP 3004	Social Psychology (3)
SYD 3020x	Population and Society (3)
SYG 1000	Introductory Sociology (3)
SYG 2010y	Social Problems (3)
SYO 3100y	Family Problems and Social Change (3)
SYO 3200x	Sociology of Religion (3)
URS 1006x	World Cities: Quality of Life (3)

Area IV. Humanities/Fine Arts

Students must complete five to eleven semester hours. One course must meet the literature requirement. Courses meeting the literature requirement are marked by an asterisk (*). Courses DAN 3144, DAN 3145, and DAN 3146 (the dance series) are marked by a pound sign (#) to indicate that they have a credit limit and only **one** course will earn credit toward meeting the liberal studies requirement.

AFA 2000W	Introduction to the Afro-American Experience (3)
* AML 2010W	American Authors to 1875 (3)
* AML 2600yW	Introduction to African-American Literature (3)
* AML 3041W	American Authors Since 1875 (3)
* AML 3311W	Major Figures in American Literature (3)
* AML 3630yW	Latino/a Literature in English (3)
* AML 3682yW	American Multi-Ethnic Literature (3)
ARH 2090xW	Great Discoveries in World Archaeology (3)
ARH 3056W	History and Criticism of Art I (3)
ARH 3057W	History and Criticism of Art II (3)
ARH 3130W	Survey of Greek Art and Archaeology (3)
ARH 3150W	Art and Archaeology of Ancient Italy (3)
ARH 3530xW	The Arts of Asia (3)
ART 2003CW	Survey of Studio Art Practices (3)
* CHT 3123rx	Pre-Modern Chinese Literature and Culture (3)
CHT 3391rx	Chinese Film and Culture (3)
* CHT 3392rx	Writing Women in Pre-Modern China (3)
* CLA 2010W	Introduction to Greek and Roman Civilization (3)
* CLA 2110W	The Greek Way: Introduction to Greek Civilization (3)
* CLA 2123W	The Roman Way: Introduction to Roman Civilization (3)
CLA 2810W	Discovery of Nature: Ancient Science (3)
CLA 3012yW	Homosexuality in Antiquity (3)
* CLA 3501yW	Gender and Society in Ancient Greece (3)
CLA 3502yW	Women, Children, and Slaves in Ancient Rome: The Roman Family (3)
CLT 2044W	Word Building: Greek and Latin Elements in the English Vocabulary (3)
CLT 2049	Medical Terminology (3)
* CLT 3370W	Classical Mythology (3)
* CLT 3378xW	Ancient Mythology, East and West (3)

CLT 3510yW	The Ancient World in Film (3)
DAN 2100W	Introduction to History and Appreciation of Dance (3)
# DAN 3144W	History and Philosophy of Dance (3)
	OR
# DAN 3145W	History and Philosophy of Dance (3)
	OR
# DAN 3146W	History and Philosophy of Dance (3)
DAN 3185yW	African-American Dance in American Culture (3)
ENG 3310W	Film Genres (3)
ENG 3600	Hollywood Cinema (3)
* ENL 2012W	British Authors: Beginnings to 1790 (3)
* ENL 2022W	British Authors: Early Romanticism to the Present (3)
* ENL 3334W	Introduction to Shakespeare (3)
FIL 2001	Introduction to Film (3)
* FOW 3240yW	Literature and Sexuality (3)
FRT 3520ry	French Cinema (3)
* FRT 3561yW	French Women Writers (3)
* GET 3130yW	Masterpieces of German Literature in Translation: 19th and 20th Centuries (3)
GET 3524ryW	German Cinema (3)
HPS 3320yW	Screening the Scientific Life: Cinema and the Cultural Image of Science (3)
* HUM 2210W	Humanities: Pre-History to Late Antiquity (3)
* HUM 2235W	Humanities: From the Renaissance to the Enlightenment (3)
* HUM 2250W	Humanities: Eighteenth-Century Romanticism to Postmodernism (3)
HUM 2937rW	Humanities Honor Seminar (3) (For honors students only.)
HUM 3321yW	Multicultural Dimensions of Film and 20th-Century Culture (3)
* ITT 3430W	Masterpieces of Italian Literature in Translation (3)
* ITT 3500W	Italian Culture and Civilization: From Origins to the Age of Romanticism (3)
* ITT 3501yW	Modern Italian Culture: From the Unification to the Present (3)
* ITT 3520yW	The Italian-American Experience in Literature and Film (3)
ITT 3523ryW	Italian Cinema (3)
JPT 3391rxW	Japanese Film and Culture (3)
* LIT 2010W	Introduction to Fiction (3)
* LIT 2020W	Introduction to the Short Story (3)
* LIT 2030W	Introduction to Poetry (3)
* LIT 2081W	Contemporary Literature (3)
* LIT 2230xW	Introduction to Global Literature in English (3)
* LIT 3043W	Modern Drama (3)
* LIT 3383yW	Women in Literature (3)
MUH 2011W	Introduction to Music History–Music Appreciation: Eighteenth and Nineteenth Centuries (3)
MUH 2012W	Music in Western Culture: Nineteenth and Twentieth Centuries (3)
MUH 2019y	Modern Popular Music (3)
MUH 2051xW	Music Cultures of the World: Music of Tribal and Folk Cultures (3)
MUH 3053yW	American Roots Music (3)
MUH 3211W	Survey of Music History: Antiquity to 1750 (3)
MUH 3212W	Survey of Music History: 1750 to the Present (3)
MUL 2110	Survey of Music Literature (2)
MUN XXXX	Any undergraduate music ensemble with the prefix MUN. Credit toward the liberal studies requirement is limited to one semester hour in each ensemble course.
MUT 1001	Fundamentals of Music Theory (3)
MUT 1011	Music Theory for the Non-Music Major (3)
PHH 3130W	Plato and His Predecessors (3)
PHH 3140W	Aristotle to Augustine (3)
PHH 3400W	Modern Philosophy (3)
PHI 2010W	Introduction to Philosophy (3)
PHI 2100W	Reasoning and Critical Thinking (3)
PHI 2620W	Environmental Ethics (3)
PHI 2630W	Ethical Issues and Life Choices (3)
PHI 2635yW	Bioethics (3)
PHI 3162W	Logic and the Law (3)
PHI 3400W	History and Philosophy of Science (3)
PHI 3800W	Philosophy of the Arts (3)
* PHI 3882W	Philosophy in Literature (3)
PHM 2121y	Philosophy of Race, Class and Gender (3)
PHM 2300xW	Introduction to Political Philosophy (3)
PHM 3020W	Philosophy of Sex (3)
PHM 3123yW	Philosophy of Feminism (3)
PHM 3351W	Philosophy of Human Rights (3)
REL 1300xW	Introduction to World Religions (3)
REL 2121yW	Religion in the United States (3)
* REL 2210W	Introduction to the Old Testament (3)
* REL 2240W	Introduction to the New Testament (3)
REL 2315x	Religions of South Asia (3)

* REL 3112W	Religion and 20th Century Fantasy Literature (3)
REL 3145yW	Gender and Religion (3)
REL 3160	Religion and Science (3)
REL 3170xW	Religious Ethics and Moral Problems (3)
REL 3431W	Critics of Religion (3)
REL 3505W	The Christian Tradition (3)
REL 3607W	The Jewish Tradition (3)
* RUT 3110yW	Russian Literature in English Translation (3)
RUT 3514x	Russian Folklore and Fairy Tales (3)
RUT 3523ry	Russian Cinema (3)
* SLL 3500x	Slavic Culture and Civilization (3)
SLL 3510x	The Slavic Vampire (3)
* SPT 3130xW	Latin American Literature in Translation (3)
SPT 3391rx	Hispanic Cinema (3)
THE 2000yW	Introduction to Theatre (3)
* THE 3214W	World Theatre History II (3)
TUT 3003y	Turkish Culture and Civilization (3)
TUT 3053x	Turkish Cinema (3)
WST 3251yW	Women in Western Culture: Images and Realities (3)

Area V. Natural Science

Students must complete a minimum of seven semester hours. One of the courses must be accompanied by a corresponding laboratory.

ANT 2100	Introduction to Archaeology (3)
ANT 2100L	Introduction to Archaeology Laboratory (1)
ANT 2301	Evolution of Human Sexuality (3)
ANT 2511x	Introduction to Physical Anthropology and Prehistory (3)
ANT 2511L	Introduction to Physical Anthropology and Prehistory Laboratory (1)
AST 1002	Planets, Stars, and Galaxies (3)
AST 1002L	Introductory Astronomy Laboratory (1)
BSC 1005	General Biology for Nonmajors (3)
BSC 1005L	General Biology Laboratory for Nonmajors (1)
BSC 2010	Biological Science I (3). (For science majors.)
BSC 2010L	Biological Science I Laboratory (1) (For science majors.)
BSC 2011	Biological Science II (3). (For science majors.)
BSC 2011L	Animal Diversity Laboratory (2). (For science majors.)
CHM 1020	Chemistry for Liberal Studies (3)
CHM 1020L	Chemistry for Liberal Studies Laboratory (1)
CHM 1032	Survey of General Chemistry (3)
CHM 1045	General Chemistry I (3)
CHM 1045L	General Chemistry Laboratory I (1)
CHM 1046	General Chemistry II (3)
CHM 1046L	General Chemistry Laboratory II (1)
CHM 1050	Honors General Chemistry I (3). (For science majors.)
CHM 1050L	Honors General Chemistry Laboratory I (1). (For science majors.)
CHM 1051	Honors General Chemistry II (3). (For science majors.)
CHM 1051L	Honors General Chemistry Laboratory II (2). (For science majors.)
CHM 2200	Survey of Organic Chemistry (3)
CHM 2200L	Survey of Organic Chemistry Lab (1)
GLY 1000	Dynamic Earth (3)
GLY 1000L	Dynamic Earth Laboratory (1)
GLY 1030	Environmental Issues in Geology (3)
GLY 1102	Dinosaurs and Disasters on an Evolving Earth (3)
GLY 2010C	Physical Geology (4). (For science majors.)
HUN 1201	The Science of Nutrition (3)
ISC 2003	Global Change: Its Scientific and Human Dimensions (3)
ISC 2937rW	Natural Science Honors Seminar (3). (For honors students only.)
ISC 3523C	Research Methods (3)
MET 1010	Introduction to the Atmosphere (3)
MET 1010L	Introductory Meteorology Laboratory (1)
MET 2101	Physical Climatology (3). (For science majors.)
MET 2700	General Meteorology (3). (For science majors.)
OCE 1001	Elementary Oceanography (3)
PHY 1020	Fundamentals of Physics (3)
PHY 1020L	Fundamentals of Physics Laboratory (1)
PHY 1075C	Physics of Light and Sound (4)
PHY 2048C	General Physics A (5). (For science majors.)
PHY 2049C	General Physics B (5). (For science majors.)
PHY 2053C	College Physics A (4). (For science majors.)
PHY 2054C	College Physics B (4). (For science majors.)
PSB 2000	Introduction to Brain and Behavior (3)
SPA 2001	Communication Sciences and Disorders (3)

Note: Certain restrictions exist regarding the allotment of course credit for the chemistry and geology courses listed above. Students should refer to the course descriptions of each department for specific credit information before registering for these courses.

How Transfer Credit Applies to the Liberal Studies Program

The Office of Undergraduate Studies evaluates transfer credits as they apply to the Liberal Studies Program and loads the results into the academic advising report SASS system. Students with the AA degree or General Education Statement from a Florida public university, state college, community college, or other colleges with which Florida State University maintains an official articulation agreement are exempted from the above evaluation.

The Multicultural Requirement

Students who would be truly educated must have an appreciation of the interrelatedness of and the diversity within cultural traditions. The multicultural understanding requirement recognizes and reflects the full range of human groupings and cultural perspectives as well as the complex relationships among them. Its role is to enhance students' self understanding and their understanding of the contemporary cultural context, a context characterized by a rich diversity of cultures and experiences in which the Western European intellectual tradition figures as one among many.

Multicultural courses include cross-cultural studies (those courses marked with an "x") and diversity in Western experience (those courses marked with a "y"). All students who enter the University with fewer than sixty semester hours must complete at least one "x" and one "y" course. Students transferring to the University with sixty credits or more must complete one multicultural course from either designation. These courses may be taken as part of the liberal studies requirement, as electives, or as part of a student's major.

The multicultural requirement must be completed with the grade of "C–" or higher prior to the receipt of the baccalaureate degree.

(X) Cross-Cultural Courses

ANT 2410	Introduction to Cultural Anthropology (3)
ANT 2416	Childhood around the World (3)
ANT 2460	Anthropology of Food (3)
ANT 2511	Introduction to Physical Anthropology and Prehistory (3)
ANT 3141	World Prehistory (3)
ANT 3212	Peoples of the World (3)
ANT 3610	Language and Culture (3)
ANT 4175	Archaeology of the Islamic World (3)
ANT 4241	Anthropology of Religion (3)
ANT 4242	Symbol and Ritual (3)
ANT 4309	Conquest of the Americas (3)
ANT 4323	Peoples and Cultures of Mexico and Central America (3)
ANT 4352	Peoples and Cultures of Africa (3)
ANT 4363	Japanese Society and Culture (3)
ANT 4422	Kinship and Social Organization (3)
ARH 2090	Great Discoveries in World Archaeology (3)
ARH 3530	The Arts of Asia (3)
ARH 4554	Arts of Japan (3)
ARH 4675	The Art and Culture of the Maya (3)
ASH 1044	Middle Eastern History and Civilization (3)
ASH 3100	History of Asia (3)
CCJ 3677	Crimes against Humanity (3)
CHT 3123r	Pre-Modern Chinese Literature and Culture (3)
CHT 3391r	Chinese Cinema and Culture (3)
CHT 3392r	Writing Women in Pre-Modern China (3)
CLT 3378	Ancient Mythology, East and West (3)
CPO 2002	Introduction to Comparative Government and Politics (3)
CPO 3034	Politics of Developing Areas (3)
CPO 3303	Politics of Latin America (3)
CPO 3403	Comparative Government and Politics: The Middle East (3)
CPO 3541	Politics of China (3)
GEA 1000	World Geography (3)
GEO 1400	Human Geography (3)
GEO 4421	Cultural Geography (3)
HFT 2061	Ales, Lagers and International Culture (3)
HFT 2062	International Wine and Culture (3)
HFT 2716	International Travel and Culture (3)
HFT 2890	International Food and Culture (3)
HUN 2125	Food and Society (3)
JPT 3391r	Japanese Film and Culture (3)
LAH 1093	Latin America: A Cross-Cultural History (3)
LIT 2230	Introduction to Global Literature in English (3)
MUH 2051	Music Cultures of the World: Music of Tribal and Folk Cultures (3)
MUH 2512	Music Cultures of the World I (2)
PHM 2300	Introduction to Political Philosophy (3)
PRT 3391r	Brazilian Literature and Film in Translation (3)

REL 1300	Introduction to World Religions (3)
REL 2315	Religions of South Asia (3)
REL 3170	Religious Ethics and Moral Problems (3)
REL 3340	The Buddhist Tradition (3)
REL 3363	The Islamic Tradition (3)
REL 4335	Modern Hinduism (3)
RUT 3504	Modern Russian Life (3)
RUT 3514	Russian Folklore and Fairy Tales (3)
SLL 3500	Slavic Culture and Civilization (3)
SLL 3510	The Slavic Vampire (3)
SPC 4710	Interracial and Intercultural Communication (3)
SPM 4013	Cross-Cultural Sport (3)
SPN 3520	Cultures of Latin America (3)
SPT 3130	Latin American Literature in Translation (3)
SPT 3391r	Hispanic Cinema (3)
SYD 3020	Population and Society (3)
SYO 3200	Sociology of Religion (3)
TUT 3053	Turkish Cinema (3)
URP 4618	Planning for Developing Regions (3)
URS 1006	World Cities: Quality of Life (3)

(Y) Diversity in Western Culture Courses

ADV 3410	Hispanic Marketing Communication (3)
AFA 1003	Diversity and Justice (1)
AFA 3101	Theory and Dynamics of Racism and Oppression (3)
AMH 1091	The African American Experience in the United States (3)
AMH 2095	The American Indians and the United States (3)
AMH 2096	Black Women in America (3)
AMH 2097	Nationality, Race and Ethnicity in the United States (3)
AMH 2583	History of the Seminoles and Southeastern Tribes (3)
AML 2600	Introduction to African-American Literature (3)
AML 3630	Latino/a Literature in English (3)
AML 3682	American Multi-Ethnic Literature (3)
AML 4604	The African-American Literary Tradition (3)
AML 4680r	Studies in Ethnic Literature (3)
ANT 2534	Race: Biology and Culture (3)
ASL 2510	Deaf Culture (3)
CCJ 4662	Minorities, Crime and Social Policy (3)
CLA 3012	Homosexuality in Antiquity (3)
CLA 3501	Gender and Society in Ancient Greece (3)
CLA 3502	Women, Children, and Slaves in Ancient Rome: The Roman Family (3)
CLT 3510	The Ancient World in Film (3)
CTE 3512	History of Dress (3)
DAN 3185	African-American Dance in American Culture (3)
EDF 2085	Teaching Diverse Populations (3)
EVI 1012	The Blindness Experience (3)
FOW 3240	Literature and Sexuality (3)
FRT 3520r	French Cinema (3)
FRT 3561	French Women Writers (3)
GEA 4405	Latin America (3)
GET 3130	Masterpieces of German Literature in Translation: 19th and 20th Centuries (3)
GET 3524r	German Cinema (3)
HFT 2080	International Protocol on Western Behavior and Service Standards (3)
HIS 3464	History of Modern Science (3)
HIS 3491	Medicine and Society (3)
HPS 3320	Screening the Scientific Life: Cinema and the Cultural Image of Science (3)
HUM 3321	Multicultural Dimensions of Film and 20th-Century Culture (3)
ITT 3501	Modern Italian Culture: From the Unification to the Present (3)
ITT 3520	Italian American Experience in Literature and Film (3)
ITT 3523r	Italian Cinema (3)
LIT 3383	Women in Literature (3)
LIT 4329	African American Folklore (3)
LIT 4385	Major Women Writers (3)
MUH 2019	Modern Popular Music (3)
MUH 3053	American Roots Music (3)
NSP 3185	Multicultural Factors and Health (3)
PHI 2635	Bioethics (3)
PHM 2121	Philosophy of Race, Class, and Gender (3)
PHM 3123	Philosophy of Feminism (3)
PUP 3323	Women and Politics (3)
REL 1072	Cinematic Courage (3)
REL 2121	Religion in the United States (3)
REL 3145	Gender and Religion (3)
RUT 3110	Russian Literature in English Translation (3)

RUT 3505	Russian Culture and Civilization (3)
RUT 3523r	Russian Cinema (3)
SOP 3742	Psychology of Women (3)
SOP 3782	Psychology of the African-American (3)
SOW 4108	Women's Issues and Social Work (3)
SOW 4620	Diversity in Social Work Practice (3)
SOW 4622	Social Work with Black Families (3)
SYD 3800	Sociology of Sex and Gender (3)
SYD 4700	Race and Minority Group Relations (3)
SYG 2010	Social Problems (3)
SYO 3100	Family Problems and Social Change (3)
THE 2000	Introduction to Theatre for Non-Majors (3)
THE 4233	History of African-American Drama (3)
THE 4433	Gender, Race, and Performance (3)
TUT 3003	Turkish Culture and Civilization (3)
WST 3251	Women in Western Culture: Images and Realities (3)

Oral Communication Competency

Competence in oral communication is indicated by demonstrating the ability to transmit clearly ideas and information orally in a way that is appropriate to the topic, purpose, and audience. It also involves demonstrating the ability to discuss ideas clearly with others, to hear and respond to questions, and to assess critical response appropriately.

A student will satisfy the requirement for competency in oral communication in either of two ways:

- Petition to have prior demonstration of oral communication competency accepted in place of an approved Florida State University course. Students may petition the Office of Undergraduate Studies to have prior demonstrations of oral communication competency accepted in place of a course at Florida State University. Acceptable substitutes may include but not be limited to:
 - A grade of "B" or above in a high school oral communication or speech class; or
 - Verified successful participation in a forensic or debate program in high school, community college, or college; or
 - Passing with a "C-" or higher a course in public speaking or argumentation in another college or university (including community college); or
 - Participation for one semester on a university team in which a student's debating skill or the creation of an original speech is judged competitively (e.g., Forensics, Moot Court, Debate Team, World Affairs); or
 - Two years experience in a competitively-selected leadership position in a university-directed, university-sponsored organization with a substantive speaking commitment (e.g., FIG Leaders, University Ambassadors, Orientation Leaders). Administrative positions in fraternities, sororities, or student government do not meet this standard.

The need for specific oral communication skills (such as formal lecture/presentation, interviewing skills, or group dynamics) will vary from discipline to discipline, and while a minimum level of oral competency is required, means of assessing such competency must remain flexible. Thus, several courses will be identified as including basic tests of oral competency, and students passing these courses with a grade of "S" (in S/U courses) or "C-" or higher (in letter graded courses) will automatically be assumed to have completed the requirement.

- Earn a grade of "S" (in an S/U course) or "C-" or better (in a letter graded course) in a course which has been approved by the Undergraduate Policy Committee for oral communication competence credit:
 - Earn a grade of "S" (in an S/U course) or "C-" or better (in a letter graded course) in a course for one to three semester hours in the major or minor that has been certified by the Undergraduate Policy Committee (UPC) as meeting the standards for oral communication competency; or
 - Earn a grade of "C-" or better in one of the following courses: SPC 1017, Fundamentals of Speech, or SPC 2608, Public Speaking.

Regardless of the vehicle, to complete the oral communication competency the student must demonstrate the ability to:

- Generate an original oral message that clearly presents ideas and/or information;
- Make effective use of both vocal and physical delivery in the presentation;
- Adapt the presentation to the particular audience; and

4. Be receptive to questions and/or criticism.

Because speaking experience must focus on generating “an original oral message” courses that emphasize the interpretation or performance of literature do not satisfy this requirement.

Currently Certified Courses:

AFR XXXX	Sequence of three courses. (see the Department of Aerospace Studies for details)
CJL 4565	Courts and Social Policy (3)
CIS 4250	Ethics and Computer Science (3)
COM 3110	Communication for Business and the Professions (3)
ECH 2050	Chemical Engineering Communications (2)
EDG 4410	Classroom Management and Professional Issues (3)
EEL 4911C	Senior Design Project I (3)
CGN 4800	Pre-Senior Design and Professional Issues (2)

AND

CGN 4802	Senior Design Project I (3)
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Note: Both courses must be taken to satisfy the requirement.

EML 4551C	Senior Design Project I (3)
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AND

EML 4552C	Senior Design Project II (3)
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Note: Both courses must be taken to satisfy the requirement.

FIL 2090r	Professional Communication (1)
GEB 3213	Business Communications (3)
MET 3940r	Weathercasting (1)
MUE 3491	Communication Skills for the Musician: Choral (2)

AND

MUE 3495	Music Education Laboratory (1)
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Note: Both courses must be taken to satisfy the requirement.

MUE 3493	Communication Skills for the Musician: Instrumental (2)
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AND

MUE 3496	Music Education Laboratory (1)
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Note: Both courses must be taken to satisfy the requirement.

MUY 4402	Music Therapy: Methods and Practicum II (3)
NUR 3076	Communication in Health Care (3)
NSP 4546	Substance Abuse: Effects on Health, Family, Profession (3)
PHY 3091	Communication in Physics (2)
SMT 4664	Project-Based Instruction (3)
SOW 3350	Interviewing and Recording in Social Work (3)
SPC 1017	Fundamentals of Speech (3)
SPC 2067	Communication for Arts and Design (3)
SPC 2608	Public Speaking (3)
SPC 4620	Strategic Speaking (3)
THE 2020	Introduction to Theatre for Majors (3)

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. The computer competency requirement may be satisfied in one of two ways:

1. Earn a grade of “C–” or better in a course(s) that has been approved by the Undergraduate Policy Committee for computer skills competency in the major
2. Have a prior course, passed with a grade of “C–” or better, certified by the student’s major department as equivalent to the courses approved for computer skills competency in the major

The specific computer competency skills needed vary from discipline to discipline, and while a minimum level of competency is required, means of assessing such competency must remain flexible. Thus, associated with each major is a required course(s) that provides instruction in the discipline-specific computer skills, and students passing this course(s) with a grade of “C–” or better will be considered to have completed the requirement. The list of required courses for each major will include at least one course flagged as satisfying the computer skills requirement. Students should check with their major department to identify the course(s) designated by the department as satisfying the computer skills competency in the major.

Through the vehicle used to satisfy the computer competency requirement, students must demonstrate

- Competent use of a discipline-useful software package
- The ability to perform simple transactions using the Web/Internet

College-Level Communication and Computation Competencies

The state mandates and University-wide requirements for minimum communication and computation skills apply to the rules for academic progress to be followed by students in the state universities of Florida. The statewide graduation requirements of these rules follow.

State Mandates and University-wide Requirements

Procedures. Students will satisfy the requirements of this rule by completing, with a grade of “C–” or better in each course, the liberal studies requirements in Area I (computation), Area II (English composition), and four more liberal studies courses designated by the Undergraduate Policy Committee as requiring 3,000 words of writing (courses indicated with a “W”). These requirements must be completed prior to receipt of an associate in arts certificate from Florida State University or admission to upper division. For more information, see the ‘Progression to Upper Division’ section in this chapter.

Exemptions, Waivers, and Advanced Placement. A student shall be allowed to at least partially satisfy the computation requirement through exemption in one of the following ways:

1. By scoring appropriately on an examination administered on campus by the Department of Mathematics
2. By obtaining a score of at least 680 on the mathematics test of the SAT or the equivalent score (30) on the mathematics test of the Enhanced ACT
3. By satisfying College-Level Examination Program (CLEP) requirements in mathematics for post admission exemptions of coursework

Any student who has satisfied CLEP requirements in mathematics and whose high school transcript shows successful completion of higher mathematics coursework, including college algebra, trigonometry, and calculus, shall be certified as having satisfied the computation requirement, though the student may still be required to complete the computation requirement for liberal studies.

An Advanced Placement calculus score of 3 or higher will satisfy the second computation course requirement.

A student may also be allowed to satisfy the English component through one of the following methods:

1. Students who score 650 or higher on the critical reading portion of the Scholastic Assessment Test (SAT-1) or 29 or higher on the English portion of the Enhanced American College Testing Program test (ACT) will be granted three semester hours of credit equivalent to ENC 1101.
2. For Advanced Placement (AP) scores of 3 on either English Language and Composition or English Literature and Composition a student will be awarded three semester hours of credit for ENC 1101. A score of 4 or 5 on a single exam earns the student six semester hours of credit for liberal studies and state mandates and University-wide requirements.

Transfer Credits or Correspondence Credits. Students transferring to Florida State University who have been certified by Florida State University as having completed the requirements of the Liberal Studies Program by virtue of having received the AA degree from their previous institution will be deemed to have satisfied these state mandates and University-wide requirements.

Students transferring from other institutions that come under the provision of these state mandates, but who have not received the AA degree will be deemed to have satisfied these state mandates and University-wide requirements, if the previous institution indicates, by notation on the transcript or by some other form of written certification, that the student has satisfied these state mandates before leaving that institution.

Transferring students who do not fall into either of the above categories will be required to satisfy Florida State University’s Plan for state mandates and University-wide requirements.

Courses taken by correspondence will be treated in the same manner as courses accepted for transfer.

Progression to Upper Division

For progression to upper-division status at Florida State University, a student must meet the following minimum requirements:

1. Completion of at least fifty-two semester hours of college credit
2. Achievement of a minimum adjusted GPA of 2.0 on all work attempted at Florida State University

Note: Some degree programs require a higher GPA for admission to upper-division status.

- Students who began college work prior to October 15, 1982 must complete a minimum of one-half of the required semester hours from the required liberal studies curriculum, including English composition and undergraduate mathematics (computation).
- Students who began their college-level work on or after October 15, 1982 must complete a minimum of one-half of the required semester hours from the liberal studies curriculum, including the completion of state mandates and University-wide requirements for specific coursework in writing and computation. A minimum grade of “C–” is required in each of the courses used to fulfill the liberal studies requirements in Area I (computation) and Area II (English composition).
- Acceptance by a college for admission to a degree program
Transfer from a lower-division major advisement program to an upper-division degree program is completed by the student’s baccalaureate dean after the student has declared a choice and has been declared eligible for transfer under the above requirements. Transfer from undergraduate studies directly into a baccalaureate degree program is accomplished between the Office of Undergraduate Studies and the appropriate baccalaureate dean under the same conditions.

All transfer students admitted to the University who do not meet the above requirements for admission to an upper-division degree program (except those students majoring in music, dance, or the BFA in theatre) and who have fewer than fifty-two semester hours of transferable credit will be assigned to the Division of Undergraduate Studies. Students with fifty-two or more semester hours of transferable credit will be assigned to the lower-division major advisement program under the appropriate baccalaureate dean unless they request assignment to the Division of Undergraduate Studies. Students requesting assignment to undergraduate studies must do so through the undergraduate admissions office at least one month prior to registration. All students, including transfer students, must have met the requirements for transfer from the Division of Undergraduate Studies by the time they have attempted a total of seventy-five semester hours of college work.

Transfer Among Colleges for Upper-Division Students

For an upper-division student to change colleges within the University, the student must meet the following requirements:

- Obtain a signed approval form from the dean of the college to which the student wishes to transfer.
- Obtain an approval signature on that form from the dean of the college from which the student wishes to transfer.
- Personally submit the original copy of the approved change form to the Office of the University Registrar.

The Associate in Arts

The Associate in Arts (AA) certificate may be granted through the Division of Undergraduate Studies to students who have completed sixty semester hours with an adjusted GPA of 2.0 or better at Florida State University and an overall 2.0 GPA on all college work attempted. A minimum of twenty of the last thirty semester hours of work must be earned in residence. Successful completion of the Liberal Studies Program with a 2.0 GPA or better is required for the AA certificate. Students beginning their college program January 1983 or later must also meet state mandates and University-wide requirements for specific coursework in writing and computation.

Students **cannot** apply for both an Associate in Arts certificate and a bachelor’s degree to be awarded in the same semester. Also, the Associate in Arts certificate cannot be awarded once a bachelor’s degree has been conferred.

The awarding of the AA certificate does not alter the calculation of the cumulative GPA at Florida State University. Certification for the AA certificate in no way affects the requirements of individual colleges for the completion of the major/minor for a baccalaureate degree.

Students interested in receiving the AA certificate and who are completing or have completed all the requirements listed above must officially apply at the Office of Undergraduate Studies.

Educator Preparation

Section 1004.04, Florida Statutes, Public Accountability and State Approval for Teacher Preparation Programs, and State Board of Education Rule 6A-5.066, Approval of Educator Preparation Programs, state that students planning to enroll in a teacher-education program at Florida State University must: (1) complete all University liberal studies requirements; (2) take and pass the General Knowledge portion of the Florida Teacher Certification Exam (FTCE); and (3) acquire a passing score on the Professional Knowledge and Subject Area tests of the Florida Teacher Certification Exam (FTCE) prior

to the final term internship and graduation. Students must also complete: (1) specified degree prerequisites referred to in the appropriate program chapters of this *General Bulletin*; (2) specific admission criteria described in the “Admissions” and “College of Education” chapters of this *General Bulletin*; and (3) the “General Requirements” described earlier in this chapter of the *General Bulletin*.

Note: Students must consult with an adviser to determine how to simultaneously satisfy Florida State University’s liberal studies requirements and the teacher preparation general education core curriculum requirements.

The Baccalaureate Degree

Florida State University’s general requirements for all baccalaureate degrees (bachelor’s degrees) are listed at the beginning of this chapter under “General Requirements.”

Graduation Checks

All undergraduate students must request a graduation check from the Office of the University Registrar, Graduation Section, *A3900 University Center*. This check will be an overview of university requirements needed for graduation. This request should be made at the time the student has earned ninety semester hours of credit or **two terms** prior to the planned graduation date.

Request for a graduation check of major requirements must be made to the student’s academic dean **one term** prior to graduation. If a graduation check has not been requested by the time the student reaches one-hundred semester hours (hours earned plus current enrollment to equal 100), a stop will be placed on the student’s future registration.

Application for Graduation

Application for a degree must be made by the date stated in the academic calendar in this *General Bulletin* during the term in which the student expects to graduate. Students can apply for graduation online through Blackboard’s **Secure Apps**. If the student is unable to graduate at the end of the term for which application was made, he/she must reapply for the degree no later than the deadline for the next term in which he/she expects to graduate.

The Bachelor of Arts Degree

The Bachelor of Arts (BA) degree requires all the general criteria listed at the beginning of this section, **and**

- Completion of a classical or modern foreign language through the 2000 level (2200 or equivalent course)
- Nine semester hours in the fields of humanities and history, in addition to the liberal studies and the foreign language requirement; Courses may be selected from the following colleges, and departments: College of Visual Arts, Theatre and Dance; College of Music; College of Communication and Information (not including work in communication disorders or information), and the departments of Classics; English; History; Modern Languages and Linguistics; Philosophy; or Religion in the College of Arts and Sciences.

The Bachelor of Science Degree

The Bachelor of Science (BS) degree requires all the general criteria listed at the beginning of this section.

Second Baccalaureates and Second Majors

Students should note that there is a difference between a second major and a second baccalaureate degree.

Students may receive a second baccalaureate degree provided that: (1) the requirements for each major/minor as well as individual college requirements for both the first and the second degrees are satisfied; and (2) thirty semester hours in residence are completed, in addition to the hours required for the first degree. The additional thirty semester hours must be completed in residence after the completion of the first degree. Hours earned by the student during the completion of the first baccalaureate degree, over and above those extra credit hours actually required for the first degree, may not be included in the thirty semester hours. There are no liberal studies requirements for the second degree.

To obtain a second major, one must meet all requirements of the college of the primary major but only the major requirements of the secondary major. For information about the second major see ‘Second Majors and Academic Regulations’ in the “Academic Regulations and Procedures” chapter of this *General Bulletin*.

University policy prohibits the awarding of more than one degree from a specific degree program due to the overlap of core requirements of that degree

program. Students should seek guidance from their advisers or their college when choosing to pursue a double major or dual degree. This policy applies to both current and readmitted students.

Degrees of Distinction

Three degrees of distinction are granted to graduating students based on **all** college-level work attempted (excluding physical education activity courses) and including the term's work in which baccalaureate degree requirements are completed:

Cum Laude for an overall average of 3.500

Magna Cum Laude for an overall average of 3.700

Summa Cum Laude for an overall average of 3.900

Degrees with distinction are granted to transfer students who meet all three of the following requirements:

1. The student must complete at this University at least forty semester hours of letter-graded work, including the final term's work.
2. The student must have the required grade point average on all work taken at this University.
3. The student must have the required overall grade point average on **all** work attempted, including any transfer credit excluding any physical education activity courses or vocational courses, regardless of how many years have elapsed since the credit was earned. Transfer credit cannot raise a student's Florida State University grade point average.

Graduation "With Honors"

Students who complete and successfully defend an upper-division honors thesis or equivalent honors projects (as defined by individual departments offering honors in the major) will graduate with the designation "With Honors." Students may graduate with one of the three degrees of distinction described above and "With Honors." The "University Honors Program and Honor Societies" chapter of this *General Bulletin* fully describes the Honors in the Major Program.

Policy for Awarding Degrees

The Florida State University helps students meet their academic goals by monitoring academic progress toward their degree.

If an undergraduate student has completed his or her respective degree requirements, the Academic Dean of the student's program confirms this, and the student is eligible to be awarded the degree, the University reserves the right to award the degree. Once the degree is awarded, the student must be readmitted to Florida State University in order to enroll in any courses.

Students pursuing double majors or dual degrees must formally notify their academic dean of their intent. Undergraduate students pursuing dual degrees in different disciplines must obtain formal approval of their academic dean, following established University procedures for such approvals.

Should the University invoke its prerogative to award a degree once a student has completed all stated degree requirements, the student may appeal this decision. If the student can demonstrate that continued enrollment is necessary to achieve his or her academic goals, the appeal may be granted. Reasons such as, but not limited to, desire to continue financial aid, participate in student activities, and access student services do not constitute legitimate reasons for appeal.

Any undergraduate student who wishes to appeal for continued enrollment, thereby postponing graduation, must submit a written request to the student's academic dean no later than ten class days after being notified that the University is invoking its right to award the degree. This appeal will be reviewed by a committee composed of the student's primary academic dean, the Dean of Undergraduate Studies, and the University Registrar. The committee must find evidence to support the student's claim of a legitimate academic need in order to grant permission to continue taking courses.

Once a degree has been awarded, all coursework leading to that degree is considered final and not subject to change. Grade changes or withdrawals for coursework that applies to the awarded degree may be considered only in cases of documented University error or in cases where the courses in question are documented as applying to a degree that is still in progress.

ACADEMIC REGULATIONS AND PROCEDURES

Required First Day Attendance Policy

University-wide policy requires all students to attend the first day of class meeting of all classes for which they are registered. Students who do not attend the first class meeting of a course for which they are registered will be dropped from the course by the academic department that offers the course. This policy applies to all levels of courses and to all campuses and study centers. **It remains the student's responsibility to verify course drops and check that fees are adjusted.** Please refer to 'Class Attendance' below for additional information.

Class Attendance

Attendance at the first class meeting is mandatory unless properly excused by the class instructor. Students who do not attend the first class meeting of a course for which they are registered will be dropped from the course by the academic department that offers the course. This policy applies to all levels of courses and to all campuses and study centers. **It remains the student's responsibility to verify course drops and check that fees are adjusted.**

All students are expected to abide by the class attendance policy set forth by the instructor in each class in accordance with the *Faculty Handbook*. When possible, students also must provide advance notice of absences, as well as relevant documentation regarding absences, to the instructor as soon as possible following the illness or event that led to the absence. Any arrangement to make up work because of class absence is the responsibility of the student. The instructor, who will explain the evaluation (grading) statement at the beginning of the term, determines the effect of absences upon grades.

Students must attend the section of the course for which they are registered. No instructor has the authority to permit a student to shift from one section of the course to another without following official drop/add procedures. No student may drop a course after the seventh week of classes without the permission of their academic dean.

Until a student is officially enrolled in a course, they are not permitted to attend class, submit assignments, or take tests. Exceptions include students auditing the course or making up work for a prior incomplete grade in the course. Students who are not officially registered for a course or do not appear on the course roster after the end of the second week of the semester should be referred to the appropriate office for documentation based on their circumstance. That may be the Office of Financial Aid, Student Financial Services, the Office of the University Registrar, the Office of Admissions, etc. Students may contact the Office of the University Registrar if they are unsure of which office they need to contact for documentation.

The Director of Student Health Services does not issue excuses to students. A card indicating date and time of admission, discharge or treatment will be given to the student for presentation to the faculty member in a timely manner. Ultimately, the authority for deciding whether the student is excused for medical reasons rests with the instructor.

Students who are members of an intercollegiate team are required to attend all scheduled class meeting times or scheduled online activities associated with the course delivery. Absences due to illness, personal/family emergencies, or injury must be documented. Failure to adhere to the attendance policy may result in sanctions up to and including suspension from the athlete's sport for the remainder of the season. This policy includes required attendance and completion of all final examinations or evaluations for each class in which the athlete is registered. Student-athletes must remain in good academic standing in order to maintain eligibility during post-season games, the upcoming semester, and future competitive seasons. Arranging to make up work missed because of legitimate class absence is the responsibility of the student.

Within the University there are several categories of students that are expected to exhibit behavior that conforms to the group to which they belong. These units include, but are not limited to, ROTC cadets, academic honor societies, veterans, athletes, medicine, and nursing majors. Membership within these units implies that the student agrees to fulfill the obligations of the organization.

Academic Career, Academic Level and Classification of Students

The University classifies students based on whether or not they are degree-seeking. Degree-seeking students are further classified based on the type and level of degree they are pursuing. This classification is the academic career of the student. The University recognizes six academic careers, four degree-

seeking and two non-degree. Although rare, a student may be active in more than one career at a time, subject to the academic policies and requirements of each career and the degree requirements.

Degree-seeking careers:

- Undergraduate: students pursuing baccalaureate degree of any type
- Graduate: students pursuing graduate degrees at all levels except the juris doctorate or doctor of medicine degrees
- Law: students pursuing the juris doctorate (JD) degree
- Medicine: students pursuing the doctor of medicine (MD) degree

Non-degree-seeking careers:

- Non-Degree, without Baccalaureate: students without a baccalaureate degree
- Non-Degree, with Baccalaureate: students who have previously earned at a minimum one baccalaureate degree or higher level degree

Depending on the career of the student, the university may record the advancement of the student toward completion of the degree by tracking the academic level of the student. The academic level of undergraduate students is calculated on the basis of semester hours. Students with a career of Law or Medicine are classified based on their year within the program. Graduate students and various non-degree students do not have specific academic levels or classification.

- **Freshman:** zero through twenty-nine semester hours;
- **Sophomore:** thirty semester hours;
- **Junior:** sixty semester hours;
- **Senior:** ninety semester hours;
- **Graduate:** admitted to a graduate program;
- **Law:** first through third year;
- **Medicine (MD degrees):** first through third year;
- **Non-Degree without Baccalaureate Degree;**
- **Non-Degree with Baccalaureate Degree;**
- **Provisional** (graduate students only);
- **Transient;** and
- **High School Students.**

Student Catalog Year

The matriculation catalog (i.e., the *General Bulletin*) governs each student's graduation requirements—this catalog remains in effect for six years for the bachelor's degree unless the student elects to meet the requirement of any subsequent *General Bulletin* published during the period of enrollment.

Non-Degree Student Regulations

Academic rules governing regular students (e.g., fees, drop/add, withdrawal, grading policies) also apply to non-degree students with the following exceptions:

1. Non-degree students may enroll for fewer than twelve semester hours (underload) without permission.
2. In place of the retention schedule for regular students, non-degree students without a baccalaureate degree must meet the following requirements: after attempting fifteen semester hours, undergraduate non-degree students must have achieved and must maintain a 2.0 ("C") average in all courses attempted.
3. In place of the retention schedule for regular students, non-degree students with a baccalaureate degree must meet the following requirements: after attempting twelve semester hours, graduate non-degree students must have achieved and must maintain a 3.0 ("B") average in all courses attempted.
4. Failure to achieve or maintain the appropriate grade point average (GPA) will result in a loss of registration privilege and dismissal from the University.
5. Non-degree students may register for any course or courses on an S/U basis. Non-degree students selecting courses for enrichment or other reasons where grades are not essential are advised to register on an S/U basis or on an audit basis.

Consult the “Academic Regulations and Procedures” chapter of the *Graduate Bulletin* for policies relating to non-degree student status at the graduate level.

Registration of Non-Degree Students

All registration by non-degree students is on a space-available basis. Because of excessive demand for some undergraduate and graduate courses, non-degree students may be enrolled in such courses only with the permission of the particular unit.

Reclassification from Non-Degree Student to Regular Status

Non-degree students wishing to change to regular-student status must apply for admission through the Office of Admissions. Refer to the “Admissions” chapter of this *General Bulletin* for admission procedures and deadline dates.

Work taken as a non-degree student carries no degree credit. Up to fifteen semester hours earned as a non-degree student may be applied toward an undergraduate degree, with approval of the appropriate dean at the time of reclassification or later.

Course Loads

Florida State University regards fourteen to fifteen semester hours as a normal full-time load, and a student will not be considered full-time with fewer than twelve semester hours. Students should take into account the requirement to take nine semester hours of credit in the summer. A student who maintains a twelve semester hour (low/normal) load will not graduate in four academic years unless a total of twenty-four semester hours are taken during summer sessions.

A course load of more than eighteen semester hours or less than twelve semester credit hours must be approved by the academic dean, and in no case may a student register for or receive credit for more than twenty-one semester hours. A student on academic probation must enroll for not fewer than twelve and not more than fifteen semester hours. Non-degree students are not required to obtain an underload permit.

International undergraduate students must enroll in at least twelve semester hours during each of the Fall and Spring semesters to maintain legal immigration status. An international student adviser may authorize a reduced course load in certain circumstances. Students who wish to enroll in a reduced course load for a given semester must submit a request for authorization to an adviser at the Center for Global Engagement before the end of the drop/add period for that semester. An unauthorized reduction in course load may result in serious immigration consequences. For a complete definition of the full course of study for immigration purposes, to access the reduced course load information and request forms, please refer to <http://www.cge.fsu.edu/>.

See the *Graduate Bulletin* for policies regarding course loads for graduate students.

Directed Individual Study Courses

Students may enroll in courses directed by an instructor for individual study of a particular area. Individual academic departments or programs determine directed individual study policies for students taking directed individual study courses in that department or program. The directed individual study course title must be approved in writing by the instructor offering the course and the departmental chair, or representative, and is posted on the student’s record.

Office of the University Registrar

Registrar: Kimberly A. Barber; **Associate Registrars:** Ann DelRossi, Andrew Konapelsky, Dianne Skinner

Location: A3900 University Center; phone: (850) 644-1050; e-mail: registrar@admin.fsu.edu; Web: <http://registrar.fsu.edu/>

The Office of the University Registrar is the official custodian of permanent academic records of all past and currently enrolled students at Florida State University. It is responsible for registering students and for maintaining student and departmental records for the term in progress, preparing transcripts, scheduling academic space, maintaining and updating curricula, certifying eligibility to receive credit for Credit by Examination, certifying attendance for loan purposes, implementing and monitoring academic regulations, certifying eligibility to graduate, and providing services and information to students, faculty, and administration. Reports and certifications of attendance and grade point average are made to governmental agencies, such as the Veterans’ Administration, with the student’s permission.

Students should consult this office with questions concerning registration, locations, and meeting times of courses; errors in registration records; dropping and adding courses; cancellation of registration; and grade problems.

All changes in permanent and local addresses, name, social security number, divisions and majors, and residency, should be made online or reported to this office immediately.

Persons with Disabilities. Any student in need of specific services and reasonable accommodations should contact the *Student Disability Resource Center*, 108 Student Services Building, (850) 644-9566, or visit <http://www.disabilitycenter.fsu.edu>.

Registrar Cancellation of Schedule

Students allowed to register in error are canceled by the Office of the University Registrar.

Students who are dropped or deleted from their last or only course by an academic department because of nonattendance the first day of class are cancelled by the Office of the University Registrar. This cancellation is without liability for tuition. A student whose registration is cancelled by the University Registrar must apply for readmission.

Cancellation of Student Schedules for Non-Payment of Tuition and Fees

In accordance with Florida State University Regulation 6C2R-2.0248, students who do not pay tuition and fees or make arrangements for tuition and fee payment by the published deadline each semester may have their schedules canceled. Students will be notified using their FSU e-mail account concerning outstanding tuition delinquencies and given an opportunity to pay tuition and fees or make arrangements for tuition and fee payment with the Office of Student Financial Services prior to cancellation. Students whose schedules are canceled for non-payment of tuition and fees will have their academic progress discontinued for the term in question and will not be able to attend class or receive grades.

Reinstatement of Student Schedules Canceled for Non-Payment of Tuition and Fees

Students whose schedules are canceled for non-payment of tuition and fees may appeal to the University Registrar for reinstatement and continuation of academic progress for the term. A written appeal must be submitted to the University Registrar no later than the end of the seventh week of the Fall and Spring semesters (consult the *Registration Guide* for Summer term deadlines). Prior to a student’s appeal being approved, the Office of Student Financial Services must verify that payment for the current term has been received or that appropriate arrangements have been made for tuition and fee payment. Students whose schedules are reinstated are subject to a \$100.00 late registration fee and a \$100.00 late payment fee. Check or credit card payments that are returned or refused will negate any tuition payment agreement for the reinstatement of a student’s schedule. The University reserves the right to deny reinstatement when a demonstrated pattern of tuition delinquencies over two or more semesters has occurred.

Student Cancellation of Schedule

A student may cancel registration during the first four days of classes for a semester or Summer session by submitting a written request to the Office of the University Registrar A3900 University Center or to Withdrawal Services, A4300 University Center. Beyond the fourth day of classes, a student cannot voluntarily cancel registration but must apply for withdrawal from the university. Students who cancel their registration within this time frame are not liable for tuition; if tuition has been paid, such students should request a full refund of fees. Students who cancel their registration and are not enrolled for the following term (non-enrollment for two consecutive terms) must apply for readmission.

International students who wish to cancel their registration must request and receive prior authorization from a Center for Global Engagement adviser. In addition, international students should submit the SEVIS Update Form, available at <http://cge.fsu.edu/forms/sevis/SEVISTransferForm.pdf>.

Drop/Add or Changes of Schedule

During the first four days of classes, individual courses may be added, dropped, or sections of a course changed. Students are financially liable for all courses appearing on their schedule after the fourth day of classes. To add courses after the first four days of classes may require the academic dean’s approval. Courses dropped during this period do not appear on the student’s transcript. Courses may be dropped through the seventh week of classes with the exception of mandated college preparatory courses, freshman composition, and courses involved in allegations of academic dishonesty; however, tuition charges remain. Approval by the student’s academic dean is required to reduce the academic load below twelve semester hours or increase an academic load

above eighteen semester hours (to a maximum of twenty-one semester hours). Dean's approval for an overload or underload must be submitted to the Office of the University Registrar.

A cumulative maximum of two courses may be dropped **between the eighth and twelfth week** of classes during the semesters in which the student has earned fewer than sixty hours of college credit; tuition charges will remain. A student may only drop one course after earning sixty hours of college credit and until graduation; tuition charges remain. In addition to courses involved in allegations of academic dishonesty, other courses may be designated by the dean as not subject to this "late drop" provision. Courses dropped during this period appear on the student's transcript with the notation "W." See the "Academic Calendar" in the *Registration Guide* for the *semester specific deadlines*.

Except in cases where a student is petitioning to use one of the three drops allowed under the policy above, any course drop petition after the seventh week of classes (with dates prorated for individual Summer sessions), will be considered only in documented exceptional circumstances that are beyond the student's control, as determined by the student's academic dean. Academic deans exercise their administrative and academic judgment in making final determinations about drop eligibility. Course drops are never approved when there are unresolved allegations of academic dishonesty in a course or when a course grade reflects an Academic Honor Policy penalty.

Such courses appear on the student's transcript with the notation "WD." Students who register for courses but who do not attend the classes receive a grade of "F" if the courses are not officially dropped. Students changing from a previous bulletin year should consult their academic dean regarding limitations concerning the policy described above.

Students Called to Active Military Duty

Students called to active duty who wish to receive incompletes for the semester and complete the coursework at a later date should fax or present to their individual instructors a copy of the orders calling them to active duty along with a written request to receive an incomplete ("I") in the course. Students called to active duty who prefer to have their schedules administratively cancelled should fax ([850] 644-6140) or hand-carry a copy of their orders along with a statement requesting an administrative cancellation to the Office of the University Registrar, A3900 University Center.

Auditor Seating Privileges

All regularly enrolled students and persons not enrolled in the University are afforded seating privileges after registration on a space-available basis with permission of the instructor, payment of the prescribed fee for each course, and presentation of the appropriate form approved by the Office of the University Registrar. Since no credit is allowed for attendance via "seating privilege," admission to the University is not required. The course(s) taken will not appear on the student's permanent record.

Students are cautioned not to preregister for any course they intend to audit. They will have to drop the course(s) from their official schedule and will incur additional financial liability.

Note: Citizens 60 years of age or older who are Florida residents may attend classes under "seating privileges" criteria, and fees are waived except for those courses requiring individual instruction.

Transcripts

The Office of the University Registrar issues official transcripts at the written request of the student. Individuals needing official transcripts should make a written request directly to the transcript section of the Office of the University Registrar or online at <http://my.fsu.edu>.

Transcript service may be denied if a financial or judicial stop has been placed on a student's record. Clearance from the Controller's Office or the Judicial Office must be obtained prior to the release of the transcript. Transcript service may also be denied if the request is made by a third party without the student's written consent.

A charge of \$5.00 will be assessed for each official transcript issued.

Unofficial transcripts are available to students free of charge. Visit <http://my.fsu.edu>, click the **Secure Apps** tab and select **My Unofficial Transcript**.

Proof of Enrollment

All student enrollment verifications will be by official request only. Students in need of enrollment verification should submit an electronic request through the Student Central section of the myFSU portal (<http://my.fsu.edu>). Select **Enrollment Verification**. Follow the instructions to obtain your enrollment verification letter. Your letter will be processed the following business day. Written requests may be submitted directly to:

Office of the University Registrar
Florida State University
A3900 University Center
282 Champions Way
PO Box 3062480
Tallahassee, FL 32306-2480.

Former students or outside agencies may request an enrollment verification or degree verification online from the National Student Clearinghouse at <http://www.degreeverify.org>.

Access to Records

Students have the right to have access to their student records on file in the Office of the University Registrar. Students requesting access to information in their file, or a third party requesting information in a student's file **with the written consent of the student**, have the right to a response from the Office of the University Registrar within thirty days. When the record includes information on more than one student, only the information pertaining to the student making the request will be given.

Parental or Third Party Access to Records

Students may give a designated parent(s), or other third parties (i.e. sibling, spouse, etc.), authority to review their University financial status, grades, transcript, student profile, etc. by logging onto the myFSU portal (<http://my.fsu.edu>) and selecting the Parent/Third Party Access link within Secure Apps. Granting access to a parent or third party to view information in this manner also authorizes University personnel to discuss those records with the designated parent or third party.

Registration

During each academic term, an official registration is held for all currently enrolled, degree-seeking students who expect to enroll for the following term. Students registering for their first term do so during their orientation.

Registration at Florida State University is conducted by Web site. To register online, go to <http://my.fsu.edu> and choose "Enroll in Classes". Using the Web site, students can register for all of their courses in a matter of minutes and can gain access to information concerning their tuition and fees from the privacy of their own home. **Please note that by registering, students accept both fee and grade liability.** Students are advised if the requested course is available and informed of other matters related to registration, such as variable credit.

Registration Guide and Course Schedules

Florida State University publishes the *Registration Guide*. The *Guide* contains a list of all registration deadlines, fee and payment information, and important announcements. This information is published online at the Office of the University Registrar Web site, at <http://registrar.fsu.edu>.

Lists of course offerings, meeting times, locations, and instructors (when known) are available online through the **Course Search**. This system is available twenty-four hours a day, year round. To view class schedules, select the Course Look Up link from the Web page of the Office of the University Registrar. Course listings for an upcoming semester will be available fourteen days prior to the first registration window for that semester.

Students are advised to organize their materials and plan their schedule before attempting to register online. Students must contact the appropriate departmental office for any clearances or authorization needed. Individual instructors should be contacted for courses requiring instructor permission. It is important to take care of any academic or administrative hold (stop) before attempting to register.

Registration Responsibility

Undergraduate Studies students and first-time transfer students must see their academic advisers for assistance with their course selection prior to registration. New students may be required to register for preparatory mathematics and/or English courses to complete registration.

Students are responsible for meeting prerequisites and corequisites for each course in which they are enrolled. Students are also responsible for any changes made to their schedule without an adviser's approval through the drop/add process.

Students will receive credit only for those courses in which they are properly registered. Likewise, students will be held responsible for every course for which they register unless they officially drop the course or cancel registration.

Those students who register during late registration (normally the first four days of classes) will be assessed a \$100.00 late registration fee.

Registration Permits

All permits, such as directed individual study (DIS), satisfactory/unsatisfactory (S/U) grading, and requests to take a graduate course by undergraduate students, ideally should be completed at the time of academic advisement. All permits must be completed by the end of the seventh week of classes of the Fall or Spring semester, or by the prorated term deadlines published in the Summer *Academic Calendar*. Many permits require the signature of the academic dean as well as the adviser. Students are responsible for ensuring that the Office of the University Registrar has copies of these permits on file prior to the deadlines published in the academic calendar.

Course/Credit Modification

Course credit may be modified downward with the approval of the chair of the department that is offering the course and the appropriate academic dean. No course may be modified upward. Any student wishing to modify credit may obtain the necessary forms in the Office of the University Registrar.

Required Preparatory Courses

A student entering as a freshman who has a score of 430 or below on the Critical Reading Subtest administered as part of the Scholastic Aptitude Test (recentered SAT), 16 or below on the English section of the Enhanced American College Testing Program examination (ACT), or 82 or below on the Florida College Entry-Level Placement Test (CELPT), or failure to pass the on-campus writing test administered by FSU's English department, will be required during the first term of enrollment to take precollege work in composition, ENC 0020, offered by the Tallahassee Community College. Those students with a recentered Critical Reading SAT score of 430 or below, an Enhanced ACT reading section score of 17 or below, or 82 or below on the Florida College Entry-Level Placement Test (CELPT) will be required to take the Nelson-Denny Reading Test. Depending upon the score earned on this test, students may be exempt from a preparatory reading course or they may be required to enroll in either REA 0002 (offered by Tallahassee Community College) or REA 1905 (offered by FSU). A student entering as a freshman whose score on the recentered SAT Critical Reading Subtest is 440-470 or on the Enhanced ACT English is 17-18 may be required to enroll in ENC 1905r. Such students will not be allowed to register for ENC 1101 during the first term of enrollment unless they score sufficiently high on the on-campus writing test administered by FSU's English department.

Students entering as freshmen who have a recentered SAT mathematics score of 430 or below, an Enhanced ACT mathematics score of 18 or below or 71 or less on the Florida CELPT must take the on-campus Supplemental Mathematics Skills test. On the basis of scores on the SAT/ACT mathematics tests and the Supplemental Mathematics Skills test, students will, as space permits, be: (1) placed in MGF 1106 or higher; or (2) be required to take community college preparatory coursework in mathematics, either MAT 0024C or MAT 1033. Tallahassee Community College offers MAT 1033 on the campus of Florida State University year round; however, TCC only offers MAT 0024C on the FSU campus during the Summer semester. Students who do not pass MAT 0024C during the Summer will be required to take it on the TCC campus. Students completing MAT 0024C with a passing grade must register for MAT 1033 in their next term of enrollment. Students taking MAT 1033 must pass this course with a grade of "C-" or better before registering for advanced math classes. If MAT 1033 is not passed with a grade of "C-" or better, it must be repeated in the next successive term until a passing grade is achieved. All remedial coursework must be completed with a passing grade: "Satisfactory" for S/U graded coursework or "C-" for letter graded coursework.

Stops to Registration

Registration is prevented if all academic and/or administrative requirements have not been fulfilled prior to the term. A stop may be placed on the student record if one or all of the following deficiencies exist: academic dismissal; incomplete admissions documents, fiscal deficiency, or failure to process readmission papers after a withdrawal or after a two-term absence (including the Summer term) from the University. Also, failure to meet specific requirements of a University college, school, or department, the judicial office, or the office of non-degree students may induce a registration stop.

A stop is placed on all students who have outstanding charges due to the University. Students owing any fees are not permitted to register for classes. The stop is not removed and such students are not permitted to register until the debt is cleared.

Students notified of a stop should contact the notifying office immediately and arrange for removal to be allowed to register for classes, receive official transcripts, and/or receive a diploma.

If students with a stop on their record are allowed to register in error, they are considered illegally enrolled in the University. If the stop is not removed after notification of such an error, the student's registration is subject to cancellation.

Undergraduate Students: Permission to Register for Graduate Courses

A student of senior standing or an upper-division honors student may carry graduate courses for undergraduate credit provided the student: (1) has earned either a grade point average (GPA) of 3.0, "B," or better, or has made a combined score on the Graduate Record Examinations aptitude test of at least 1000; (2) carries a course load of no more than fifteen semester hours; and (3) has the advance approval of the college dean, the department chair, and the instructor offering the course, prior to registration. Students must have eligibility certified in the Office of the University Registrar before seeking approval of those listed in item three.

Note: Effective August 2011, the GRE Revised General Test replaced the GRE General Test. To learn more about this new test, go to <http://www.ets.org/gre>.

Students who wish to receive graduate credit for such coursework must obtain approval of the college dean, the department chair, and the instructor offering the course prior to registration for the graduate course. After approval, up to twelve semester hours may be counted toward a graduate degree at Florida State University, provided the course has not been counted toward a previous degree.

Florida Agricultural and Mechanical University– Florida State University Interinstitutional Registration

A full-time student at one institution may enroll in one or more courses at the other institution under the following conditions:

1. Permission is to be given by the academic dean of the student's home university.
2. Courses taken at the host university should be those normally not offered at the student's home university.
3. Students taking courses at the host university on a satisfactory/unsatisfactory (S/U) basis will be held to the home institution policies regarding the total number of courses allowed on the S/U basis or in a specific degree or major. Students are encouraged to consult their academic adviser about any limitations prior to registration.
4. The final grade obtained by the student shall be reported directly to the student's home university for entering on the student's transcript. Grades, credits, and quality points are treated as home-institution work.
5. All tuition and fees are paid to the home institution.
6. Faculty and full-time students at either institution have equal access to the library facilities at both institutions.
7. Students must maintain a minimum 2.0 cumulative Florida State University GPA to be eligible to participate in the co-op program. Prior to attempting twelve hours, students who fail to maintain the 2.0 GPA may consider themselves on probation, although no entry will be placed on their transcript, and they may continue to enroll, assuming all other conditions of eligibility are met. After attempting twelve hours, students must meet and maintain the minimum 2.0 cumulative GPA to continue enrolling through the program.
8. To register, see the FAMU–FSU Cooperative Program representative in the Office of the University Registrar. For engineering requirements, see the "FAMU–FSU College of Engineering" chapter of this *General Bulletin*.

Tallahassee Community College/Florida State University Cooperative Program

A student at one institution may enroll at the other institution under the following conditions:

1. **Admission.** A Tallahassee Community College student wishing to dual enroll at Florida State University must obtain specific approval from the designated representative in the Office of Enrollment Services at Tallahassee Community College and the Office of Admissions at Florida State University. (Consult the "University Calendar" chapter of this *General Bulletin* for specific application deadlines.) Florida State University students planning to take courses at Tallahassee Community College must obtain the approval of their academic dean and the Office of the University Registrar prior to submitting the registration request to

the Office of Enrollment Services at Tallahassee Community College. Minimum requirements for FSU student approval are 1) completion of at least one semester at FSU before the term indicated begins; 2) good academic standing; and 3) the course load at TCC must not exceed the course load at FSU.

2. **Registration.** Courses taken at the host institution must not be offered at the home institution. If there is a shortage of classroom space, interinstitutional students will be given lower priority for scheduling than home students.
Note: Interinstitutional students will be expected to follow prescribed registration procedures at each institution. If academic term calendars of the institutions vary, students will be expected to attend all classes, complete examinations, and discharge other responsibilities normally required of students in accordance with the schedule of each institution.
3. **Fees.** The student will pay fees to the host institution.
4. **Records and Certification.** Each institution will maintain its own permanent record of courses taken. Unofficial grade reports will be exchanged by the institutions at the end of each term. Certifications of enrollment or progress will be made by each institution when requested by the student for Selective Service, Veteran’s Administration, or other purposes.

FSU students must complete their last thirty hours at FSU. The student must provide FSU with an official TCC transcript at the end of the dual enrollment term.

Interinstitutional Transient Students

This program enables students to take advantage of special resources and/or programs not available at their home institution. An interinstitutional transient student, by mutual agreement of the appropriate academic authorities in both the sponsoring and hosting institution, will receive a waiver of admission requirements of the host institution and a guarantee of acceptance of earned resident credits by the sponsoring institution except in the case of international credits. An official course-by-course evaluation is required for all academic records from non-U.S. institutions. Students should refer to the ‘International Student Admission’ section in the ‘Admissions’ chapter of this *General Bulletin*. Interinstitutional transient students must be recommended by their own academic dean, who will initiate a visiting arrangement with the appropriate dean at the host institution. Students will register at the host institution, paying tuition and/or registration fees established by that institution. The approval of one institution does not bind the other to comply.

Students from other institutions who wish to take courses at Florida State University should submit an approved Interinstitutional Transient Student application to the Office of Admissions by the published deadline. (Consult the ‘University Calendar’ chapter of this *General Bulletin* for specific application deadlines.)

Note: Academic rules governing regular students (e.g., fees, drop/add, withdrawal, grading policies) also apply to transient students.

Undergraduate Course Examinations

Final examinations in undergraduate courses are discretionary within any given department, but all students, including graduating seniors and graduate students, who are enrolled in an undergraduate course having a final examination are required to take the examination. The scheduling of a final examination at any time other than the regularly scheduled final examination period is prohibited by University policy. A final examination may not be given during the examination period at a time other than that which appears online at <http://registrar.fsu.edu>. Unless an exam is given during the final examination period, no test may be given during the last week of classes.

Courses meeting every day at the same hour and classes meeting for more than one time period will hold examinations according to the time and day of the first scheduled class meeting of the week. For example, a class meeting for the first period on Tuesday and for the second period on Thursday will hold its examination at the exam time scheduled for the Tuesday first period.

Under special circumstances, exceptions to final examination policies for individual students will be given consideration by the academic dean of the college in which the course is taught.

Exceptions to the Examination Policy for an Individual Undergraduate Student. Approval by the academic dean of the school or college in which the course is taught is required for any change in examination time for an individual undergraduate student. The student must first receive written permission from the instructor if the instructor is willing to give a make-up examination at a specified time within the exam week. The student must then petition the dean, giving the reason for the requested exception, and supported by the instructor’s written permission. The dean will then notify the instructor in writing if approval is granted.

Make-up examinations are permitted for an undergraduate student when justified by illness, conflicting examinations, four or more examinations in a 24-hour period, or for certain emergencies. Arrangements should be made prior to the scheduled exam.

In case of conflicting examinations, group examinations take precedence over examinations scheduled by class meeting time. In the case of conflicts that cannot otherwise be resolved, the course meeting earlier by day and time takes precedence over a course meeting later.

Note: The possibility of a conflict between final exam times exists, particularly for courses that meet in the evening or only once each week. It is the student’s responsibility to identify if a conflict exists and immediately make special arrangements with the instructor to take the exam at an alternate time. Conflicts not recognized one month in advance of the scheduled exam must be resolved by using the established make-up time.

Exceptions to the Examination Policy for an Undergraduate Class. Courses that utilize the University Assessment Center for a block exam, or which are otherwise limited to specific days and times because of seating and scheduling constraints, will take precedence in the case of final exam schedule conflicts. It is the student’s responsibility to identify such conflicts as early as possible and to notify all instructors in advance so that accommodations may be made. No instructor of an undergraduate course may give a final examination during the separate examination period at a time other than that which appears online at <http://registrar.fsu.edu>, unless the instructor has obtained prior approval from the Undergraduate Policy Committee. Such approval must be requested, in writing, at least three weeks prior to the scheduled final examination. To reschedule a final examination without such approval places the instructor in jeopardy of administrative reprimand by his or her dean and the Vice President for Academic Affairs.

Undergraduate Distance Learning Exams. If the instructor of an online course requires a final exam, the instructor shall have the prerogative to set the window during which a final exam is administered provided that the window is within the University’s official final exam period. A final exam window must be disclosed in the course syllabus. Make-up examinations are permitted for an undergraduate student when justified by illness, conflicting examinations, four or more examinations in a 24-hour period, or for certain emergencies. It is the student’s responsibility to identify if a conflict exists and immediately make arrangements with the instructor to take the exam at an alternate time during the University’s official final exam period. If a student has such conflicts, the final exams of the student’s non-online classes shall have priority and the time of the online exam will be the first exam subject to adjustment. If such agreement cannot be achieved between the student and the instructor, then the academic deans of the units housing the various courses will consult to achieve agreement.

This explanation is intended only to clarify existing University exam policy for online classes and all provisions of University exam policy that do not conflict with what is stated above remain in effect.

Grading System

Definition	Grade	Quality Points Per Credit Hour
Excellent	A	4.00
	A-	3.75
Good	B+	3.25
	B	3.00
	B-	2.75
Average	C+	2.25
	C	2.00
	C-	1.75
Poor	D+	1.25
	D	1.00
	D-	0.75
Failure	F	0.00
Honors Medicine	HM	4.00
Pass Medicine	PM	3.00
Pass	P	N/A
Satisfactory	S	N/A
Unsatisfactory	U	N/A
Incomplete	I	N/A
Incomplete Expired	IE	0.00
No Grade Received from Instructor	NG	N/A
No Grade Expired	GE	0.00
Withdrawn while Passing	W	N/A

Withdrawn with Dean's Permission	WD	N/A
Examination Credit	EC	N/A
Departmental Examination	ED	N/A

Grade Point Average

Quality points are assigned for each semester hour as listed above. In computation of the required grade point average (GPA) for retention and conferral of a degree, the total number of quality points is divided by the total number of semester hours for which letter grades are received.

All regulations tied to a specific grade average should be interpreted to mean the numerical average associated with that specific grade. Hence, the required "C" average or better" on all liberal studies courses is interpreted as "2.0 average or better."

Students may repeat courses in which they received a grade of "D" or "F." Both the original and repeat grades will be used in the computation of GPA but credit for only one attempt will apply toward graduation.

A student will not be allowed additional credit and/or quality points for a course repeated in which the student originally made a "C-" or better unless the course is specifically designated as repeatable to allow additional credit. If a course listing is followed by a "r" it may be repeated, regardless of grade received, to the number of times or hours stated.

Dean's List

Undergraduate students who are registered for at least twelve semester hours of letter-grade (A–F) courses are eligible for the dean's list. The required grade point average is 3.50, in all colleges, for any given term.

President's List

Undergraduate students who are registered for at least twelve semester hours of letter grade (A–F) courses are eligible for the president's list. The required grade point average is 4.0, in all colleges, for any given term.

Satisfactory/Unsatisfactory Grading

A. Undergraduate Courses Approved on a Letter-Grade Basis

To encourage liberal education and focus on learning, the University permits limited enrollment in elective courses outside the major, minor, and liberal studies areas on a satisfactory/unsatisfactory basis; the student must have at least second-semester freshman standing and at least a 2.5 grade point average. S/U permit forms must be obtained from and eligibility certified by the Office of the University Registrar no later than the end of the seventh week of classes. No undergraduate courses in the College of Business are offered under this option.

With the exception of courses in the College of Business, a course outside a student's major, minor, and liberal studies areas normally approved for letter grades may be elected on the S/U basis and, if completed with an "S" grade, will count toward the minimum semester hours credit required for graduation and upper-division distribution but will not be included in the grade point average. The course grade will be recorded officially as satisfactory ("S") or unsatisfactory ("U"). Registration on an S/U basis is limited to one elective course per term (exclusive of physical education activity courses) and to a maximum total of eighteen semester hours. (See exceptions under section B below.)

In addition to the one elective course, a student may elect to take concurrently a physical education course to be graded on the S/U basis by obtaining proper approvals prior to registration.

Students will be allowed seven weeks to decide whether or not they want to take a course on a satisfactory/unsatisfactory basis. They may change to S/U from a letter grade at any time before the end of the seventh week of the term. Courses initially elected on the S/U basis may be changed back to a letter-grade basis prior to the end of the seventh week of the term or the equivalent prorated Summer deadline.

Approval forms are available in the Office of the University Registrar.

B. Courses Approved on an S/U Basis

Certain other courses that are approved for S/U grades exclusively (practicum, internship, laboratory, student teaching, individual work, research) may be applied toward the major or minor. There is no student letter-grade option for courses approved on the S/U basis; all students must be graded on an S/U basis. The credits earned in these courses are excluded from the total stipulated in section A (above) as permissible. Also, enrollment in a course offered on the S/U basis only does not exclude enrollment in an elective course under the S/U option (in section A above) in the same term.

C. Graduate Students

Policies and procedures for satisfactory/unsatisfactory grades for graduate students are explained in the *Graduate Bulletin*.

Grading Practices

At the end of each term, a report of each student's grades is made available through Florida State University's *my.fsu.edu* site.

Grades earned at another institution cannot be used to improve a grade point average or eliminate a quality point deficiency at Florida State University.

A student who is passing a course but has not completed all of the required work in the course at the end of the term may, in exceptional cases and with the permission of the instructor, be assigned a grade of "I" and a default grade based on the actual work completed in the class to date. This may include excused absences from final examinations. If the student fails to complete the coursework by the semester specified by the instructor, the default grade will replace the "I" grade and become the final grade. Grades of "I" are not assigned to any courses if a student withdraws from the University. A grade of "I" or "NG" in a course that is approved for "S/U" or numeric grades will follow the same grading and expiration policy.

Effective Fall 2013, the University will not automatically expire "I" grades earned prior to Fall 2010 or "NG" grades earned for any semester. Students must work with faculty and academic deans to resolve any outstanding "I" or "NG" grades prior to graduation. Outstanding "I" or "NG" grades that are not resolved prior to the degree posting will not be changed except in cases of error in recording. Faculty and academic deans reserve the right to expire an "I" or "NG" grade to "IE" or "GE" respectively. These grades are considered final grades and will calculate as an "F" in the student's overall GPA. In cases where the "I" or "NG" grade was earned in a course approved for numeric grades or "S/U", the grade will expire to the lowest possible value, generally a zero or "U".

Once a final grade in a course has been reported by the instructor to the Office of the University Registrar, it cannot be changed by the instructor except in cases of error in recording. A change in a grade may be made only by permission of the department chair and the dean of the college.

Grade changes to course earned prior to posted degree.

Once a degree has been awarded, all coursework leading to that degree is considered final and not subject to change. Grade changes or withdrawals for coursework that applies to the awarded degree may be considered only in cases of documented University error or in cases where the courses in question are documented as applying to a degree that is still in progress.

Forgiveness Policy

Effective Fall 2004, Florida State University has discontinued the forgiveness policy for all students. Please refer to the 'Drop /Add or Changes of Schedule' section in this chapter for additional information.

Academic Retention and Standing

All students must demonstrate satisfactory academic progress for retention and continued enrollment at Florida State University. Satisfactory academic progress includes, but is not limited to, successful completion of credit hours and progression toward completing a degree. The University reserves the right not to retain students who do not demonstrate satisfactory academic progress.

Students should refer to the table below indicating the necessary grade point average (GPA) on all coursework taken at Florida State University required for retention at the University. The Retention Table takes into consideration the number of semester hours the student has attempted and indicates the GPA range that will place the student on academic warning or academic probation. Students who fail to resolve probationary status will be dismissed at the end of the next semester for which they are enrolled.

A minimum Florida State University GPA of 2.0 ("C") or better and an overall 2.0 GPA on all college-level work attempted is required for graduation. "College-level work" is interpreted to mean coursework attempted for credit at the college level, but does not include vocational, technical, or other courses not applicable toward a degree. Students should maintain at least this minimum at all times to be in good standing. Statuses of "academic warning," "probation," or "reinstated from dismissal" do not specifically prohibit a student from participating in extracurricular activities unless otherwise specified by University policy, rules, or by-laws governing the activity or organization. To be retained in the University, a student must achieve an overall Florida State University average at the end of each term which, in the judgment of the University, is sufficiently near 2.0 to permit reaching the 2.0 average by the beginning of the junior year.

Attempted Hours	Warning GPA Range	Probation GPA Range
1—15	1.5—1.999	Less than 1.5

16—30	1.75—1.999	Less than 1.750
31 or more	—	Less than 2.0

Dismissal: Failure to remove probation by the end of next term.

Warning

As an aid to students in the Division of Undergraduate Studies and lower-division music, dance, and Bachelor of Fine Arts (BFA) in theatre students (freshmen and sophomores), an “academic warning” will be included with grade reports at the end of the term if the cumulative average has fallen below 2.0 but not low enough to place the student on academic probation.

Probation

When any student’s grade point average (GPA) falls within the probationary range, the student will be placed on academic probation for one term. A student on probation must enroll for not less than twelve and not more than fifteen semester hours during the probationary term. If the student fails to remove the probationary status by the end of the term, the student will be dismissed.

Students on academic probation who elect to enroll in a Florida public postsecondary institution (or in an accredited institution within or outside the state) and who receive an Associate in Arts degree with an overall 2.0 average will have the probationary status and their previous Florida State University average removed upon application for readmission, and will be guaranteed a maximum of sixty semester hours.

Dismissal and Reinstatement

The dismissed student **must** consult the student’s academic dean at the time of dismissal about criteria governing possible readmission to the University. Students dismissed because of low grade point averages (GPA) may be readmitted by: (1) achieving the required minimum average through correspondence courses offered by the State of Florida, Division of Colleges and Universities; (2) attending and graduating with an Associate in Arts (AA) degree from a Florida public postsecondary institution (or a regionally accredited institution within or outside the state) with an overall college average of 2.0 or higher; or (3) being reinstated by the academic dean (only in extraordinary circumstances). In the latter case, if the student fails to achieve the required GPA for unconditional retention during the first term of reenrollment, the student will again be dismissed. Students are not eligible for readmission after two dismissals.

Consideration of the academic dismissal takes priority over any readmission application and must be resolved first. Students on dismissal are not eligible for readmission or the readmission appeals process unless they have first been reinstated by the academic dean. The academic dean is the final authority for reinstatement consideration. Reinstatement by the academic dean does not constitute automatic readmission. Students who have been out of the University for more than two consecutive semesters must go through the readmission process and meet University requirements and standards.

Under option 2, the student’s Florida State University GPA will start over upon readmission. In addition, the student earning an AA degree from a Florida public institution is guaranteed a minimum of sixty semester hours.

Grades earned at another institution cannot be used to improve the Florida State University GPA. A student cannot raise the GPA by taking courses at another institution after receiving the AA degree.

Credit hours earned during any period of dismissal cannot be applied to the minimum one hundred twenty semester hours required for graduation. The only exception made to this provision is for credits earned under option 2 above.

All students who enter Florida State University for the first time are assured retention for their second term. Students may, however, be placed on academic probation at the end of the first enrolled term.

Students pursuing multiple degrees under different careers (i.e., graduate and undergraduate simultaneously) are subject to the retention standards of the career associated with each degree. Dismissal from one career does not automatically constitute dismissal from the second career when those careers are different (i.e., undergraduate and graduate, or Law and graduate).

Graduate students should refer to the “Dismissal” section in the “Academic Regulations and Procedures” chapter of the *Graduate Bulletin*.

Continuous Enrollment

Continuous enrollment at Florida State University is defined as enrollment without an interruption of two or more consecutive semesters (including Summer term). Credits earned at other institutions during any semester while not registered at Florida State University will not constitute continuous enrollment at the University. Students who are not enrolled at the University for two or more consecutive semesters must apply for readmission before resuming

their studies. Any break in continuous enrollment requiring readmission or reinstatement may cause the student to be subject to current legislative Excess Credit policies and fees. For more information on Excess Credit fees, refer to the “Financial Information” chapter of this *General Bulletin*.

Readmission

Please refer to the “Admissions” chapter in this *General Bulletin* for readmission policies for returning students who have not been dismissed.

Withdrawal from the University

All students who wish to leave the University during a term must formally withdraw. Dropping all classes does not constitute formal withdrawal. Students who do not attend classes and fail to withdraw will be assigned grades of “F” for each course. Withdrawals are initiated in the withdrawal services section of the Office of the Dean of Students in the University Center.

The statement “Withdrew from the University” will appear on the transcripts of students who properly withdraw within the first seven weeks of class. After that date, depending on the quality of work at the time of withdrawal, grades of “W” or “F” will be assigned by instructors and placed on the student’s transcript with the withdrawal statement. Under documented exceptional circumstances (beyond the student’s control), as determined by the appropriate academic dean, a student withdrawing from the University may receive “WD” grades in all courses taken that term.

Students who cancel their enrollment during the first five days of classes for a term are not held liable for tuition and registration fees. Those who have paid are eligible for a full refund. Students who withdraw after the first five days of classes but prior to the end of the fourth week of classes are eligible for a twenty-five percent refund of tuition and registration fees, less the building and capital improvement fees; this deadline is adjusted for shorter Summer terms. Students who withdraw after this deadline are fully liable for fees and are not eligible for a refund, except as provided in policies set forth by the State Board of Education and Florida State University. Students who receive Title IV funds and who decide to withdraw from the University may be required to repay some or all of the funds received.

A student wishing to reenter the University for the following two semesters after withdrawal must have the approval of their academic dean on the ‘Application for Withdrawal and Reentry’ form. For degree-seeking students wishing to reenter the University after two semesters, an application for readmission must be submitted to the Office of Admissions; non-degree students must complete the original application process. Formal application must be made to the Office of Admissions by the published deadline. Students who left the University on dismissal must resolve that and be reinstated by the academic dean before any decision can be made on the readmission application. (Consult the “University Calendar” chapter of this *General Bulletin* for specific application deadlines.)

International students who wish to withdraw **must** request and receive prior authorization from a Center for Global Engagement adviser. In addition, international students should submit the SEVIS Update Form, available at <http://www.cge.fsu.edu>.

For further information on refunds, see the ‘Refunds of Fees’ section in the “Financial Information” chapter of this *General Bulletin*.

Readmission after Multiple Withdrawals

When a student has withdrawn from the University three or more times, subsequent readmission must first be considered by a committee whose charge is to assess the student’s capability of making satisfactory progress toward degree. This committee, appointed by the Council of Associate and Assistant Deans, will then make a recommendation to the dean of the student’s college, who will make the final decision.

Medical Course Drop/Withdrawal

Medical course drops are generally recommended for approval by the dean for unforeseeable illnesses or injuries that have interfered with the student’s ability to complete specific course(s). Similarly, medical withdrawals (all courses dropped) may be approved for acute, severe illnesses, or injuries that incapacitate the student. Chronic conditions generally do not qualify unless the student has been stable for a sustained length of time and then experiences an unexpected change in health status. Students with chronic or recurring health problems should consult with their clinicians and carefully assess a realistic class schedule based on their condition and their likelihood of relapses. At the time this Bulletin went to press, these policies were under review and may be subject to change. For information regarding medical course drops and medical withdrawals, visit <http://withdrawal.fsu.edu/health.html> or call the Withdrawal office at (850) 644-1741.

Guidelines for Field Placement Fitness

These guidelines apply to all student field placements, including internships, practicum experiences, and student teaching. The University has the authority to determine both the fitness of its students to be placed in field placements and the suitability of particular field placement sites. The academic judgment of qualified faculty, on issues relevant to the professional requirements of a given field, is critical to this process.

Students may either be denied a field placement or removed from a placement on the basis of the academic judgment of qualified faculty. Students have the right to be informed of the academic and non-academic requirements for obtaining a field placement early in their majors. They also have the right, except in emergency cases, to receive notice of their deficiencies and an opportunity to correct those deficiencies prior to a final decision. Students should consult the information provided by each specific college, department, or academic program of interest for more detailed information.

FLVC Information

All current and prospective students of higher education in the state of Florida may access the FLVC (Florida Virtual Campus) Web site. By logging on to <http://www.flvc.org> you can perform a variety of tasks, including the following:

- View a map indicating the location of every participating college or university
- Search course catalogs from all public and many private Florida colleges and universities, as well as all state community colleges
- Get questions answered about financial aid
- Plan your course of study and compare majors and degree requirements
- Get a copy of your unofficial transcript
- Investigate career options through your institution's career center
- Find out general information about every participating college or university in the program.

Each student is automatically assigned a PIN code to log on to the FLVC.org Web site. This PIN is also used when students wish to be transient students and take courses at another college/university for a semester. Your birth month and year (mmyy) has been assigned to you automatically as your FACTS PIN code. You must change your FACTS PIN code from birth month/year default to a unique four-digit code. You may change your FACTS PIN code by logging on to <http://my.fsu.edu> and clicking the Secure Apps tab. From there, click the FACTS PIN link to change the PIN. Your FACTS PIN code may be changed as often as desired and should be regarded as confidential and under your control. Please memorize your new FACTS PIN code. You must have it to access your information through the FLVC.org Web site.

In order to provide security for a student's confidential FACTS PIN by preventing further access, a lockout occurs after ten consecutive access denials for attempting to access a student's confidential records. Should you get locked out, please call (850) 644-1050 to request reinstatement, and be prepared to provide proper identification.

Second Majors and Academic Regulations

Students pursuing a second major should be aware that the **primary major only** determines the selection of the student's academic dean for the purposes of academic regulations at Florida State University. That is, rules regarding student dismissal, reinstatement, and all general academic qualifications at the University are governed and enforced by the primary major and that major's corresponding academic dean. Conflicts between primary and secondary major policies shall in all cases be resolved in favor of the primary major. Second major academic deans shall only be concerned with the student's completion of all requirements, prerequisites, etc., for that second major.

Correspondence Study

All correspondence instruction for the Florida State University System is administered through the University of Florida's Division of Continuing Education, Department of Independent Study by Correspondence.

College credit, high school credit, and continuing professional education courses are available anytime, anywhere through regular mail and fax (some by e-mail). Independent Study offers more than 150 courses to students who would like either a flexible schedule or an opportunity to take extra classes. It is possible to enroll any time during the year.

Regularly enrolled students may not engage in correspondence study while in residence at the University. Students who expect to take correspondence courses during a break in residence should discuss these plans with their faculty adviser and then obtain written approval from their academic deans.

Correspondence courses may be taken while a student is ineligible to return to the University for academic reasons, but such courses may not be counted toward an undergraduate degree.

College courses include Advertising, Chemistry, Economics, Education, English, History, Journalism, Management, Marketing, Political Science, Psychology, Religion, Statistics, and more. Continuing Professional Education courses include a Business Leadership and Management Certificate, Dietary Management, Environmental Management Systems, Insurance, Legal Assistant Certificate Program, plus others. High school courses cover Accounting, Art, Foreign Language, Health, Humanities, Mathematics, Peer Counseling, Science, and Social Studies.

Any teacher in the state of Florida can now use correspondence course credit, as appropriate, to apply toward the recertification of their teaching licenses. 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. Call or write now for your free copy: *University of Florida, Department of Independent Study, Division of Continuing Education, Suite D, 2209 NW 13th Street, Gainesville, FL 32609; (352) 392-1711 Ext. 200; or e-mail: Learn@nervm.nerdc.ufl.edu*. Additional information can be found at their home page: <http://www.correspondencestudy.ufl.edu>. Catalogs can also be picked up at Florida State University's Center for Professional Development or from the student's academic dean.

Transfer Credit

Transfer Credit. The University accepts transfer credit from all regionally accredited institutions (or comparable international institutions) for coursework with grades of "D-" or better. All grades for credits earned at other institutions are entered exactly as earned on a student's Florida State University permanent record at the time of transfer. Such grades are averaged separately from grades earned at Florida State.

Vocational, Technical, or Below College-Level Credit. No credit is allowed for vocational, technical, or below college-level coursework. However, a student's academic dean may allow credit for up to six hours of vocational or technical credit upon appeal.

Experiential Credit. The University does not award credit for experiential learning, or accept transfer credit based on experiential learning from another institution.

International Credit. An official course-by-course evaluation is required for all academic records from non-U.S. institutions. We recommend the evaluation be done by a member of the National Association of Credential Evaluation Services or the International Education Credential Services provided by the American Association of Collegiate Registrars and Admissions Officers.

Florida Statewide Common Course Numbering System (SCNS). The state of Florida utilizes a common course numbering system to facilitate the transfer of credit for equivalent courses among the state's colleges and universities. SCNS is now used at all public and selected nonpublic institutions of higher education in Florida.

Courses that have the same academic content and are taught by faculty with comparable credentials are given the same prefix and last three numerical digits, and are considered equivalent courses; thus, THE 1234 taken at one institution is equivalent to THE 3234 at another institution. Equivalent courses are guaranteed to transfer to any other institution participating in SCNS.

Florida Statewide Articulation Agreement. The state of Florida guarantees Associate in Arts (AA) degree recipients from Florida public institutions acceptance of at least sixty semester hours of college credit toward the baccalaureate degree with no additional general education core requirements.

Military Credit. Students who are or were eligible members of the United States Armed Forces may earn college credit based upon military experience, training, and coursework acquired while in the military. Academic credit will only be awarded if recognized by the American Council on Education (ACE) in the *Guide to the Evaluation of Education Experiences in the Armed Services*. ACE recommendations for vocational or technical credit are not accepted as transfer credit.

Credits earned will be evaluated after the application review process has been completed and admission to the University has been granted. The Evaluation Section of the Office of Admissions will post all credit earned for military experience, training, and coursework to the student's permanent record as recommended in the ACE *Guide*.

Graduate Credit. Coursework not counted towards a previous degree from another regionally accredited graduate school (or comparable international institution) is limited to six semester hours, and transfer of coursework not counted towards a previous degree within Florida State University is limited to twelve semester hours, except when the departmental course requirements exceed the thirty-two hour University-wide minimum requirement. In the latter

case, additional transfer credit may be allowed to the extent of the additional required hours. In all cases, the majority of credit must be earned through Florida State University or its official consortia institutions.

The Transfer Credit Process. Students who have taken college-level coursework are required to submit official transcripts from all institutions attended. Transfer credit will be evaluated and applied towards a student's academic program in one of three ways: 1) applied as a major/minor requirement replacing the equivalent required or optional course taught by the University; 2) applied as a general core requirement replacing the equivalent required or optional course taught by the University; or 3) applied as a general elective that may or may not satisfy degree requirements.

At the undergraduate level, credit is first evaluated by the Office of Admissions to determine if the institution is regionally accredited (or comparable accreditation at international institutions), and if the credit is college level, vocational, or technical. Vocational or technical credit is not normally accepted for transfer; however, the baccalaureate dean may approve up to six semester hours of technical or vocational credit on appeal. The credit is then evaluated by the Office of Undergraduate Studies to determine if it is applicable to liberal studies (general education) requirements. Upper-level or graduate-level courses are evaluated by the student's chosen major department to determine degree applicability for major/minor requirements. During the review by the Office of Undergraduate Studies or the Upper-Level Department, the individual course prefix, number, description, host institution catalog, syllabus, and other supporting documentation are reviewed to determine if the course is logically and qualitatively equivalent to a Florida State course. All college-level coursework that is not applicable to liberal studies or major/minor requirements will be designated as general elective credit.

At the graduate level, all transfer credit must: 1) be recommended by the major department; 2) be evaluated as graduate work by the Evaluation Section of the Office of Admissions of Florida State University; and 3) have been completed with grades of 3.0 ("B") or better.

Grievance Process. Students who allege that transfer credit was improperly evaluated and applied may have their grievances addressed through the Director of Admissions for initial posting of general elective credit, the academic dean of their selected major for major coursework and degree program requirements, and the dean of Undergraduate Studies for liberal studies equivalency. If no resolution is reached, the student may file a grievance with the University. The University grievance policy is outlined in the "Academic Integrity and Grievances" chapter of this *General Bulletin*.

Credit for Nontraditional Courses, Including Short Courses

Nontraditional courses have many different purposes, including the certification of persons for various subject matters and professional specialties. Short courses for credit shall have the same number of contact hours as do regularly scheduled courses; i.e., a one-hour course must have fifteen total contact hours; a two-hour course must have thirty total contact hours; a three-hour course must have forty-five total contact hours. Alternatively, other nontraditional courses/settings must have an appropriate substitute(s) for the above contact hours, e.g., distance learning might include student/teacher interaction, student interaction with professor-designed materials, or other appropriate interactions. In no case can credit be given with less student participation than the above hours stipulate. Any alternative course(s) must document equivalency with traditional course(s) when such traditional courses exist.

Courses that follow nontraditional scheduling patterns, such as running over from one term to the next, may be scheduled through the Center for Professional Development and Public Service or through the Office of the University Registrar. Course hours must be scheduled in keeping with the above policy on credit for nontraditional courses, including short courses, adopted by the Faculty Senate.

Programs for Acceleration

Florida State University has established several avenues that permit a reduction in the normal amount of time required to complete the requirements for a baccalaureate degree.

Dual Enrollment

Students who are enrolled in college coursework prior to graduation from high school may be awarded college credit at Florida State University. Refer to the 'Transfer Credit' section of this chapter for specific information concerning what may transfer.

Credit by Examination

The University recognizes the following examination programs for which students may receive academic credit or exemption in lieu of coursework. These programs permit the qualified student to earn by examination up to thirty semester hours of credit toward liberal studies requirements and up to forty-five semester hours of credit toward total baccalaureate degree requirements.

Students earning credit by examination must still satisfy departmental major and/or minor requirements, the University's coursework requirement of forty-five semester hours in courses numbered 3000 and above, and the Section 1007.25, Florida Statutes, writing requirement (see the "Undergraduate Degree Requirements" chapter of this *General Bulletin*).

Credit toward the baccalaureate degree will not be granted for courses taken that are judged equivalent to credit already earned through one of the examination programs and vice versa. In addition, duplicate credit by examination will not be awarded.

A course may not be dropped in anticipation of receiving examination credit. The successful score must be in hand at the time the request is made to drop an equivalent course.

Credit earned by examination may be declined. Students must notify the Office of Admissions of this intention as soon as possible after successful scores have been received.

In accordance with the articulation agreement, students who have earned CLEP credit in partial fulfillment of the requirements for the AA degree from a Florida public institution will be awarded credit on the basis of their presentation of the AA degree. An individual evaluation will not be made.

Transfer students who have completed a general education program at a Florida public institution and whose transcript is so marked will be considered to have completed the Liberal Studies Program at Florida State University. A second evaluation of CLEP credits in the liberal studies areas will not be made.

Advanced International Certificate of Education (AICE)

Students who have completed AICE examinations should submit their official score reports to Florida State University. Refer to the AICE Table at the end of this chapter for college course equivalents and credits earned.

Advanced Placement (AP)

Students who have participated in the AP Program in high school and received a score of three or better on the national examinations will receive college credit in the appropriate subject areas. Refer to the AP Table at the end of this chapter for college course equivalents and credits earned.

International Baccalaureate (IB)

Students in an IB Program will receive up to forty-five semester hours of credit for scores of four or higher on both higher-level and standard-level examinations. Refer to the IB Table at the end of this chapter for college course equivalents and credits earned.

College-Level Examination Program (CLEP)

Florida State University grants credit in lieu of coursework for the CLEP subject matter examinations. Credits are awarded to any regularly admitted, degree-seeking undergraduate student who scores at or above the 50th percentile level of the sophomore norms on the CLEP examinations. Students receive appropriate credit, provided they have not attempted credit, or received credit, at the college level in the subject area or received credit in the subject area through AICE, AP, or IB. Academic deans shall have the authority to make exceptions concerning examinations that may fall within a subject area for which a student has existing credit. Students must have the permission of the academic dean to take a CLEP exam for any mathematics course or English composition course.

At Florida State University, CLEP examinations are administered through the Office of Evaluation Services, an open test center for CLEP. Eligibility to receive CLEP credit at Florida State will be verified by the Office of Admissions.

English Credit through SAT/ACT

Students who score 650 or higher on the verbal/critical reading portion of the SAT or 29 or higher on the English portion of the ACT will be granted three semester hours of credit equivalent to ENC 1101.

Note: University policy subject to change for SAT with the introduction of the writing subscore.

Mathematics Credit through SAT/ACT

Students who score 680 or higher on the mathematics portion of the SAT or 30 or higher on the mathematics portion of the ACT will be granted three semester hours of credit equivalent to MAC 1105.

Departmental Examinations

Departments and programs of the University may offer examinations for academic credit in lieu of coursework to undergraduate students upon request. Interested students should consult with their colleges or departments concerning the availability of examinations in lieu of specific courses.

General Credit Limitations

Courses taken by correspondence through the state of Florida, Board of Governors approved off-campus courses, and/or courses evaluated and recommended as suitable for credit by the American Council on Education (ACE) may be accepted by the University. The number of hours of such courses acceptable in any individual case is at the discretion of the academic dean. The total number of such courses accepted cannot exceed thirty semester hours.

An undergraduate student may be granted a baccalaureate degree under degree requirements specified in the *General Bulletin* at the time of admission, insofar as course offerings will permit, provided the student graduates within a period of six years from date of first entry to the University. If a student exceeds six years in pursuit of the baccalaureate degree, the University may specify that the degree requirements of the most current *General Bulletin* will apply. A student may elect instead to meet the degree requirements specified in any subsequent *General Bulletin* covering a period of the student's enrollment.

Up to six semester hours of cooperative education credits will be accepted provided they are certified as academic credits by the sending institution.

When credits are more than ten years old they are subject to reevaluation by the appropriate dean before they can be applied toward graduation.

Degree-Seeking Status at Two Separate Institutions

Under certain circumstances students may wish to pursue degrees at Florida State University and another institution simultaneously. In all cases students in this situation must consult their Florida State University academic adviser and academic dean to request approval in advance. If approval is granted, students may enroll at Florida State University and another institution under the following conditions:

1. Students are responsible for complying with all rules, regulations, and policies of both institutions, including but not limited to: admission standards; academic rules; residency; fees; graduation requirements; university, college and departmental deadlines; and student codes of conduct. Florida State University is under no obligation to waive or otherwise modify any policies, requirements, or deadlines to facilitate the student's enrollment at another institution.
2. Enrollment certification and degree verification issued by Florida State University will be based solely on current registration hours with Florida State University and any awards, honors, or degrees posted by Florida State University. The University will not combine enrollment or degree verification with another institution.
3. Students receiving financial aid must designate one institution as the primary institution for financial distribution. The primary institution will be responsible for monitoring awards and delivery of aid. Florida State University will not combine enrollment hours with another institution for financial aid purposes.
4. Students who are planning to transfer courses to Florida State University should seek advising in advance of doing so. The University limits the number of transfer hours a student may bring in depending on the type of degree and program. Hours used to satisfy a previous degree, either at Florida State or another institution, cannot be counted toward the current degree the student is pursuing.

Note: Different conditions, rules, and policies may apply in the event that Florida State University has an approved consortial or cooperative agreement with the second institution. Students should be aware that approval by Florida State University to pursue degrees at Florida State and another institution in no way binds the other institution to a similar approval. Students are encouraged to consult with the second institution about its policies before enrolling in any courses.

Official E-mail Accounts for All Students at Florida State University

The official method of communication at Florida State University is your FSU e-mail account. In order to stay informed and aware, you are required

to set up and maintain your account and check it three times per week. If you choose to have your official FSU account forwarded to another e-mail account, you are still held responsible for all information distributed by the University to your FSU account.

Florida State University's Information Technology Services now offers new communication and online collaboration services for students and alumni, which includes:

- A free 10GB lifetime @my.fsu.edu e-mail account
- Up to 25GB of free cloud-based file storage
- Free online computer backup/synchronization utilities
- Free online collaboration tools
- Online MS Office Web Applications
- Mobile access to FSU e-mail and more...

The myFSU service, which is funded in part by the University's Student Technology Fee, replaced the University's former e-mail system (@fsu.edu) for all students and alumni at the end of Fall 2011. Students and alumni should go to <http://fsu.edu/myfsu> to confirm their settings.

Questions regarding the activation of myFSU accounts can be answered by calling 644-HELP (4357) or visiting <http://www.helpdesk.fsu.edu>.

Student Addresses

Students are required to maintain their current local and permanent addresses with the university. Address updates may be done online at <http://my.fsu.edu> or in person at the Office of the University Registrar, 3900 University Center A.

AICE SCORES AND UNIVERSITY COURSE EQUIVALENTS+

(Numbers in parentheses indicate the number of credits awarded)

AICE Exam	Level	A, B, C, D, E
ACCOUNTING	AS-Level	ACG 1001 (3)
	A-Level	ACG 1001 (3) ACG 1004 (3)
ART AND DESIGN	AS-Level	ART 1300C (3)
	A-Level	ART 1300C (3) ART 1201C (3)
BIOLOGY	AS-Level	BSC 1005 (3) BSC 1005L (1)
	A-Level	BSC 2010 (3) BSC 2010L (1) BSC 2011 (3)
BUSINESS STUDIES	AS-Level	GEB 1011 (3)
	A-Level	GEB 1011 (3) GEB 1012 (3)
CHEMISTRY	AS-Level	CHM 1020 (3) CHM 1020L (1)
	A-Level	CHM 1020 (3) CHM 1020L (1) CHM 1045 (3) CHM 1045L (1)
CLASSICAL STUDIES	AS-Level	CLA 2010 (3)
COMPUTING	AS-Level	CGS 2060 (3)
	A-Level	CGS 2060 (3) CGS 1074 (3)
DESIGN AND TECHNOLOGY	AS-Level	ETI 1482C (3)
	A-Level	ETI 1482C (3) ETI 1930 (3)
ECONOMICS	AS-Level	ECO 2000 (3)
	A-Level	ECO 2013 (3) ECO 2023 (3)
ENGLISH - LANGUAGE OR LANGUAGE & LITERATURE	AS-Level	ENC 1101 (3)
ENGLISH - LITERATURE IN ENGLISH	AS-Level	ENC 1101 (3) or ENC 1102 (3)*
	A-Level	ENC 1101 (3) and ENC 1102 (3)* or ENC 1102 (3) and LIT 1005 (3)*
ENVIRONMENTAL MANAGEMENT	AS-Level	EVR 1001C (4)
GENERAL PAPER	AS-Level	IDS 1110 (3)
GEOGRAPHY	AS-Level	GEA 1000 (3)
	A-Level	GEO 2200 (3) GEO 1400 (3)
HISTORY - AMERICAN	AS-Level	AMH 1000 (3)
	A-Level	AMH 2010 (3) AMH 2020 (3)
HISTORY - EUROPEAN	AS-Level	EUH 1009 (3)
	A-Level	EUH 2000 (3) EUH 2001 (3)
HISTORY - INTERNATIONAL	AS-Level	WOH 1030 (3)
	A-Level	WOH 1023 (3) WOH 1030 (3)
HISTORY - ALL OTHER AREAS	AS-Level	Subject to institutional review (3)
	A-Level	Subject to institutional review (6)
LATIN	AS-Level	LAT 1120 (4) LAT 1121 (4)
MARINE SCIENCE	AS-Level	OCE 1001 (3)
	A-Level	OCE 1001 (3) OCB 1000 (3)
MATHEMATICS	AS-Level	MAC 1140 (3) MAC 1114 (2)
	A-Level	MAC 1114 (2) MAC 2311 (4)
MATHEMATICS, FURTHER	A-Level	MAC 2311 (4) MAC 2312 (4)
MUSIC	AS-Level	MUH 1001 (3)
	A-Level	MUH 1001 (3) MUH 2012 (3)
PHYSICS	AS-Level	PHY 1020 (3) PHY 1020L (1)
	A-Level	PHY 2053C (4) PHY 2054C (4)
PSYCHOLOGY	AS-Level	PSY 2012 (3)
	A-Level	PSY 2012 (3) PSY 4930 (3)
SOCIOLOGY	AS-Level	no credit
	A-Level	SYG 1000 (3)
THINKING SKILLS	AS-Level	PHI 1103 (3)
	A-Level	PHI 1103 (3) PHI 2100 (3)
TRAVEL AND TOURISM	AS-Level	HFT 3000 (3)
	A-Level	HFT 3000 (3) HFT 3931 (3)
FOREIGN LANGUAGE		
FRENCH LANGUAGE	AS-Level only	FRE 1120 (4) FRE 1121 (4)
FRENCH LITERATURE	AS-Level only	FRW 3100 (3)
FRENCH	A-Level	FRE 2211 (4) FRE 2220 (4)
GERMAN LANGUAGE	AS-Level only	GER 1120 (4) GER 1121 (4)
GERMAN	A-Level	GER 2220 (4) GER 2221 (4)
SPANISH LANGUAGE	AS-Level only	SPN 1120 (4) SPN 1121 (4)
SPANISH LITERATURE	AS-Level only	SPW 3030 (3)
SPANISH	A-Level	SPN 2220 (4) SPN 2240 (3)
FOREIGN LANGUAGE, LITERATURE - ALL OTHER AREAS	AS-Level	Subject to institutional review (3-8)
	A-Level	Subject to institutional review (6-8)

* Subject to change. Recent legislation calls for an annual review of acceleration to determine the appropriate examination scores and course equivalents for which credit is to be granted.

* Based on previous credit earned.

AP SCORES AND UNIVERSITY COURSE EQUIVALENTS⁺

(Numbers in parentheses indicate the number of credits awarded)

AP Exam	3	4	5
ART HISTORY	ARH 2000 (3)	ARH 3056 (3) ARH 3057 (3)	Same as 4
BIOLOGY	BSC 1005 (3) BSC 1005L (1)	BSC 2010 (3) BSC 2010L (1)	BSC 2010 (3) BSC 2010L (1) BSC 2011 (3) BSC 2011L (1)
CALCULUS - AB	MAC 2311 (4)	Same as 3	Same as 3
CALCULUS - BC	MAC 2311 (4)	MAC 2311 (4) MAC 2312 (4)	Same as 4
CALCULUS - AB SUBSCORE	MAC 2311 (4)	Same as 3	Same as 3
CHEMISTRY	CHM 1020 (3) CHM 1020L (1)	CHM 1045 (3) CHM 1045L (1)	CHM 1045 (3) CHM 1045L (1) CHM 1046 (3) CHM 1046L (2)
CHINESE LANGUAGE & CULTURE	CHI 2220 (4)	CHI 2220 (4) CHI 2300 (4)	Same as 4
COMPUTER SCIENCE A	CGS 2060 (3)	Same as 3	Same as 3
COMPUTER SCIENCE AB	CGS 2060 (3) or CGS 1076 (3)*	Same as 3	Same as 3
ECONOMICS - MACRO	ECO 2013 (3)	Same as 3	Same as 3
ECONOMICS - MICRO	ECO 2023 (3)	Same as 3	Same as 3
ENGLISH - LANGUAGE	ENC 1101 (3)	ENC 1101 (3) ENC 1102 (3)	Same as 4
ENGLISH - LITERATURE	ENC 1101 (3) or LIT 1005 (3)*	ENC 1101 (3) and ENC 1102 (3) or ENC 1102 (3) and LIT 1005 (3)*	Same as 4
ENVIRONMENTAL SCIENCE	GEO 1330 (3)	Same as 3	Same as 3
FRENCH - LANGUAGE	FRE 2211 (4)	FRE 2211 (4) FRE 2220 (4)	Same as 4
FRENCH - LITERATURE	FRW 3100 (3)	FRW 3100 (3) FRW 3101 (3)	Same as 4
GERMAN - LANGUAGE	GER 2220 (4)	GER 2220 (4) GER 2221 (3)	Same as 4
GOVERNMENT & POLITICS: COMPARATIVE	CPO 2002 (3)	Same as 3	Same as 3
GOVERNMENT & POLITICS: UNITED STATES	POS 1041 (3)	Same as 3	Same as 3
HISTORY - EUROPEAN	EUH 1009 (3)	EUH 2000 (3) EUH 2001 (3)	Same as 4
HISTORY - UNITED STATES	AMH 1000 (3)	AMH 2010 (3) AMH 2020 (3)	Same as 4
HISTORY - WORLD	WOH 1023 (3)	Same as 3	WOH 1023 (3) WOH 1030 (3)
HUMAN GEOGRAPHY	GEO 1400 (3)	Same as 3	Same as 3
ITALIAN LANGUAGE & CULTURE	ITA 2220 (4)	ITA 2220 (4) ITA 2240 (3)	Same as 4
JAPANESE LANGUAGE & CULTURE	JPN 2220 (4)	JPN 2220 (4) JPN 2300 (4)	Same as 4
LATIN LITERATURE	LAT 2220 (4) or LNW 1700 (3)*	Same as 3	Same as 3
LATIN	LAT 2220 (4)	Same as 3	Same as 3
MUSIC THEORY (if composite score is 3 or higher)	MUT 1001 (3)	Same as 3	Same as 3
MUSIC THEORY (if both aural and non-aural subscores are 3 or higher)	MUT 1111 (3) MUT 1241 (1)	Same as 3	Same as 3
PHYSICS B	PHY 2053C (4)	PHY 2053C (4) PHY 2054C (4)	Same as 4
PHYSICS C - ELECTRICITY & MAGNETISM	PHY 2054C (4)	PHY 2049C (5)	Same as 4
PHYSICS C - MECHANICS	PHY 2053C (4)	PHY 2048C (5)	Same as 4
PSYCHOLOGY	PSY 2012 (3)	Same as 3	Same as 3
RUSSIAN LANGUAGE & CULTURE	RUS 2220 (4)	RUS 2220 (4) RUS 2330 (3)	Same as 4
SPANISH - LANGUAGE	SPN 2220 (4)	SPN 2220 (4) SPN 2240 (3)	Same as 4
SPANISH - LITERATURE	SPW 3030 (3)	SPW 3030 (3) SPW 3930 (3)	Same as 4
STATISTICS	STA 2023 (3)	Same as 3	Same as 3
STUDIO ART - DRAWING	ART 1300C (3)	Same as 3	Same as 3
STUDIO ART: 2-D	ART 1201C (3)	Same as 3	Same as 3
STUDIO ART: 3-D	ART 2203C (3)	Same as 3	Same as 3

⁺ Subject to change. Recent legislation calls for an annual review of acceleration to determine the appropriate examination scores and course equivalents for which credit is to be granted.

* Based on previous credit earned.

IB SCORES AND UNIVERSITY COURSE EQUIVALENTS+

(Numbers in parentheses indicate the number of credits awarded)

IB Exam	4	5	6-7
BIOLOGY	BSC 1005 (3) BSC 1005L (1)	BSC 1005 (3) BSC 1005L (1) BSC 2010 (3) BSC 2010L (1)	Same as 5
BUSINESS AND MANAGEMENT	GEB 1011 (3)	GEB 1011 (3) GEB 1012 (3)	Same as 5
CHEMISTRY	CHM 1020 (3) CHM 1020L (1)	CHM 1020 (3) CHM 1020L (1) CHM 1045 (3) CHM 1045L (1)	Same as 5
COMPUTER SCIENCE	CGS 2060 (3)	CGS 2060 (3) CGS 1074 (3)	Same as 5
DESIGN TECHNOLOGY	ETI 1410 (3)	ETI 1410 (3) ETI 1930 (3)	Same as 5
ECONOMICS	ECO 2000 (3)	ECO 2013 (3) ECO 2023 (3)	Same as 5
ECOSYSTEMS AND SOCIETIES	GEO 1330 (3) or EVR 1017 (3)*	GEO 1330 (3) or EVR 1017 (3) and EVR 1018 (3)*	Same as 5
ENGLISH A1	ENC 1101 (3)	ENC 1101 (3) ENC 1102 (3)	Same as 5
ENVIRONMENTAL SYSTEMS	GEO 1330 (3)	GEO 1330 (3) ISC 1050 (3)	Same as 5
FILM STUDIES	FIL 2001 (3)	FIL 2001 (3) FIL 2002 (3)	Same as 5
FRENCH	FRE 1121 (4)	FRE 1121 (4) FRE 2220 (4)	Same as 5
FRENCH A1 or A2	FRW 3100 (3)	FRW 3100 (3) FRW 3101 (3)	Same as 5
GEOGRAPHY	GEA 1000 (3)	GEO 1400 (3) GEO 2200 (3)	Same as 5
GERMAN	GER 1121 (4)	GER 1121 (4) GER 2220 (4)	Same as 5
GERMAN A1 or A2	GEW 4900 (3)	GEW 4900 (6)	Same as 5
HISTORY - ALL REGIONS	WOH 1030 (3)	WOH 1030 (3) WOH 1023 (3)	Same as 5
HISTORY - AFRICA	WOH 1030 (3)	WOH 1030 (3) AFH 1000 (3)	Same as 5
HISTORY - AMERICAS	WOH 1030 (3)	WOH 1030 (3) AMH 1000 (3)	Same as 5
HISTORY - EAST & SOUTHEAST ASIA	WOH 1030 (3)	WOH 1030 (3) ASH 3100 (3)	Same as 5
HISTORY - EUROPE	WOH 1030 (3)	WOH 1030 (3) WOH 1023 (3)	Same as 5
HISTORY - WEST & SOUTH ASIA	WOH 1030 (3)	WOH 1030 (3) ASH 1044 (3)	Same as 5
INFORMATION AND TECHNOLOGY FOR A GLOBAL SOCIETY	Elective Credit (3)	Elective Credit (6)	Same as 5
ISLAMIC HISTORY	ASH 1044 (3)	ASH 1044 (3) REL 3363 (3)	Same as 5
LATIN	LAT 1121 (4)	LAT 1121 (4) LAT 2220 (4)	Same as 5
MATHEMATICS	MAC 1147 (5)	MAC 1147 (5) MAC 2233 (3)	MAC 1147 (5) MAC 2311 (4)
MATHEMATICS - FURTHER (Advanced)	MHF 1202 (3)	MHF 1202 (3) MHF 1209 (3)	Same as 5
MATHEMATICS - METHODS	MAC 1105 (3)	MAC 1105 (3) MAC 1140 (3)	MAC 1140 (3) MAC 2233 (3)
MATHEMATICS - STUDIES	MAT 1033 (3)	MAT 1033 (3) MGF 1106 (3)	Same as 5
MUSIC	MUL 1010 (3)	MUL 1010 (3) MUT 1011 (3)	Same as 5
PHILOSOPHY	PHI 2010 (3)	PHI 2010 (3) PHI 2630 (3)	Same as 5
PHYSICS	PHY 1020 (3) PHY 1020L (1)	PHY 2053C (4) PHY 2054C (4)	Same as 5
PSYCHOLOGY	PSY 2012 (3)	PSY 2012 (3) PSY 4930r (3)	Same as 5
RUSSIAN	RUS 1121 (4)	RUS 1121 (4) RUS 2220 (4)	Same as 5
RUSSIAN A1 or A2	RUW 3100 (3)	RUW 3100 (3) RUW 3101 (3)	Same as 5
SOCIAL ANTHROPOLOGY	ANT 2410 (3)	ANT 2410 (3) ANT 4930r (3)	Same as 5
SPANISH	SPN 1121 (4)	SPN 1121 (4) SPN 2220 (4)	Same as 5
SPANISH A1 or A2	SPW 3030 (3)	SPW 3030 (3) SPW 3930 (3)	Same as 5
THEATRE ARTS	THE 2000 (3)	THE 2000 (3) THE 3931r (3)	Same as 5
VISUAL ARTS (Design)	ART 2003C (3)	ART 2003C (3) ART 1201C (3)	Same as 5

Credit may be awarded for other exams based on content and score.

+ Subject to change. Recent legislation calls for an annual review of acceleration to determine the appropriate examination scores and course equivalents for which credit is to be granted.

*Based on previous credit earned.

CLEP SCORES AND UNIVERSITY COURSE EQUIVALENTS⁺

CLEP Exam	Course	Minimum Score
Algebra, College	MAC 1105 (3)	50
American Government	POS 1041 (3)	50
American Literature	AML 1000 (3)	50
Biology, General	BSC 1005 (3)	50
Business Law, Introduction to	BUL 2241 (3)	50
Calculus with Elementary Functions	MAC 2233 (3)	50
Chemistry, General	CHM 1020 (3)	50
College Composition (includes essay)	ENC 1101 (3) ENC 1102 (3)	50
College Composition Modular	No credit	
Educational Psychology, Introduction to	EDP 1002 (3)	50
English Literature	ENL 1000 (3)	50
Financial Accounting	ACG 1001 (3)	50
History of the US to 1877	AMH 2010 (3)	50
History of the US from 1865	AMH 2020 (3)	50
Humanities	HUM 2235 (3)	50
Human Growth & Development	DEP 2004 (3)	50
Information Systems & Computer Applications	CGS 2060 (3)	50
Macroeconomics, Principles of	ECO 2013 (3)	50
Management, Principles of	MAN 2021 (3)	50
Marketing, Principles of	MAR 2011 (3)	50
Mathematics, College	MGF 1106 (3)	50
Microeconomics, Principles of	ECO 2023 (3)	50
PreCalculus	MAC 1147 (5)	50
Psychology, Introductory	PSY 2012 (3)	50
Sociology, Introductory	SYG 1000 (3)	50
Western Civilization I to 1648	EUH 2000 (3)	50
Western Civilization II from 1648	EUH 2001 (3)	50

(Numbers in parentheses indicate the number of credits awarded)

Foreign language exams, CLEP Test taken after July 26, 2007:	Level 1 (current level in brackets)	Level 2 (current level in brackets)	Level 3 (current level in brackets)
French	[50] FRE 1120 (4)	[59] ¹ FRE 1120 (4) FRE 1121 (4)	[66] FRE 1120 (4) FRE 1121 (4) FRE 2992 (4)
German	[50] GER 1120 (4)	[60] ² GER 1120 (4) GER 1121 (4)	[66] GER 1120 (4) GER 1121 (4) GER 2992 (4)
Spanish	[50] SPN 1120 (4)	[63] SPN 1120 (4) SPN 1121 (4)	[68] SPN 1120 (4) SPN 1121 (4) SPN 2992 (4)

⁺ Subject to change. Recent legislation calls for an annual review of acceleration to determine the appropriate examination scores and course equivalents for which credit is to be granted.

¹ Effective December 2007

² Effective August 2008

UNIVERSITY HONORS OFFICE AND HONOR SOCIETIES

Florida State University has a long history of providing recognition and support for outstanding students, beginning with a directive from a faculty committee in 1932. The program's purpose, as described in a report to the President and the Faculty Senate, was "to provide enlarged opportunities for... students; to give them a challenge and an incentive; to develop initiative, resourcefulness and self-reliance; to present knowledge in terms of fields, not courses." (Report on Honors Work, FSU Archives, 12/21/32)

Over the years, the scope and focus of honors work at Florida State University has evolved to address the changing needs of those students who demonstrate high academic achievement. The information below provides an overview of the opportunities available to students who choose to participate in the University Honors Program.

University Honors Office

Director: James Mathes; **Associate Director:** Margaret R. Allen; **Assistant Directors:** Jeffrey Badger, Shelby J. Huffman

The University Honors Office supports the University's long tradition of academic excellence by offering two programs, the University Honors Program and the Honors in the Major Program, which highlight the institution's strengths in teaching, research, and community service. Please visit <http://honors.fsu.edu> for more information.

University Honors Program

The University Honors Program is designed for students who are entering full-time college studies for the first time. The program is intended to help the University's most talented students develop into excellent scholars, leaders in their communities, and innovators in their professions. To do this, the program encourages students to take advantage of the special opportunities available at Florida State University because of its status as a major research university and its role in the community. Students who pursue honors credit through courses and honors-level project work that focuses on research, creative activity, or community service may earn the Honors Medallion. A student receives the medallion when she or he accumulates eighteen semester hours in honors courses and approved honors project activities (some non-credit activities may be substituted with the approval of the Director of the University Honors Office) or by completing an Honors Thesis for an *Honors in the Major*. The medallion may be worn during the University's commencement exercises. In addition, this achievement is noted on the student's transcript.

Honors Courses. Honors courses, with their small class sizes, allow students to build relationships with faculty members who can become mentors and research advisers. Honors courses are divided into two categories, honors sections of regular courses and honors seminars. Honors sections of regular courses fulfill liberal studies or University requirements, as do all honors seminars. Honors sections of regular courses are usually limited to twenty-five students each. Honors seminars are three semester hour special topics courses that count toward graduation and fulfill liberal studies and writing requirements in the humanities (HUM 2937r), natural sciences (ISC 2937r), or social sciences (ISS 2937r). Seminars are typically limited to fifteen honors students.

University Honors Colloquium. The University Honors Colloquium is required for honors students during their first year in the Honors Program at Florida State University. This one credit weekly forum features lectures by distinguished University faculty from across the scholarly and creative arts spectrum, as well as informative presentations from directors of academic programs that will be of interest to honors students. The Colloquium provides a common intellectual experience for new honors students and introduces students to the culture and opportunities of a modern research university.

Honors-Augmented Courses. In some cases where regular honors sections of courses cannot be made available, the faculty agrees to offer honors-augmented courses. These are regular courses open to all students in which the professor has agreed to engage in special projects with honors students for honors credit. Honors-augmented courses are arranged in advance by the University Honors Office.

Individual Honors-Augmented Courses. The Individual Honors-Augmented Course Contract gives honor students additional opportunities to enrich course requirements in their majors and earn honors credits towards the Honors Medallion. Honor students may earn up to six individual honors-augmented credit hours in upper-division (3000-4000 level), non-honors courses in their major by contracting with faculty to complete additional work in the courses. To earn individual honors-augmented credit, the honor student and faculty member must complete a contract within the first two weeks of the semester.

Graduate Classes. Honors students may elect to take graduate classes for up to six credit hours that can count toward the Honors Medallion. Graduate courses that are basic competency/review classes (e.g. a language-reading course) are excluded. The course must be taken for a grade; P/F and S/U courses will not count.

Honors DIS. Honors students may earn credit hours by registering to work with individual faculty. To learn more about this opportunity, visit http://honors.fsu.edu/Gfx/WHAT_IS_A_DIS.pdf and to access Honors DIS application guidelines, visit http://honors.fsu.edu/Gfx/Honors_DIS_Application.pdf. The application is a "fillable" PDF; please type all information, print, and submit signed application to the University Honors Office (UCA 3600). **Deadline:** the DIS application is due no later than the **fourth** day of classes of the semester for which the student will register for Honors DIS credit.

Earning the Honors Medallion. There are two ways of earning an Honors Medallion: 1) by completing eighteen honors points, which are typically honors credit hours earned through coursework, to become an *Honors Finisher*, or 2) by completing an *Honors in the Major*, both of which are described below. These distinctions are noted on your transcript and during the semester you graduate, you are given an Honors Medallion at a special ceremony. The medallion may be worn during commencement exercises.

Honors Finisher: Students who are considered to have finished the Honors program have the phrase "*Completed Requirements of Liberal Studies Honors Program*" noted on their transcripts. To become an *Honors Finisher* and have this distinction on your transcript, students must earn eighteen honors points, which are usually honors credits earned through coursework. These eighteen honors points must include a minimum of nine semester hours of honors coursework (honors sections of regular courses, honors seminars, the honors colloquium, honors-augmented courses). The remainder of the eighteen honors points can be earned through any combination of further honors coursework including honors Directed Individual Study (DIS), graduate classes, Honors in the Major work (also known as honors thesis), and the achievements listed below.

Three of the eighteen honor points for the Honors Medallion may be earned by the achievements listed below; each will be awarded one honors point. An achievement may be duplicated for an additional point but the limit is three points. For example, if a student gave two different conference presentations and completed thirty hours of HSA service and a certificate with honors, they would receive three, not four points.

- A certificate program with Honors
- A conference presentation
- Completing a Garnet and Gold Scholar Society program that includes Research as one of its components
- Thirty hours of service as noted on a student's ServScript

To count toward the Honors Medallion requirements, an honors course must be completed with a grade of "C-" or better. Honors-augmented courses will be counted toward the medallion if a grade of "B-" or better is earned and the honors-augmented project is completed satisfactorily. Students using honors thesis hours toward the medallion must earn a "B-" or better.

Honors in the Major: An Honors Medallion is also awarded to students who finish the Honors in the Major program by completing six or more credits hours of honors thesis work and successfully defending their thesis. A student who finishes eighteen credit hours of honors coursework that includes completion of the Honors in the Major (nine to twelve hours coursework plus six to nine hours of thesis) is given special recognition at the awards ceremony and has both distinctions described here noted on their transcripts.

Admission Requirements

Standard Admission. Admission into the University Honors Program is by invitation only. Decisions about admission are based on an evaluation of the entire record that a student has submitted to Florida State University during the general undergraduate admissions process, including the strength of academic curriculum. There is no separate application form for the Honors Program. Letters of invitation to the University Honors Program are sent by mail approximately two weeks after notification of general admission to the University. The average academic profile of students that were offered honors invitations in 2012 was as follows: 4.3 academic GPA; 31 ACT composite; 2060 SAT total.

Conditions of Admission: Acceptance into the Honors Program is subject to receipt of student's written response to the Honors invitation by the stated deadlines, successful senior year performance, and high school graduation.

Admission by Petition. Students who are accepted to Florida State University as freshman but do not receive a letter of invitation may petition for admission to the Honors Program by submitting a petition portfolio. When available, the petition portfolio requirements are posted at <http://honors.fsu.edu/admissions.html>. The academic profile of the middle 50th percent of the petition applicants that were offered honors invitations in 2011 was: 4.0-4.325 academic GPA; 28-30 ACT composite; 1920-1975 SAT total.

Conditions of Admission: Acceptance into the Honors Program is subject to receipt of student's written response to the Honors invitation by the stated deadlines, successful senior year performance, and high school graduation.

Lateral Admission. Any incoming freshman student who was not admitted to the Honors Program through the standard admission process or by submitting a petition portfolio has the opportunity to apply for lateral admission. When available, the lateral admission application is posted at <http://honors.fsu.edu/admissions.html>. First time in college freshmen may apply for lateral admission during their first Fall semester at Florida State University. Students offered lateral admissions to the University Honors Program join the program the Spring semester following their first Fall semester. Students will be evaluated on the basis of their FSU cumulative and term GPAs, college coursework, and expressed interest in the Honors Program as reflected in the application. Typically, students offered lateral admission enroll in at least twelve graded credit hours and earn at least a 3.80 FSU GPA during their first Fall term.

Note: Decisions about lateral admission are made after Fall term grades are posted. Students offered lateral admission to the University Honors Program are required to attend an Orientation prior to the start of the Spring semester. Students who are admitted laterally are held to the same program requirements as students admitted by standard admission.

Retention

To remain in the University Honors Program, students must enroll in and pass the University Honors Colloquium during their first year in the University Honors Program. Incoming freshman and laterally admitted freshman are required to take HUM 2944 section 01 or section 02. In addition, to remain in the program students must maintain at least a 3.20 FSU cumulative GPA, must complete four hours of Honors credits by the end of the Spring semester of their sophomore year, and must complete at least seven hours of Honors credit by the end of the Spring semester of their junior year. Students must complete ten service hours each year for the first three years, as noted on the student's ServScript. The thirty hours of service will earn one honors point (credit) toward the Honors Medallion.

Honors Housing

The Honors Residence Complex provides an excellent environment for honors students to socialize and study together. Since many students share the same courses, both planned and spontaneous study sessions are common.

Students admitted into the University Honors Program may request housing in Landis Hall or Gilchrist Hall honors-residences; however, honors students are not required to live on campus. Students wishing to live in Landis Hall or Gilchrist Hall must submit a separate housing application listing their desired residence as their first hall preference. General residence hall assignment is determined on a first-come, first-served basis; placement is determined by the order in which housing applications are received by the Office of University Housing. Please refer to the "Housing" chapter of this *General Bulletin* for additional information concerning Landis Hall or Gilchrist Hall.

Acceptance into the University Honors Program does not guarantee University housing in Landis Hall, Gilchrist Hall, or elsewhere. Students who intend to live on campus are strongly encouraged to submit an application to University Housing as soon as possible after their admission to the University.

Honors in the Major

Many colleges and departments of Florida State University participate in the Honors in the Major Program, which is intended to encourage talented juniors and seniors to undertake significant independent and original scholarship as part of the undergraduate experience in a framework similar to that of a thesis-based master's degree program. While many students conduct traditional research, the Honors in the Major program also supports the creative endeavors of those students in majors such as Creative Writing, Dance, Film, Music, Studio Art, and Theatre.

Students who successfully complete the requirements of the program, including completion and defense of an honors thesis or creative project,

become eligible to graduate "with honors," which is noted on the transcript. Honors thesis work is carried out by the student over a period of two or three semesters in collaboration with a thesis director and two or three other faculty members who serve on the student's honors thesis supervisory committee. For more information, visit <http://honorsinthemajor.fsu.edu>.

Eligibility

Students must contact the University Honors Office in the semester before they intend to register for thesis hours in order to submit a formal application to the program. The application must show that the student has the required grades and credits, a proposed thesis topic, sufficient time prior to graduation to complete the project, a thesis director, and the approval of the chair or director of the academic department or program in which the student is majoring. Detailed information on procedures for initiating and completing the Honors in the Major Program can be found at the program Web site, <http://honorsinthemajor.fsu.edu>.

The University Honors Office requires that prospective students have at least sixty semester hours and at least a 3.20 cumulative FSU GPA. Transfer students must have a 3.20 overall FSU GPA, including all transfer work, and a 3.20 GPA on at least twelve FSU semester hours. Students should note that they may choose not to count credits that are five or more years old, as long as the most recent sixty semester hours average a 3.20 GPA. Departments retain the right to set their own specific eligibility criteria which may include, but are not limited to, cumulative and/or major course GPA higher than 3.20 and prerequisite or corequisite courses or seminars. Please contact your department's undergraduate faculty liaison for specific information.

Thesis Director and Supervisory Committee

Each student in the program works with a thesis supervisory committee comprising a thesis director and two or three other members. The members of the committee are selected by the student. Most often, the thesis director and members of the supervisory committee are tenured or tenure-track faculty members. However, a non-tenure track faculty member or other permanent member of the University's instructional or research staff can be designated thesis director or a member of the supervisory committee with the approval of the Director of the University Honors Office (a supervisory committee consisting entirely of tenure or tenure-track faculty members does not require Honors Director approval). At least two members of the supervisory committee must be tenured or tenure-track faculty members. At least one member of the supervisory committee must have a home academic department different from that of the thesis director. A "visiting scholar" who is not an employee of Florida State University can be included on the supervisory committee with the approval of the Director of the University Honors Office. Academic departments and programs may elect to have more specific criteria for the thesis director and supervisory committee.

The duties of the thesis director include:

- Directing the student's research, study, and writing
- Helping the student structure the basic conception of the thesis project
- Helping the student clarify the objectives of the thesis project
- Working with the student to discover an appropriate research or creative strategy for achieving these objectives
- Monitoring the progress of the student
- Providing specific guidance to the student regarding formal deadline
- Scheduling the defense
- Signing the forms required by the University Office
- Serving as instructor of record for the Honors in the Major course credit

The duties of the other members of the supervisory committee include:

- Providing additional viewpoints on all phases of the thesis project – conception, creation, and completion
- Contributing input on the project itself and the evaluation of the project
- Participating in the thesis defense

Completion of the Honors Thesis

Typically, each student in the program works on the thesis project for two or three semesters. A prospectus is due to the University Honors Office during the first semester of research. This brief paper states the nature of the honors thesis, its scope, and its methodology. The prospectus must be approved by all members of the supervisory committee. Further details and specific forms regarding the prospectus are available from the Honors in the Major Blackboard organization site through <http://my.fsu.edu>.

During each of these semesters, the student must enroll in one to three semester hours of thesis credit using the appropriate course number provided by the student's major department. Students must earn a total of six to nine honors thesis credits and must receive at least a "B–" in each of these courses. A student who does not have six credit hours of work graded "B–" or better will not be eligible for program completion and graduation with Honors. Students must also maintain at least a 3.20 cumulative FSU GPA until graduation. Several departments have additional requirements; students should contact the undergraduate faculty adviser in their major department in which the thesis work will be based for further information.

The student orally defends the completed honors thesis in a meeting with the supervisory committee. Following a successful defense, the student must submit the required defense forms (available from the Honors in the Major Blackboard organization site) and one electronic copy of the completed thesis to the University Honors Office no later than the official last day of classes in the defense semester. Further details and specific deadlines are available from the administrative coordinator of the Honors in the Major program or at the Honors in the Major Blackboard organization site through <http://my.fsu.edu>.

University-Recognized Honor Societies

Through the University Honors Program, Honors in the Major Program, and honor societies, the University encourages excellence in all of its students. Florida State University is the home of the first Phi Beta Kappa chapter in the state of Florida. On Honors Night, a ceremony that was first held on May 4, 1936, the University salutes students who have received institution-wide recognition for academic achievement.

Honor societies that are formally recognized by Florida State University have met the standards as set by the Undergraduate Policy Committee. Some organizations are university-wide and some are specific to individual disciplines. These societies recognize students who have excelled academically and in some cases provide opportunities for service to Florida State University and the community.

Standards for the Recognition of University-wide Honor Societies

General Standards for Recognition

- I. A society may be recognized as a Scholastic Honor Society or as a Leadership/Scholastic Honor Society.
- II. The society must be approved for recognition by a body to be appointed by the University President or his/her designee.
- III. The society must demonstrate membership participation in governance and control at both the national (if a national organization) and chapter levels.
- IV. Full financial disclosure is required at both the national (if applicable) and chapter levels.
- V. Only the institutional chapter may extend invitations to individuals for membership.
- VI. To be considered University-wide, a society must receive into membership persons from a broad range of academic disciplines.

Standards for Membership Eligibility

- I. Membership shall be conferred on the basis of character and specified scholastic, leadership, and service eligibility.
- II. Eligibility criteria here specified are minimum ones; societies may have higher standards.

Scholastic Honor Societies

Eligibility is primarily based upon scholarship.

- I. Upper-division/Graduate Societies.
 - A. Must be in the top twenty percent of their class scholastically;
 - B. Undergraduates must have earned at least sixty semester hours, with at least twenty-four graded semester hours at this institution; and
 - C. Graduate and professional students must have earned at least twenty-four graded semester hours at this institution.
- II. Lower-division Societies
 - A. Must be in the top twenty percent of their class scholastically;
 - B. Must have earned at least twelve graded semester hours at this institution.

Leadership/Scholastic Honor Societies

Eligibility is based upon scholarship, leadership, and service to campus and the community. There is no distinction made by class.

- I. Minimum overall 3.0 GPA, with at least twelve graded semester hours at this institution; and,
- II. Leadership and service to be determined by the society.

University-wide honor societies officially recognized by Florida State University are listed below, and can also be found at the Honors program Web site. The discipline-specific societies listed next are under the jurisdiction of the appropriate college, or department. For complete details of activities and membership requirements, contact the individual organizations.

Scholastic Societies

Phi Beta Kappa is a scholastic honor society for those studying the liberal arts and sciences. The society was formed in 1776 and is the oldest student honorary society in the U.S. The Florida State University chapter, chartered in 1934 and established in 1935, was the first in Florida. The FSU chapter became an RSO in 2008 and became a partner organization of FSU's Center for Leadership and Social Change in 2012. The chapter's activities include recognition of outstanding juniors and graduating seniors and sponsorship of visiting speakers of University-wide interest. In the Fall and Spring, the chapter gives the Marion Jewell Hay Award to the top graduating student member. In the Spring, student officers honor an FSU faculty member with the Phi Beta Kappa Excellence in Teaching Award. New members are automatically invited each Fall, Spring, and Summer based on major, grades (minimum 3.9 GPA for juniors and 3.65 GPA for seniors), language study, and other criteria. For information, please visit <http://pbk.fsu.edu/>, or contact Dr. Annelise Leysieffer, (850) 893-1282, aleysieffer@gmail.com.

Phi Kappa Phi recognizes academic excellence among undergraduates, graduate students, and faculty in all disciplines. The society was founded in 1897; the University chapter was chartered in 1925. The chapter recognizes outstanding student scholars and artists and recommends them for national awards. New members are automatically invited each Spring. Second-term juniors must rank in the upper seven and one-half percent of their respective colleges. Seniors must be in the upper ten percent of their respective colleges. Graduate and professional students must rank in the upper ten percent of their respective college. All students must have at least twenty-four graded semester hours at Florida State University. For information, call (850) 644-2451 or e-mail gbeaumont@fsu.edu.

Founded in 1977, **Golden Key International Honour Society** honors undergraduate and graduate academic achievements. The Florida State University chapter was chartered in 1984. The University chapter presents a yearly Outstanding Scholar Award and regularly sponsors projects in local schools and within the community. The chapter has been named Florida State University Campus Organization of the Year and has been recognized for excellence by the national organization. Every Fall, the chapter automatically invites those students with at least thirty semester hours and in the top fifteen percent of the sophomore, junior, senior, or graduate class. For information, e-mail rbukanc@fsu.edu.

Phi Eta Sigma is the oldest and largest national freshman honor society. The Society's mission is to encourage and reward academic excellence among first year students in institutions of higher learning. Each spring, invitations are sent to full-time students with a cumulative grade point average of at least 3.5 during their first year in college. Lifetime membership is conferred upon induction. Participation in chapter programs and volunteer opportunities is optional. Activities that are available exclusively to Phi Eta Sigma members include chapter leadership, workshops, tutoring, study groups, and peer advising. Selected members represent Florida State at the biannual national conference. Annually, members may apply for the Florida State chapter's \$1,000 endowed award to support undergraduate research and national scholarships of \$1,000-\$10,000. For information, e-mail PhiEtaSigma@fsu.edu.

The **National Society of Collegiate Scholars** is an honors organization that recognizes outstanding academic achievement among first and second year college students and encourages members to develop leadership skills through community service. The society was founded in 1994 at The George Washington University, and the Florida State University chapter was formed in 1995. The society offers scholarships, awards, service opportunities, and leadership programs. Every Fall the chapter invites to membership those students who rank in the 20th percentile with a minimum GPA of 3.4. For information call (850) 644-9776, or e-mail ekennelly@admin.fsu.edu.

Leadership/Scholastic Societies

The **W.E.B. Du Bois Honor Society**, established in 1991, is named for the black scholar, editor, and author of *The Souls of Black Folk*, who set high standards for educating African-Americans in the late nineteenth and twentieth centuries. The purpose of the W.E.B. Du Bois Honor Society is to honor the memory of the outstanding educator, Dr. W.E.B. Du Bois by promoting the pursuit of academic excellence in all fields of higher education, engaging the community of scholars in service to others, and recognizing the outstand-

ing achievements of the society's members. The Du Bois Society supports, guides, and encourages member involvement in other leadership and honorary organizations at Florida State University. Membership is open to all full-time undergraduate students of sound character who have achieved a 3.3 cumulative GPA at Florida State University, are in the top 20% of his/her class, and have earned at least thirty semester hours at this University. Letters of invitation will be sent to eligible students at least once each academic year. Transfer students and seniors will be considered for membership on an individual basis. For more information, contact the Undergraduate Studies Dean's Office, (850) 644-2740, or The Center for Academic Retention and Enhancement, (850) 644-9699.

Omicron Delta Kappa is the national leadership honor society for faculty and students. The society was founded in 1914 and came to Florida State University in 1950. The society recognizes achievement in scholarship; athletics; social, service, and religious activities; campus government; journalism, speech, and mass media; and creative and performing arts. Annual activities include the homecoming breakfast honoring outstanding Florida State University Grads Made Good, the faculty-staff spring mixer, and the 7:50 a.m. Breakfast Club, where faculty, staff and alumni meet with current ODK students to discuss campus issues. The Florida State University circle has been named "Circle of Distinction." Applications are sought twice a year, and members are chosen on the basis of scholarship (upper third [33%] of junior, senior, or graduate class), leadership, and service. For information, visit <http://sga.fsu.edu/organizations/odk/>, call (850) 644-3342, or e-mail osteen@fsu.edu.

Mortar Board is a national honor society that recognizes students for distinguished achievement in scholarship, leadership, and service. In 1931, the Torchbearer chapter of Mortar Board was established on the campus of FSCW, the forerunner of Florida State University. Nationally, Mortar Board was founded in 1918 and is among the most prestigious honor societies in the United States, with chapters at 205 colleges and universities in 46 states. Each year Mortar Board sponsors and participates in events to provide service, advance the spirit of scholarship, and facilitate cooperation among honor societies. Every fall and spring, students with a minimum of sixty hours (twenty-four of which must be earned at FSU), an FSU GPA of 3.25 or in the top 25th percentile of their class (whichever is higher) in their respective colleges are invited to apply for membership. Mortar Board members are not only recognized as the top scholars and leaders on campus, but are presented with the unique opportunity to join a diverse group of students from vastly different disciplines and interests. Nationally, Mortar Board provides career networking, fellowships, and awards. For information call (850) 644-2451 or e-mail ecrabtree@fsu.edu.

Garnet Key Honor Society of the Panama City campus, founded in 1986, recognizes students primarily for service and scholarship, but also for spirit and leadership. Activities are generally service projects and functions for the Panama City campus. Applicants must have completed fifteen semester hours at that campus with a GPA of 3.5 or higher. For information, e-mail crios@pc.fsu.edu.

The **Oscar Arias Sanchez Hispanic Honor Society (OASHHS)** was formed in the Fall term of 1992 to recognize academic excellence among students of Hispanic heritage and those interested in Hispanic/Latino culture. Membership into the OASHHS shall be granted to those sophomores, juniors, seniors, and transfer students who have attained a 3.3 GPA or above and who have fulfilled the required service projects. The OASHHS is a scholastic/leadership society. To become a member of this organization, contact Undergraduate Studies Dean's Office, (850) 644-2740, or The Center for Retention and Enhancement, (850) 644-9699.

Garnet and Gold Key, founded in 1924, is the oldest leadership honorary society on the FSU campus. The society was formed to recognize the spirit of service, leadership, and loyalty. The society's annual activities now include Torch Night, which recognizes the top one hundred incoming freshmen and the conferral of The Ross Oglesby Award, given to one outstanding faculty or staff member who has dedicated ten years of service to the University, its students, and various community service projects. Juniors and seniors are able to apply twice a year for membership. Membership is granted on the basis of outstanding academic achievement and a diversified leadership experience. For more information please visit <http://sga.fsu.edu/ggkey/> or e-mail wwoodyard@cob.fsu.edu.

Other Societies

Phi Theta Kappa is the international honor society of two-year colleges. Florida State University's alumni chapter offers former active members the opportunity to remain affiliated after they transfer. Phi Theta Kappa was founded in 1918; the University has had an alumni chapter since 1982. For more information, contact Undergraduate Studies, (850) 644-2451.

Discipline-Specific Academic Honor Societies

College of Arts and Sciences

The **Department of Biological Science** sponsors **Beta Beta Beta**, a national honorary and professional fraternity dedicated to improving the understanding and appreciation of biology students and extending boundaries of human knowledge through scientific research. Tri-Beta promotes undergraduate research in biology through publishing its undergraduate-only journal, *Bios*; holding meetings at which undergraduate research papers are presented in the style of graduate meetings; and awarding competitive research stipends to support undergraduate research and publication. New members (any major) are invited twice a year to join the Sigma Tau Chapter at FSU. To qualify, new members must have completed three courses in Biological Science and maintain a science GPA of 3.0. For additional information, visit <http://tri-beta.neuro.fsu.edu/>, or e-mail professor Debra Ann Fadool, dfadool@bio.fsu.edu, for access to Blackboard announcements.

The honors organization of the **Department of Classics** is **Eta Sigma Phi**, founded in 1924 to promote the study and appreciation of classical languages and literature. The University chapter, organized in 1926, is the oldest active chapter in the United States. The chapter arranges lectures, poetry readings, translation contests in Greek and Latin, and tours. New members are invited twice a year, based on a "B" or above average in Greek and Latin courses. For further information, visit <http://www.etasigmaphi.org>.

The **Department of Computer Science** sponsors a chapter of **Upsilon Pi Epsilon**, the honor society for the computing sciences. The society is student-run and works closely with the local student chapter of the Association for Computing Machinery (ACM). Both undergraduate computer science majors and graduate students in computer science are eligible for election to membership. For full details on the current UPE membership requirements, please visit <http://upe.acm.org/membership.html>. For comprehensive information about UPE, visit <http://upe.acm.org/> or contact Dr. D. Gaitros, dgaitros@fsu.edu.

The **Department of English** sponsors a chapter of the **Lambda Iota Tau** literary honor society. The society is open to majors and minors in **English and Modern Languages and Linguistics** who have completed sixty semester hours or more with GPAs of 3.0 and higher. The society is student-run, and activities change with student interests. Recent activities have included book sales, forums on applying to graduate and law schools, marathon readings of favorite texts, publication of a literary journal, and an annual poetry and fiction contest for Leon County middle schools. Interested students should submit an initiation paper and fee to the Director of Undergraduate Studies in English.

The **Department of History** boasts the fourth chapter in the nation (founded in 1926) of **Phi Alpha Theta**, an honor and professional society dedicated to promoting the study of history. The chapter sponsors speakers, seminars, and publications. Students, who need not be history majors, may apply for membership twice a year. Undergraduates need twelve semester hours in history with a 3.2 GPA and a 3.0 overall GPA. Graduate students need twelve semester hours in history and a 3.5 overall GPA.

The honors society of the **Department of Mathematics** is **Pi Mu Epsilon**, founded nationally in 1914 and at Florida State University in 1956. Members are selected by invitation, based on national standards for mathematics credits and GPA, and overall GPA. Both undergraduate and graduate students are admitted. These exemplary students also participate in mathematics competitions and the department's three student organizations, the Florida State Mathematical Society, the Florida State Student Actuarial Society, and the student-led Graduate Student Seminar. For more information, e-mail advisor@math.fsu.edu.

Chi Epsilon Pi is the honor society for outstanding meteorology students in the **Department of Earth, Ocean, and Atmospheric Science**. The Florida State University chapter has existed since 1966. In order to be eligible for membership, graduate students must have at least nine semester hours of meteorology coursework while in graduate status, a 3.5 or better GPA in all meteorology coursework, an overall GPA of 3.25 or greater, and at least one year in the Meteorology program. Undergraduate students are eligible upon completion of at least seventeen graded semester hours of meteorology coursework at 2000 level or higher, and must have at least a 3.5 GPA in this meteorology coursework, a 3.25 or greater GPA overall from the period starting with the first semester as a junior and ending with the last complete semester, and at least one year in the Meteorology program. Other criteria exist for non-degree students. Students are inducted each Spring.

The **Department of Modern Languages and Linguistics** has five honor societies, each with a different language of focus:

French. Pi Delta Phi has long been established at Florida State University and inducts major and minor students on the undergraduate and graduate levels. Prospective undergraduate members must have a 3.0 GPA overall and in French classes, with at least one French class on the 3000 level. Graduate

students must have a 3.0 GPA in French as well as an overall GPA of 3.0, and must have completed one semester of graduate work in French. For more information, contact Dr. V. Osborn, (850) 644-8601.

German. Delta Phi Alpha is the national honor society for students of German. The chapter at Florida State University, organized in 1979 is Iota Eta. Minimum requirements include a 3.5 GPA in German and a 3.0 overall GPA, and at least three German courses above the language requirement with an "A-" or higher in each; students may be enrolled in the third course at the time of application. Membership is by invitation. Students wishing to be considered for membership should contact Dr. Birgit Maier-Katkin, (850) 644-8399 or bmaierkatkin@fsu.edu.

Italian. Gamma Kappa Alpha was organized in 1983; the University chapter followed in 1984. Each spring, students apply or are invited to apply. Membership is open to major and minor students who have completed at least three courses in Italian, one of which must be at the 3000 level, with a minimum 3.0 GPA overall and a 3.2 in Italian. For more information, contact Dr. M. Pietralunga, (850) 644-8392.

Slavic (including Russian). Dobro Slovo was founded in 1926; the University has had a chapter since 1972. Each Spring, students apply, or are invited, based on two years of study of Slavic languages and related subjects with a 3.25 average and an overall average of 3.0. For more information, contact Dr. L. Wakamiya, (850) 644-8391.

Spanish. Sigma Delta Pi is the honor society for students of Spanish and has had a chapter at the University since 1935. Sigma Delta Pi offers students competitive opportunities to study abroad. Undergraduates must have a 3.2 GPA in Spanish and must rank in the top thirty-five percent of their class. Applicants must complete nine hours of Spanish at or above the 3000-level; at least one course must be in Spanish literature or culture/civilization. Graduate students are also eligible after completion of two graduate courses in Spanish with a GPA of 3.0 or above. New members may apply in the Spring term. For more information, contact Dr. C. Gonzalez, (850) 644-8187.

Sigma Pi Sigma is the national honor society for majors in the **Department of Physics**. The organization was founded in 1921, and the University Chapter was organized in 1954. New members are inducted once a year, chosen from among majors in the Department of Physics. To qualify, juniors must have completed a minimum of seven graded PHY, PHZ, and AST courses with a GPA of at least 3.5 in those courses. Qualifying seniors will have completed a minimum of twelve graded PHY, PHZ and AST courses with a minimum GPA of 3.25 in those courses.

The **Department of Psychology** fosters a chapter of **Psi Chi**, a national honor society founded in 1929. The University chapter, in existence since 1959, has concentrates on three goals: a) providing high-impact service opportunities for members that allow them to gain career-relevant experience while serving the community; b) connecting members to the professional knowledge and advice of Psychology faculty, graduate students, alumni and other members; and c) providing opportunities for the campus community to be exposed to the knowledge of our science. Students may apply for membership twice a year. Psychology majors or minors must have completed twelve semester hours of psychology with a minimum 3.2 overall GPA and a 3.2 psychology GPA. For information, visit <http://fsupsichi.weebly.com> or contact psichi@psy.fsu.edu or faculty adviser Adam Johnson at ajohnson@psy.fsu.edu.

College of Business

Beta Gamma Sigma was founded in 1913 and established at the University in 1962. Both undergraduate and graduate business students are eligible for election. New members are automatically invited in the Fall and Spring semesters; a 3.8 overall GPA is required. For more information, contact Dr. W. Woodyard, wwoodyard@cob.fsu.edu.

Beta Alpha Psi is the national scholastic and professional organization of the **Department of Accounting**. Established in 1962, the University chapter recognizes outstanding academic achievement in accounting and business, promotes the study of accounting and business, provides opportunities for interaction among members and practicing business professionals, invites speakers from the profession, and undertakes campus and community service activities. Prospective undergraduate and graduate accounting, finance, and management information systems majors who intend to major in the aforementioned areas and have met grade point requirements in their majors and overall, may apply for membership. New members are initiated in the Fall and Spring semesters. For more information, contact the chair of the Department of Accounting, fennema@fsu.edu.

Majors in the **Dedman School of Hospitality** are eligible for **Eta Sigma Delta**, the international hospitality honor society. The society was founded in 1978 and came to the University in 1981. The local chapter emphasizes career preparation activities. Students who are hospitality majors in the junior year with

a 3.0 overall GPA are invited to apply at the beginning of each semester. For more information, contact the Director of the Dedman School of Hospitality, johlin@fsu.edu.

A chapter of **Sigma Iota Epsilon**, a management fraternity, has been sponsored by the **Department of Management** since 1969. Both undergraduate and graduate students are eligible for membership, and both must have a 3.2 GPA, among other requirements. For more information, contact the chair of the Department of Management, cdouglas@cob.fsu.edu.

College of Communication and Information

Lambda Pi Eta, a national communication honor society, had its charter year at the college in 1989. The purposes of the society are: (1) to foster and reward outstanding scholastic achievement in communication; (2) to stimulate interest in the field of communication through community outreach and service; (3) to promote and encourage professional development among communication majors; (4) to provide an opportunity to discuss and exchange ideas in the discipline of communication; (5) to establish and maintain closer relationships and mutual understanding between communication faculty and students; and (6) to explore options for graduate education in communication. The criteria for being a member require a student to be a communication, communication science and disorders, or information technology major; to have completed at least fifteen semester hours in a communication or information technology major and sixty hours overall; and have a minimum of a 3.5 GPA overall and in the major, with no grades below "C-", no more than one incomplete (I) on a maximum of six semester hours, and no unsatisfactory grades (U). New members are invited at the beginning of each Fall and Spring semester. For more information, contact Dr. Hall-Mills at Shannon.Hall-Mills@fsu.edu.

Beta Phi Mu, the Library and Information Studies International Honor Society, was founded in 1948 at the University of Illinois at Urbana-Champaign. In 1957, the Gamma Chapter of Beta Phi Mu was installed at Florida State University to recognize local scholars. Beta Phi Mu headquarters are currently housed in the School of Library and Information Studies, College of Communication and Information, on the Florida State University campus. Membership is by invitation and is offered to graduate students who have recently graduated from a program in Library and Information Studies. There is a minimum GPA requirement, students must be nominated by faculty; no more than 25% of a graduating class may be nominated. For more information, contact Dr. Gary Burnett, gary.burnett@cci.fsu.edu.

College of Criminology and Criminal Justice

Alpha Phi Sigma is a nationally recognized honor society for students in criminology and criminal justice. The society recognizes academic excellence by undergraduates and graduate students.

To become a member, students must have completed one-third of the total hours required for graduation at Florida State University. The student must be recommended by the local chapter adviser or a faculty member. Undergraduates must maintain a 3.2 overall GPA and a 3.2 GPA in their major courses. Students must also rank in the top thirty-five percent of their class and have completed a minimum of four courses within the criminology and criminal justice curriculum. The society is open to students with a declared criminology and criminal justice major or minor. For more information, contact coakley@fsu.edu.

College of Education

Kappa Delta Pi has maintained a chapter at the University since 1925. Students are invited twice a year or may apply. Prospective members must have completed twelve semester hours of professional education courses. Undergraduates must hold a "B" average in all college work; induction for graduate students requires a "B+" cumulative average. For more information, contact Dr. A. F. Davis, (850) 645-1739, afdavis@fsu.edu.

Pi Delta Kappa has maintained a chapter at the University since 1953. The group frequently participates in national research projects in education. Students are invited or may apply once a year. Members must have obtained a baccalaureate degree and be admitted to a graduate degree program or have five years successful professional experience. For more information, contact Dr. A. Guerette, (850) 644-6885, aguerette@fsu.edu.

College of Engineering

The **Tau Beta Pi** engineering honor society was founded in 1885 at Lehigh University and is the oldest engineering honor society in the United States. The society was founded "to mark in a fitting manner those who have conferred honor upon their alma mater by distinguished scholarship and exemplary character as undergraduates in the field of engineering." The society now exceeds two hundred and thirty active chapters across the country. The FAMU-FSU College of Engineering chapter of Tau Beta Pi, Florida Eta, was installed on

February 29th, 1992. New members are selected based on scholarship (upper one-fifth of engineering seniors and upper one-eighth of engineering juniors), character, and integrity.

The **Pi Tau Sigma** international mechanical engineering honor society was founded in 1915 at the University of Illinois. The society recognizes students who show sound engineering ability, high scholarship (upper thirty-five percent of juniors and upper twenty-five percent of seniors), personality, and probable future success in the field of Mechanical Engineering. The FAMU-FSU College of Engineering chapter, Alpha Iota, was founded April 16th, 1994. The Alpha Iota chapter supports the Mechanical Engineering department through community outreach, undergraduate mentoring, tutoring, and social activities.

IEEE-HKN is the international honor society for electrical and computer engineering, which grew from the national honor society Eta Kappa Nu (HKN), that was founded at the University of Illinois. On April 9th, 2009, the Lambda Delta Chapter of Eta Kappa Nu was chartered at the FAMU-FSU College of Engineering. Student members are selected based on scholarship, character, and attitude. New members must be in the upper one-third of electrical and computer engineering seniors or upper one-fourth of electrical and computer engineering juniors.

Founded in 1949 and chartered at FSU in 1995, the **Alpha Pi Mu** industrial engineering honor society confers recognition upon students of industrial and manufacturing engineering who have shown exceptional academic interest and abilities in their field, encourages the advancement and quality of industrial and manufacturing engineering education, and unifies the student body of the Industrial and Manufacturing Engineering Department in presenting its needs and ideals to the faculty. Candidates are selected from outstanding members of junior, senior, and graduate classes in industrial engineering. New members must be in the upper one-third for the senior industrial engineering students or in the upper one-fifth of the junior industrial engineering students.

College of Human Sciences

Kappa Omicron Nu was established in 1990 with the consolidation of Kappa Omicron Phi and Omicron Nu. Omicron Nu was established at the University in 1922. The local chapter is Omicron Pi Chapter. Kappa Omicron Nu recognizes and encourages excellence in scholarship, research, and leadership. Undergraduates must have sixty semester hours (at least fifteen of which were completed at Florida State University in a major within the College of Human Sciences) with a minimum FSU GPA of 3.3. Graduate students must have at least twelve semester hours that were completed at Florida State University in a major within the College of Human Sciences with a minimum FSU GPA of 3.5. New members are initiated at least once a year.

The **Glenn Society** was established in 2004 and named in honor of Hortense Glenn, who served as Dean of the College of Human Sciences from 1958 to 1972. The purpose of this honor society is to recognize students who have exhibited outstanding leadership and service while maintaining a high level of academic achievement. Each year no more than one percent of the student body of the College of Human Sciences is selected for membership. Undergraduate students are required to have completed ninety or more semester hours (at least thirty hours at Florida State University and twenty since declaring a major in the College of Human Sciences), a minimum FSU GPA of 3.3 and evidence of leadership and service. Graduate students at the MS level must have completed at least two semesters of coursework as a major in the college, and PhD students are required to have completed at least four semesters in the college. For graduate students, a minimum FSU GPA of 3.8 is required in addition to evidence of leadership and service. New members are initiated once per year, in the Spring semester.

Iota Tau Alpha is an honorary society in the **Department of Nutrition, Food and Exercise Sciences**. It was established in 2004 at Troy University, and the Alpha Chi chapter, now the largest in the nation, was organized at The Florida State University in 2009. The objective of the Society is to foster a high standard of ethics and professional practices and to create a spirit of loyalty and fellowship, specifically for those students in Athletic Training. To be considered for membership undergraduate students must be in the major of Athletic Training, have completed at least one term of their second year of a four year curriculum, have completed at least three term courses in Athletic Training with an average grade of "B" or better, and be in good academic standing—with at least a 3.5 cumulative college GPA or in the top 35% of their class. The Alpha Chi chapter also uniquely requires that each initiated member participate in at least one research study conducted within the College of Human Sciences. Initiation is held at the beginning of each Spring semester, with 2010 marking the first initiated class at FSU.

College of Law

The **Order of the Coif** was founded in 1902 and came to the University in 1979. New members are invited once a year from the top ten percent of the graduating class.

College of Music

Pi Kappa Lambda is an honor society dedicated to fostering scholarly interest in the theoretical and historical aspects of music and to the pursuit of eminent achievement in performance, composition, music education, music therapy, and research. Pi Kappa Lambda was founded in 1918 and established the Phi Chapter at the University in 1943. New members are chosen once a year based on scholarly achievement and musicianship. Juniors must be in the top ten percent of the class; seniors, in the top twenty percent; graduate students must have an "A" in at least two-thirds of their courses.

College of Nursing

Sigma Theta Tau International, the scholastic honor society of nursing, was established in 1922. The University chapter, Beta Pi, was chartered in 1974. The society's vision is to create a global community of nurses who lead by using knowledge, scholarship, and service to improve the health of the world's people. Undergraduate nursing students are eligible for consideration once they have completed one-half of the nursing program and must rank in the upper thirty-five percent of their class, with a minimum GPA of 3.0. Graduate students are eligible for consideration once they have completed one-fourth of the graduate nursing program, provided they have a GPA of 3.5 or better.

College of Social Sciences and Public Policy

Pi Gamma Mu is open to students in anthropology, Asian studies, criminology, economics, geography, history, international affairs, political science, psychology, public administration, Russian and East European studies, social science, social work, sociology, and urban and regional planning. The University chapter was founded in 1975. Students must have a minimum of twenty semester hours in the above subjects with at least a 3.0 GPA and no social science grade of "F", and (except for graduate students,) must be in the upper thirty-five percent of their classes. Prospective members are also expected to have extracurricular activities related to the social sciences. For more information, contact Dr. Crew, 211 Bellamy, (850) 644-4418, or rcrew@fsu.edu.

The **Department of Economics** hosts the Gamma chapter of the **Omicron Delta Epsilon** International Honor Society in Economics. Undergraduate requirements for membership are: junior or senior classification; a minimum of twelve semester hours of economics courses completed; a minimum overall GPA of 3.0; and a minimum 3.0 GPA in economics courses. Graduate students must have completed at least one semester of graduate work with at least a 3.0 GPA.

Gamma Theta Upsilon is the honor society in the **Department of Geography**. The society was founded in 1931 and came to the University in the mid-1950s. The local chapter organizes lectures and field trips. Both undergraduate and graduate students are eligible, and invitations go out twice a year. A student must have a 3.0 overall GPA, must have a "B" in geography in at least three courses, and must have completed at least three semesters of college coursework. For more information, contact Dr. V. Mesev, vmesev@fsu.edu, or (850) 644-1706.

The honor society of the **Department of Political Science** is **Pi Sigma Alpha**. The society was founded in 1920, and a chapter was established at the University in 1954. Undergraduate and graduate students may apply if they have at least twelve semester hours in political science (including public administration) with a 3.2 GPA and a 3.0 overall GPA.

Pi Alpha Alpha is the national honor society for the field of **Public Administration**. New members are invited semi-annually based on a 3.75 graduate GPA or better and a minimum of twenty-one completed semester hours, both in their degree program.

The honor society for the **Department of Sociology** is **Alpha Kappa Delta**. The aim of the University chapter, Alpha, is to stimulate scholarship and maintain a fellowship for students, both at the graduate and undergraduate levels. Requirements for undergraduates include the following: junior or senior classification; a minimum of twelve semester hours of sociology courses completed; a minimum overall GPA of 3.0; and a minimum 3.0 GPA in sociology courses. Graduate students must have completed at least one semester of graduate work with at least a 3.0 GPA. For more information, contact the Department of Sociology.

College of Social Work

The **College of Social Work** was the national founding chapter of **Phi Alpha** honor society. Phi Alpha fosters high standards of achievement for students

and promotes humanitarian ideals through community service. Applications are taken twice a year. Undergraduates must have an overall GPA of 3.0, with a 3.25 GPA in at least nine semester hours of social work courses. Graduate students must have a 3.5 overall GPA with nine semester hours completed in social work.

The College of Social Work also sponsors the FSU chapter of **Sigma Phi Omega**, the national academic honor and professional society in gerontology. Sigma Phi Omega was established to recognize excellence of those who study gerontology and aging and the outstanding service of professionals who work with or on behalf of older persons. Membership is open to undergraduate and graduate students who are majoring or minoring in gerontology/aging studies and related fields, and who are in at least their second term of enrollment. Undergraduates must have a grade point average of at least 3.3 on a 4.0 scale, and graduate students must have at least a 3.5 GPA to be eligible for membership. Faculty, alumni, professional, and honorary memberships are also available.

COLLEGE OF APPLIED STUDIES

Dean: Ken Shaw; **Associate Dean:** Steve Leach, Barbara Robinson

Established in 2010, the College of Applied Studies is the newest college at the University. The administrative offices of the College of Applied Studies are located on the Panama City campus, which is about 100 miles southwest of Tallahassee, on beautiful North Bay.

General Information

All students must meet the University-wide baccalaureate degree requirements summarized in the "Undergraduate Degree Requirements" chapter of this *General Bulletin*. In order to enroll in the College of Applied Studies, an undergraduate must be certified by the Division of Undergraduate Studies or be a transfer student with fifty-two or more semester hours of accepted credit. Admission to the College of Applied Studies requires at least a 2.0 grade point average (GPA) in prior academic work and that the student is in good standing within the University. Since individual departments within the College of Applied Studies may stipulate higher admission standards, students should consult the appropriate chapters of this *General Bulletin* for specific requirements. Students applying for admission to one of the College of Applied Studies degree granting departments or to one of the non-degree programs must apply through Florida State University's Panama City Office of Admission and Records online at <http://pc.fsu.edu/QUICK-LINKS/News/Apply-Now>.

Advising

Florida State University Panama City provides academic advising to students interested in pursuing coursework in the College of Applied Studies. For more information, please contact Angie Sexton by e-mail at asexton@pc.fsu.edu or at (850) 770-2178.

Programs Offered

The College of Applied Studies offers curricula leading to the Bachelor of Science (BS) degree. Students pursuing a baccalaureate degree in the College of Applied Studies may choose from the following degree programs:

- BS degree in Corporate and Public Communication
- BS degree in Public Safety and Security with a major in Police Science
- BS degree in Public Safety and Security with a major in Law Enforcement Operations
- BS degree in Public Safety and Security with a major in Law Enforcement Intelligence
- BS degree in Public Safety and Security with a major in Crime Scene Investigation
- BS degree in Recreation, Tourism and Events

Certificates

In addition to the degree programs, the College of Applied Studies offers certificate programs that provide additional specialized areas of emphasis. The certificate programs offered include: Graduate Certification in Event Management, Undergraduate Certificate in Underwater Crime Scene Investigation, and Graduate Certificate in Underwater Crime Scene Investigation. Additional information regarding the certificate programs may be found at <http://appliedstudies.pc.fsu.edu/>.

Institutes and Centers

The Science, Technology, Engineering and Mathematics (STEM) Institute at FSU Panama City promotes educational excellence by providing educators with professional skills and research based practices that foster exemplary teaching and inspire meaningful learning in STEM disciplines. The FSU Panama City STEM Institute is the Florida Engineering Affiliate for Project Lead the Way (PLTW). For more information, please visit <http://www.steminstitute.org>.

Facilities

The College of Applied Studies is housed in seven buildings on the Panama City campus. The campus occupies just over twenty-five acres. The most recent additions to the campus are a \$7.9 million Administrative Services Center and a \$32 million Academic Center. The 14,000-square-foot Administrative Services Center, completed in March 2007, houses the police department, postal services center, maintenance department and receiving area, as well

as the central utility plant for the entire campus. The Academic Center will accommodate significant growth in enrollment, approximately doubling the academic capacity of the campus. The three-story facility in excess of 100,000 square feet provides twenty-one general purpose classrooms, student seminar rooms, study and meeting rooms, a library and learning center, a 500-seat multi-purpose lecture hall/community room, and ten academic laboratories in support of programs in criminology, civil and environmental engineering, computer science, electrical engineering, advanced scientific diving and underwater crime scene investigation. Groundbreaking for the Florida State Panama City Academic Center was held in January 2007. The Academic Center was formally dedicated the Alfred P. and Mamie V. Holley Academic Center on January 21, 2009. The Holley Academic Center was named in recognition of Russell C. Holley's naming gift in honor and memory of his parents.

Scholarships

Students enrolled at FSU Panama City in the College of Applied Studies are eligible to apply for the endowed scholarships listed below. For more information on how you can apply or an application, please visit the Web site of the FSU Panama City Foundation at <http://pc.fsu.edu/Admissions-Records/Financial-Aid/Scholarships>.

Adam Arias Memorial ABA Endowed Scholarship

For a graduate student in the Psychology Applied Behavior Analysis Program.

Atkins Endowed Scholarship

For an undergraduate student pursuing a degree in Civil and Environmental Engineering with a 3.0 GPA.

AT&T Employees Endowed Scholarship

For a student that is an active employee or dependent of active or retired AT&T employee.

Dempsey Barron Endowed Scholarship

For an undergraduate or graduate student.

Bob Barth Underwater Research Endowed Scholarship

For a student with a minimum of a 3.0 GPA enrolled in at least six credit hours, three of which are an underwater research course.

Bay County Teacher of the Year Endowed Scholarship

For an undergraduate student that is a graduate of Gulf Coast State College that has been admitted to an education program with a minimum 3.0 GPA.

Jeff Berberich Family Endowed Scholarship

For an undergraduate or graduate student that has: 1) been placed in foster care or adoption services, 2) has served as a volunteer of Guardian ad Litem, or 3) has been through the Guardian ad Litem program.

Fredericka Berger Benton Memorial Endowed Scholarship

For an undergraduate or graduate student with a minimum of a 2.8 GPA.

Mabelle Williams Benton Memorial Endowed Scholarship

For an undergraduate or graduate student with a minimum of a 2.8 GPA.

Berg Steele Pipe Corporation Endowed Scholarship

For an undergraduate student with a minimum of a 2.8 GPA. Priority consideration is given to dependents of Berg Steele Pipe Corporation and eb Pipe Coating, Inc.

Flo Bilelo Social Work

For an undergraduate or graduate student with a minimum 3.0 GPA and demonstrated financial need completing the internship/field study curriculum in the Social Work program.

Larson M. and Beverly J. Bland Endowed Scholarship

For an undergraduate student with a minimum of a 2.75 GPA.

Gary and Hollis Bliss Endowed Scholarship

For an undergraduate student pursuing a degree in the College of Business or Communication.

Frank Brown Memorial/Optimist Club of the Beaches Endowed Scholarship

For a full-time undergraduate student with a course load of at least twelve hours, with a minimum 2.8 GPA.

John A. Centrone Endowed Scholarship

For an undergraduate or graduate student. Priority consideration is given to graduates of the Panama City Marine Institute.

Century 21 Bay Brokers Council Endowed Scholarship

For an undergraduate or graduate student with a minimum of 3.0 GPA.

Linda Arnold Christoff Memorial Endowed Scholarship

For an undergraduate or graduate female student demonstrating academic ability and financial need.

Charles W. Clary, III Endowed Scholarship

For an undergraduate student with a minimum 3.0 GPA that has been admitted to the Elementary Education program.

Community Services Foundation of Bay County Endowed Scholarship

For an undergraduate or graduate student that is a resident of Bay County, Florida.

Dr. Hulon and Dinah Crayton Endowed Scholarship

For an undergraduate minority student enrolled in any academic program.

Don Crisp Endowed Scholarship

For an undergraduate student with a minimum 2.8 GPA. A personal statement is required and should include information pertaining to community service and student leadership activities.

Angel David Memorial Endowed Scholarship

For either a full-time undergraduate or graduate student with a minimum 3.0 GPA.

Death By Chocolate/Emerald Coast Business Women's Association Endowed Scholarship

For either an undergraduate or graduate student who is a resident of Bay County, Florida and is at least twenty-three years of age.

Alfred I duPont Foundation Endowed Scholarship

For an undergraduate student from the following areas in order of preference: 1) Port St. Joe, 2) Wewahitchka, 3) Gulf County, 4) Franklin County, 5) Bay County, 6) Northwest Florida, and 7) Florida.

Endowed General Scholarship Fund

For an undergraduate or graduate student with a minimum of 2.5 GPA.

Kassi Blakeley Eudaley Endowed Scholarship

For an undergraduate or graduate student. Priority consideration is given to active Corams Steak and Eggs employees or their dependents.

FICPA Endowed Scholarship

For an undergraduate or graduate student with a minimum 3.0 GPA that has been admitted to the Accounting program.

Anita Darlene Freeman Memorial Endowed Scholarship

For an undergraduate or graduate student with a physical disability.

FSU Panama City Student Government Council Endowed Scholarship

For a full-time undergraduate or graduate student with a minimum 3.5 GPA.

GAC Contractors, Inc. Endowed Scholarship

For an undergraduate student with a minimum 2.8 GPA pursuing a degree in Civil and Environmental Engineering. Priority consideration is given to graduates of a high school in Calhoun, Gulf, Holmes, Jackson, Liberty, and Washington counties.

Hubert Green Endowed Scholarship

For an undergraduate or graduate student with a minimum 3.0 GPA. A personal statement is required and should include information pertaining to demonstrated community service.

Walter B. Hall, Sr. Endowed Scholarship

For an undergraduate or graduate student pursuing a degree within the College of Business that is a dependent or spouse of an active-duty or retired military member.

Karen Hanes Endowed Scholarship

For an undergraduate or graduate student with a minimum 3.0 GPA enrolled in at least six credit hours per semester with demonstrated financial need and academic ability.

HDR Endowed Scholarship

For an undergraduate student with a minimum 3.0 GPA enrolled in at least six credit hours pursuing a degree in Civil and Environmental Engineering.

John Hutt, Sr. Memorial Endowed Scholarship

For an undergraduate or graduate student enrolled in the College of Business.

Michelle Green Endowed Scholarship

For an undergraduate or graduate student with a minimum 3.0 GPA. A personal statement is required and should include information pertaining to demonstrated community service.

Jaqueline Isler Memorial Endowed Scholarship

For an undergraduate student in any degree program.

Wally Jenkins Memorial Optimist Club of the Beaches Endowed Scholarship

For a full-time (twelve semester hours) undergraduate student with a minimum 2.8 GPA. Priority consideration is given to residents of the Beaches area of Bay County, Florida. A personal statement is required including information on academic and/or leadership awards received as well as participation in community activities and any affiliation with Optimist Clubs.

Junior Service League of Panama City Endowed Scholarship

For a female undergraduate or graduate student with a minimum 3.0 GPA.

License to Learn Endowed Scholarship

For an undergraduate or graduate student with a minimum 3.0 GPA.

Edward Mayer Memorial Endowed Scholarship

For a "non-traditional" undergraduate or graduate student with a minimum 2.8 GPA pursuing a degree in the College of Education that has demonstrated financial need and academic ability. Student must be a resident of Bay County, Florida.

Thomas G. and Donna P. McCoy/Optimist Foundation of the Beaches Endowed Scholarship

For a full-time (twelve semester hours) undergraduate student with a minimum 2.8 GPA. Priority consideration is given to residents of the Beaches area of Bay County, Florida and to students who have not attended college within the past five years. A personal statement is required including information on academic and/or leadership awards received as well as participation in community activities and any affiliation with Optimist Clubs.

McNeil Carroll Engineering, Inc Endowed Scholarship

For an undergraduate student with a minimum 3.0 GPA pursuing a degree in Civil and Environmental Engineering. Priority consideration is given to employees and dependents of McNeil Carroll Engineering Inc., graduates of Gulf Coast State College and Bay County, Florida high school graduates.

Optimist Club of the Beaches Endowed Scholarship

For a full-time (twelve semester hours) undergraduate student with a minimum 2.8 GPA. Priority consideration is given to residents of the Beaches area of Bay County, Florida. A personal statement is required including information on academic and/or leadership awards received as well as participation in community activities and any affiliation with Optimist Clubs.

Panama City Area Seminole Club Endowed Scholarship

For an undergraduate or graduate student with demonstrated financial need.

Panama City Downtown Rotary Club

For an undergraduate or graduate student. Preference will be given to College of Business majors.

Panama City Housing Authority Endowed Scholarship

Book award with preference for Gulf Coast State College graduates who have been selected to receive an EXCEL Scholarship from the Bay Education Foundation, Inc.

Panama City Junior Women's Club Endowed Scholarship

For an undergraduate or graduate student. Preference for present or past members of the Panama City Junior Women's Club with a 3.0 GPA.

Panhandle Educator's Federal Credit Union Endowed Scholarship

For an undergraduate or graduate student. Priority consideration is given to members and qualified dependents of members of Panhandle Educators Federal Credit Union.

Panhandle Engineering/James and Rose Slonina Endowed Scholarship

For an undergraduate student seeking a degree in Civil and Environmental Engineering.

Patronis Brothers Foundation Endowed Scholarship

For an undergraduate or graduate student. Preference is given to a Gulf Coast State College graduate and Bay County resident.

Preble-Rish, Inc. Endowed Scholarship

For an undergraduate enrolled in the Civil and Environmental Engineering program with a minimum 3.0 GPA and enrolled in a minimum of six credit hours.

Regions Bank Endowed Scholarship

For an undergraduate or graduate student. Priority consideration is given to employees and qualified dependents of employees or Regions Bank's Florida Panhandle Banking Group.

Mary Ola Reynolds Miller Endowed Scholarship

For an undergraduate with a minimum 3.0 GPA. Must be a resident of one of the following Northwest Florida counties and provide documentation of established residency of at least ten years: Escambia, Santa Rosa, Okaloosa, Walton, Holmes, Washington, Bay, Jackson, Calhoun, Gulf, Liberty, or Franklin.

Dr. David Skinner Endowed Scholarship

For an undergraduate student seeking a degree in electrical engineering.

Society of American Military Engineers Panama City Post Endowed Scholarship

For an undergraduate student admitted to any engineering program at FSU Panama City who has demonstrated financial need.

St. Joe Community Foundation Endowed Scholarship

For an undergraduate or graduate student.

St. Joe Community Foundation Challenge Grant Endowed Scholarship

For an undergraduate or graduate student.

Stantec

For an undergraduate student enrolled in the Civil and Environmental Engineering program that has demonstrated financial need and academic achievement.

Estelle Cawthon Starling Memorial Endowed Scholarship

For an undergraduate or graduate student with residency in Bay or Walton County, Florida for a minimum of ten years with a 2.8 GPA. A personal statement is required and should include residency information.

Sussex-Bay Foundation Endowed Scholarship

For an undergraduate or graduate student with a minimum 3.0 GPA that has been admitted to one of the communication programs.

George G. Tapper Memorial Endowed Scholarship

For an undergraduate student. Preference is given to Gulf Coast State College graduates pursuing undergraduate degree. Demonstrated academic ability and financial need required.

Col. William W. Wood Memorial Endowed Scholarship

For a full-time (twelve credit hours per semester) undergraduate student who is a graduate of Gulf Coast State College and a high school in Bay County, Florida. Student must have a minimum 2.8 GPA to receive the scholarship and a minimum 2.5 GPA to maintain the scholarship. Recipients have priority for future scholarship awards for up to five semesters or until graduation without reapplication. Applicants must submit an essay consisting of a minimum of 500 words on the topic "What is the cost of freedom?"

Edward N. and June G. Wright Endowed Scholarship

For an undergraduate or graduate student. Preference is given to children (dependent or independent status) of full-time FSU Panama City employees (USPS or A&P) with 3.0 GPA.

Dr. Robert L. Young/First Union Bank Endowed Scholarship

For an undergraduate or graduate student that has demonstrated academic excellence in one of the following fields: Business/Finance, Fine Arts, or Education.

University Honors and Honor Societies

The College of Applied Studies encourages eligible students to participate in university honors and in the honors in the major program. For a list of university-wide honor societies officially recognized by Florida State University, requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*. College-wide honor societies officially recognized by the College of Applied Studies are listed below followed by the discipline-specific societies. For complete details of activities and membership requirements, contact the individual organizations.

Leadership/Scholastic Societies

Garnet & Gold Scholar Society facilitates involvement and recognizes the engaged, well rounded student who excels within and beyond the classroom in the areas of Leadership, Internship, Service, International, and Research. For more information, visit <http://garnetandgoldscholar.fsu.edu> or contact the FSU Panama City campus adviser Jennifer Scoggins-Polous by e-mail at jpolous@pc.fsu.edu.

Garnet Key Honor Society of the Panama City campus, founded in 1986, recognizes students primarily for service and scholarship, but also for spirit and leadership. Activities are generally service projects and functions for the Panama City campus. Applicants must have completed fifteen semester hours at that campus with a GPA of 3.5 or higher. For more information, e-mail crios@pc.fsu.edu.

Student Activities

The Scuba, Hyperbaric, and Recreational club (SHARC) is a dive club established to coordinate and facilitate SCUBA training due to FSU Panama City student interest in scientific and recreational diving. Membership is open to all regardless of certification status. Certified divers that are members have access to club resources such as regulators, dive lights, and buoyancy compensators. For more information, contact Jerome Fleeman by e-mail at sharcfsupc@gmail.com, the FSU Panama City Dive Locker at (850)770-2206, or visit the club's Web site at <http://pc.fsu.edu/QUICK-LINKS/Current-Students/Student-Organizations/Share>.

COLLEGE OF ARTS AND SCIENCES

Dean: Sam Huckaba; **Associate Deans:** Rob Contreras, Lois Hawkes, Elizabeth Spiller

The oldest college at the University, the College of Arts and Sciences has provided generations of undergraduate students instruction in the liberal arts disciplines that are essential for intellectual development and personal growth: English; history; humanities; and the physical, biological, mathematical, and behavioral sciences. At the graduate level, too, the contributions of the College of Arts and Sciences have been integral with the growth of the University. The first recorded master's degree at the Florida State College for Women was awarded by the College of Arts and Sciences in 1908, and the first doctorate at Florida State University was awarded in chemistry in 1952.

College of Arts and Sciences faculty have earned national and international recognition for research, teaching, and distinguished service to the profession. In addition to awarding Bachelor of Science (BS), Bachelor of Arts (BA), Master of Science (MS), Master of Arts (MA), Master of Fine Arts (MFA), and Doctor of Philosophy (PhD) degrees, and heavily supporting the Liberal Studies Program, the College of Arts and Sciences offers an extensive array of foundation courses for pre-professional and professional programs.

Requirements

All students must meet the University-wide baccalaureate degree requirements summarized in the "Undergraduate Degree Requirements" chapter of this *General Bulletin*. In addition, all students receiving a degree from the College of Arts and Sciences must satisfy the requirements listed in the following paragraphs.

In order to enroll in the College of Arts and Sciences, an undergraduate must be certified by the Division of Undergraduate Studies or be a transfer student with fifty-two or more semester hours of accepted credit. Admission to the College of Arts and Sciences requires at least a 2.0 grade point average (GPA) and completion of at least half of liberal studies including the required English Composition and Mathematics. Since individual departments may stipulate higher admission standards, students should consult the appropriate chapters of this *General Bulletin* for specific requirements.

Foreign Language. The College of Arts and Sciences requires that Bachelor of Arts and Bachelor of Science students be proficient at the intermediate level in one language other than English. Students may satisfy the requirement by completing college coursework through the 2000 level (2200 or equivalent course) of a classical or modern foreign language. Those with a 2.5 FSU GPA may take these courses on a satisfactory/unsatisfactory (S/U) basis, as long as they meet the University deadline for declaring this intention. A student taking coursework to fulfill the College's foreign language requirement must earn at least a "C-". Exceptions to this policy are rare.

Hours used to fulfill the foreign language requirement may not be counted toward a major or minor. Native speakers of a language other than English and students who wish to demonstrate proficiency by means other than coursework should consult the Department of Modern Languages and Linguistics.

Please note that the College's foreign language requirement is different than the University's foreign language admissions requirement. It is important to understand that, although completion of two years of high school foreign language courses or two semesters of postsecondary foreign language will satisfy the University's admissions requirement, these courses **do not** satisfy the College of Arts and Sciences' foreign language graduation requirements for BA and BS students. Please consult the "Admissions" section of this *General Bulletin* for more information.

All students who intend to continue study of a modern foreign language at Florida State University in which they have previous experience (such as high school study or study abroad) must be placed into the appropriate course by the Department of Modern Languages and Linguistics. Students in French, German, and Spanish who continue with the same language must take the placement test before they enroll in a course in the Department of Modern Languages and Linguistics. Students in other languages must consult the department for the appropriate placement procedures before enrolling.

Minor. Majors in the College of Arts and Sciences require the completion of an FSU approved minor. Exceptions include certain programs with collateral minors. Students completing a double major do not have to complete a minor. Students pursuing two degrees (dual degree or a second baccalaureate degree) must have a separate minor for each degree that is awarded by this College. If one of the degrees is to be awarded by another College in the University, that dean's office will specify any minor requirements. While many minors require only twelve semester hours, others require more. No courses used for satisfying liberal studies requirements, the College foreign language require-

ment or major requirements may also be counted toward the minor. Normally, the student's minor will be in a different department than the major. In a few cases it may be possible to take the minor in a different program, but within the same department as the major. Students wanting to pursue that possibility must consult with an adviser in the dean's office. Students must choose a minor from the list of approved FSU minors. See <http://www.academic-guide.fsu.edu/minors.html> for a list of FSU minors. Please note that completion of an FSU certificate program will satisfy the college minor requirement.

Requirements for the Major. See departmental entries for specific requirements. If courses from the major department are used to meet the liberal studies requirements, no more than four semester hours of these liberal studies courses may also be counted toward the major requirements.

Non-Degree Granting Interdisciplinary Program

The Program in Interdisciplinary Computing: The College of Arts and Sciences supports the Program in Interdisciplinary Computing (PIC) with representation on the PIC Steering Committee. PIC is a non-degree granting program established to develop, support, and promote computing and information technology courses that empower FSU students to innovate and lead in their respective fields. Courses listed with PIC cover a wide range of computer skills with each course focusing on the application of those skills to the student's discipline. See <http://www.pic.fsu.edu> for more information about PIC and a list of current PIC courses.

Second Baccalaureate Degree or Dual Degree

A student completing a second bachelor's degree in the College of Arts and Sciences must complete at least thirty semester hours and a minor at Florida State University. This is in addition to the required hours that were completed for the first degree. The student must complete a new major and a new minor (with no overlap between these and the first major) and demonstrate satisfaction of the College of Arts and Sciences foreign language requirement.

Note: To distinguish between second baccalaureate degrees and second majors, see the appropriate paragraph under "Undergraduate Degree Requirements" in this *General Bulletin*.

Degree Granting Departments

Humanities Area	Science Area
Classics	Anthropology
English	Biological Sciences
History	Chemistry and Biochemistry
Modern Languages and Linguistics	Computer Science
Philosophy	Earth, Ocean, and Atmospheric Science
Religion	Mathematics
	Physics
	Psychology
	Scientific Computing
	Statistics

Non-Degree Granting Departments

Aerospace Studies
Military Science

COLLEGE OF BUSINESS

Dean: Caryn Beck-Dudley; **Associate Deans:** Michael D. Hartline, David B. Paradise

Mission

It is the mission of the College of Business to provide high quality, innovative instruction that prepares, challenges, and inspires students to shape the future of business; to be an international thought leader by producing high quality scholarly research and publishing in top tier journals; to establish and foster relationships with our alumni, the business community, and our other stakeholders; and to help the University fulfill its mission and achieve its vision.

General Information

The College of Business houses five business departments: the Department of Accounting; the Department of Finance; the Department of Management; the Department of Marketing; and the Department of Risk Management/Insurance, Real Estate, and Legal Studies. The College is also home to the Dedman School of Hospitality, an independent, industry-specific school with separate admission and degree requirements.

Since its founding in 1950, the College of Business has provided quality business education to over 40,000 alumni who have gone on to positions in regional, national, and international organizations. The College, through its faculty, curricula, and programs, is committed to educating and developing its students for careers as future business executives and leaders.

Over the years the College of Business has been successful in building a very capable and motivated faculty. Faculty members are very productive researchers and effective teachers. These faculty members also maintain important contacts with the business community through various types of service and applied research activities.

As a result of its capable and dedicated faculty, the College of Business has been able to attract highly qualified students. These students have strong analytical and communicative aptitudes and have a spirit of enterprise and creativity. The interaction of these students with highly qualified faculty, coupled with well-designed program options, creates a stimulating learning environment.

The achievements of the College of Business have been recognized by the business community in the form of development funds for scholarships, endowed chairs, professorships, teaching and research grants, and other program activities.

Programs Offered

The business departments in the College offer curricula leading to the degrees of Bachelor of Science (BS), Bachelor of Arts (BA), Master of Business Administration (MBA), Master of Accounting (MAcc), Master of Science in Finance, Management, Management Information Systems, and Doctor of Philosophy (PhD) in business administration. The College of Law and the College of Business offer a joint-degree program leading to the Juris Doctor (JD) and the Master of Business Administration (MBA) degrees. The College of Social Work and the College of Business offer a joint-degree program leading to the Master's in Social Work (MSW) and the Master of Business Administration (MBA) degrees. All of these business programs are fully accredited by AACSB-International, including separate accreditation of the programs in accounting.

Students pursuing a bachelor's degree choose from the following degree programs:

1. bachelor's in accounting
2. bachelor's in finance
3. bachelor's in management with a major in management or a major in human resource management
4. bachelor's in management information systems
5. bachelor's in marketing with a major in marketing or a major in professional sales
6. bachelor's in real estate
7. bachelor's in risk management/insurance
8. bachelor's in business administration with a major in entrepreneurship

The **Master of Business Administration (MBA)** program is an accelerated, thirty-nine semester hour program. The program is offered on a full-time and part-time basis. The full-time program begins once each year in the

Summer term. The part-time MBA program is offered online and begins each semester. Students are encouraged to have at least two years of work experience prior to entering the MBA program.

Students in the **Master of Accounting (MAcc)** program may major in either assurance services, accounting information systems, corporate accounting, or tax accounting. This program provides students with greater breadth and depth in accounting education than can be accomplished in the baccalaureate program. Students are admitted each semester.

The **Master of Science in Finance** program begins each Summer and focuses on advanced, practical applications in finance. Most students in the program have an undergraduate degree in finance, but students with undergraduate degrees in related fields are also considered for admission.

The **Master of Science in Management program** with a major in risk management/insurance is taught online. It is designed for professionals who wish to study part-time to advance and enhance their careers in the risk management/insurance industry.

The **Master of Science in Management Information Systems** program prepares students for careers in information systems analysis and design. The program is designed for students with a background in business who are looking to enhance their information systems development skills and/or change careers to management information systems. The program is taught online.

The objective of the **Doctor of Philosophy (PhD) in Business Administration** is to prepare students for careers in university teaching and research. Students receive the Doctor of Philosophy in business administration and concentrate in one of the following areas: accounting, finance, management information systems, organizational behavior and theory, strategic management, marketing, or risk management/insurance.

The Dedman School of Hospitality offers curricula leading to the degrees of **Bachelor of Science (BS) in Hospitality Management** or **Bachelor of Arts (BA) in Hospitality Management**. Students in the Dedman School may major in Hospitality Management or Professional Golf Management.

Certificate and Minor Programs

The **Minor in Entrepreneurship** offers a certificate program for business students (thirteen credit hours) and non-business students (twelve credit hours). The Certificate in Entrepreneurship is designed for students who want to complement their majors with exposure to entrepreneurial concepts and practices. The curriculum will provide students with the tools and confidence to consider starting their own businesses.

The **Minor in Free Enterprise and Ethics** is a twelve-hour course of study which helps students develop an awareness of ethical choices viewed from a variety of economic, societal, civic, legal, and personal value system perspectives, as they relate to business practice in a free enterprise economy. It provides business students experience grappling with the kinds of realistic decisions they will encounter as practitioners.

The **Certificate in International Business** is part of the FSU Global Pathways initiative. Through a course of study which includes required and individually selected courses and activities, students will complement their business majors with global and cultural awareness that will be beneficial for entry-level positions in multinational corporations and domestic-based import/export businesses.

Institutes and Centers

The **Jim Moran Institute for Global Entrepreneurship** provides services to small businesses throughout Florida and provides students with opportunities to consult with and learn from successful entrepreneurs. The **Marketing Institute** conducts a wide range of marketing research and offers developmental support services to professionals in the public transportation, tourism, and sports. The **Carl DeSantis Center for Executive Management Education** sponsors numerous outreach programs that strengthen the relationship between College of Business faculty and the business community. The **Center for Real Estate Education and Research** fosters interaction among students, faculty, and the real-estate community through forums in which executives and world-class scholars exchange ideas and share their insights with students. The **Center for Human Resource Management** facilitates networking among HR professionals and FSU faculty and students, aiming to establish and transfer best practices that support the advancement of human-resource management. The **Florida Catastrophic Storm Risk Management Center** is funded by the State of Florida to support the state's ability to prepare for, respond to, and recover from catastrophic storms. The **Gene Taylor/Bank of America Center for Banking and Financial Studies** encourages excellence in education through research and

service activities related to banking and finance. The **BB&T Center for Free Enterprise** supports initiatives that offer students various perspectives on free enterprise and ethics.

Facilities

The **Charles A. Rovetta Business Building** is ideally located near the center of campus adjacent to Strozier Library and the Oglesby Union. It contains modern classrooms, faculty and staff offices, and numerous support facilities. The **College of Business Technology Center** houses state-of-the-art computer laboratories and training rooms. It provides students access to the latest technology used in business. The **College of Business Undergraduate Programs Office and Advising Center** provides students a wide variety of advising services.

The **Dedman School of Hospitality** is located in the *University Center Building B*, which provides for the specialized academic/training objectives established by the school. In addition to classrooms, this state-of-the-art facility provides hospitality students with teaching kitchens, a technology center, a publication resource center, and a placement center. The building also contains an affiliated professionally managed city club that provides hospitality students with real-world food and beverage experience in elegant surroundings.

Scholarships/Awards

Faculty

The College of Business possesses several eminent scholar chairs and numerous endowed professorships. These prestigious faculty positions are occupied by outstanding scholars. These faculty not only conduct research, but teach at both the graduate and undergraduate levels.

Student Awards and Honors

A number of organizations are available to students in the College of Business. These organizations include service clubs as well as honor societies. The most prestigious honor society in business is **Beta Gamma Sigma**. This national honor society for business students was founded in 1913. The Florida State University chapter was established in 1962. Election to membership is the highest honor one can achieve in academics in the business area. Membership is available to both undergraduate and graduate students and is based upon outstanding academic achievement.

Scholarships

The College of Business offers several types of scholarships and financial aid for both undergraduate and graduate students. At the undergraduate level, the funding sources for the scholarships include the College of Business, specific individuals and firms, and various state and national industry associations. The amount and selection criteria of each award vary according to the program the award supports and the funding source. In addition to scholarships, the College of Business and the University provide numerous opportunities for part-time work as student assistants.

At the graduate level, the College of Business provides a number of fellowships to master's and doctoral students. Graduate research and teaching assistantships are also provided to doctoral students and master's students.

Requirements

All of the undergraduate programs in the College of Business are designated as limited access programs. To pursue any major in the College of Business, students must meet the admission requirements for the limited access program they wish to pursue.

Students should complete the prerequisite courses required for admission during their first three to four semesters of college work. Students attending Florida community colleges should complete the prerequisite courses required for admission while fulfilling general education requirements leading to the Associate in Arts (AA) degree.

Admission Requirements

Admission to the AACSB accredited undergraduate business programs is based on availability of faculty and space in the business departments. For each admission cycle (academic year), a minimum grade point average (GPA) is established by the College of Business that limits enrollment to a number of students consistent with the available faculty and space. The AACSB accredited undergraduate business programs include the following majors: accounting, finance, management, human resource management, management information systems, marketing, professional sales, real estate, risk management/insurance, and entrepreneurship.

To be eligible for admission to one of the business majors above, each student must complete the following requirements:

1. Must have completed at least fifty-two acceptable semester hours;
2. Must have compiled the required GPA (based on all attempted coursework at the college level) that is in effect for the term in which application is made. The required GPA may change each year; information regarding the current required GPA is available at <http://www.cob.fsu.edu>; and
3. Must have completed the following courses with a grade of "C-" or better in each course (or an equivalent course): ACG 2021, ACG 2071, CGS 2100 or CGS 2518, ECO 2013, ECO 2023, MAC 2233, and STA 2023.

Admission to the hospitality management program is based on faculty and space availability in the Dedman School of Hospitality. To be eligible for admission to the hospitality management major or the professional golf management major, each student must complete the following requirements:

1. Must have completed at least fifty-two acceptable semester hours;
2. Must have compiled an overall grade point average (GPA) of at least 2.50 computed on all prior college level work;
3. Must have completed the following courses with a grade of "C-" or better in each course (or an equivalent course): ACG 2021, ACG 2071, CGS 2100 or CGS 2518, ECO 2013, ECO 2023, MAC 1105, and STA 2023.

The required GPA may change; information regarding the current required GPA is available at <http://www.dsh.fsu.edu>.

Academic Policies

1. Students are required to meet graduation requirements specified in the University *General Bulletin* in effect at the time they are admitted to one of the limited access programs in the College of Business, or subsequent *General Bulletins* including the *General Bulletin* in effect at the time they graduate, provided they graduate within a period of six years from the date of first entry.
2. Changes to this *General Bulletin* that have been formally approved prior to Fall 2012, but not in sufficient time to meet publication deadlines, will be effective Fall 2012. Students can receive information on these changes in the undergraduate programs office of the College of Business.
3. All students must complete an official pre-graduation check in the undergraduate programs office of the College of Business during the first three weeks of the semester prior to the semester in which they plan to graduate.
4. All students must apply for graduation through Secure Apps in the myFSU portal during the first three weeks of the semester in which they plan to graduate.
5. In all AACSB accredited undergraduate business programs, a minimum of thirty semester hours of the general business and major area requirements must be completed at Florida State University. Transfer of upper-level business courses must be from business colleges at other senior institutions, must carry prerequisites similar to those of the courses they are replacing, and must be approved by the College of Business. In evaluating this transfer credit, emphasis will be given to courses taken at other AACSB accredited business programs.
6. In the hospitality management program, transfer of hospitality courses from other institutions must be approved by the Dedman School of Hospitality.
7. Students are not allowed duplicate credit hours for courses repeated in which they have made a "D" or better.
8. The only courses offered by the business departments that may be taken on a satisfactory/unsatisfactory (S/U) basis are those courses restricted to S/U grades only.

Requirements for a Minor in Business

Students in non-business programs may complete a minor in general business. Students interested in completing a minor in general business should contact the **College of Business Undergraduate Programs Office** for additional information. This information is also available at <http://www.cob.fsu.edu>. Course availability for students interested in a minor in general business is limited.

The Program in Interdisciplinary Computing

The College of Business supports the Program in Interdisciplinary Computing (PIC) with representation on the PIC Steering Committee. PIC is a non-degree granting program established to develop, support, and promote computing and information technology courses that empower FSU students

to innovate and lead in their respective fields. Courses listed with PIC cover a wide range of computer skills with each course focusing on the application of those skills to the student's discipline. See <http://www.pic.fsu.edu> for more information about PIC and a list of current PIC courses.

COLLEGE OF COMMUNICATION AND INFORMATION

Dean: Lawrence C. Dennis; **Associate Deans:** TBA

The College of Communication and Information offers undergraduate degrees in Communication, Communication Science and Disorders, and Information Technology. These degree programs attract and prepare leaders who take responsibility for meeting the communication and information needs of all people and for engaging a diverse population in solving complex communication and information challenges. A world-wide transformation is changing both the way we communicate and the way we create, store, find, share, and use information. The College's educational programs provide classroom and experiential learning opportunities that help students understand the changing communication and information environment and make communication and information useful and accessible to everyone. If you have a passion for helping others, a desire to be at the heart of communication and information transformations and want to get started on a rewarding and professional career, visit our Web site at <http://cci.fsu.edu> or contact our advisers.

Undergraduate Degree Programs

School of Communication

The School of Communication offers a degree in communication with four majors. These majors are organized according to various applications of communication skills and expertise in our society. Students can receive a major in advertising, public relations, media/communication studies, or media production. Advertising majors focus on account management, creative strategy and media planning. Public relations majors concentrate on public relations writing, tactics, and campaign management skills. These majors prepare for careers in advertising and public relations agencies and organizations. Media/Communication Studies majors are applicable to a number of career fields including law, ministry, speech writing, and lobbying. Media production majors pursue management or production careers in broadcasting, cable, video production and related fields. Visit <http://www.comm.cci.fsu.edu/> for more information.

School of Communication Science and Disorders

The mission of the School of Communication Science and Disorders is to prepare students to demonstrate broad-based knowledge in communication processes and disorders and to integrate theoretical knowledge and research findings with clinical practicum experiences. The curriculum leading to the bachelor's degree combines pre-professional preparation for the graduate program in the school. At the undergraduate level, students are provided experiences relating to the basic processes of hearing, language, and speech. Undergraduate students learn anatomy and physiology of the speech and hearing mechanisms; sound and its perception; the development of language and communication systems; the components of the English sound system; the neurological bases of speech, language, and hearing; basic concepts related to disorders in language, phonology, and fluency; as well as professional issues in communication disorders. The major professional, educational, and clinical experiences occur during graduate studies leading to the master's degree. Visit <http://commdisorders.cci.fsu.edu/> for more information.

School of Library and Information Studies

In the emerging connected society, information, communication, and information technology are ubiquitous and influence almost all forms of human activity. Modern Information Technology (IT) professionals use information and technology to support the goals and cultures of the people and organizations they serve. The School's Bachelor of Science in Information Technology (IT) program offers two programs that prepare graduates who can apply technology innovatively, manage information purposefully, communicate effectively, and work productively with people. Successful information technology professionals determine an organization's information needs and then design, create, and manage information systems to meet those needs. In the IT program, students may major in Information Technology (IT) or in Information, Communication, and Technology (ICT). Students participate in hands-on learning experiences designed to develop and hone leadership skills in communication, technology, teamwork, information management, critical thinking, and problem solving.

The demand for IT professionals continues to grow. The Bachelor of Science in IT offered by the School draws upon the service tradition of the early information fields to educate IT professionals who make a difference in the organizations for which they work and create value through the appropriate

and judicious use of information technology. Specific careers include information architect, network administrator, technical editor/writer, usability analyst, content manager, systems analyst, technology coordinator, and Web developer/administrator. Visit <http://www.slis.cci.fsu.edu/> for more information.

Admissions Information

Programs of study leading to the Bachelor of Arts and Bachelor of Science degrees are offered through the School of Communication Science and Disorders and the School of Communication. Each major within the Schools is part of a limited access program requiring a separate application. Admission to each major is competitive. Interested students should indicate their major preference on their University application and seek advising through the College of Communication and Information. Candidates for the baccalaureate degrees also must comply with general University regulations governing these degrees and must complete the major and minor requirements of one of the schools identified above. See school entries for specific area concentrations and requirements. To be awarded the BA degree, the student must complete the specified university-wide requirements for that degree.

Each major in the BS in IT program in the School of Library and Information Studies is a forty-two semester hour program. Students are eligible to major in information technology or information, communication, and technology after completing a program of liberal studies with an overall grade point average (GPA) of 2.0 or better and after completing specific program prerequisites.

See school entries in this *General Bulletin* and the College Web site, <http://www.cci.fsu.edu/> for specific information regarding each schools' admission requirements.

Requirements for the Second Baccalaureate Degree (Dual Certificate)

A student completing a second bachelor's degree in the Schools must complete at least thirty semester hours at Florida State University, in addition to the required hours for the first degree. The student must complete a new major and a new minor (with no overlap between these and the first major and minor).

Note: To distinguish between second baccalaureates and second majors (also known as double majors), see the appropriate paragraph under "Undergraduate Degree Requirements" in this *General Bulletin*.

Honors in the Major

Communication, Communication Science and Disorders, and Library and Information Studies offer an honors program in the major. It is designed to encourage talented juniors and seniors to undertake independent and original research as part of the undergraduate experience. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Dean's List

Students who in any term carry a full-time course load of twelve or more letter-grade semester hours with a grade point average (GPA) of 3.5 or above earn the distinction of being on the dean's list.

Bachelor's to Master's Degree Program

The College of Communication & Information has developed a combined bachelor's to master's degree program (BS to MS) combining a bachelor's degree in Information Technology or Communication and a master's degree in either the Integrated Marketing Communication or Media and Communication Studies programs in Communication. This program provides eligible undergraduate students the opportunity to take up to twelve semester hours of graduate coursework. These twelve semester hours may count toward both the BS and MS degrees. Check the Web site for more details: <http://www.cci.fsu.edu>.

Graduate Degree Programs

Students making application for admission to one of the school's graduate programs must also apply through the University Office of Admissions see <http://admissions.fsu.edu> for more information.

Communication

The graduate programs in Communication offer several specialized emphases leading to the Master of Arts, Master of Science, and Doctor of Philosophy degrees (see the departmental entry in the *Graduate Bulletin* and the Web site <http://www.comm.cci.fsu.edu/> for more information.)

Communication Science and Disorders

Programs of study leading to the Master of Science, Master of Arts, Advanced Master's, and Doctor of Philosophy degrees in the School of Communication Science and Disorders are described in the *Graduate Bulletin* and on the Web site, at <http://commdisorders.cci.fsu.edu/>.

Library and Information Studies

Established in 1947 as a professional school, the School of Library and Information Studies (SLIS) offers both undergraduate and graduate education. The Master of Arts (MA) and Master of Science (MS) degree programs in Library and Information Studies (LIS) are accredited by the *American Library Association* (ALA). The School is a member of the *Association for Information Science and Technology* (ASIS&T): <http://www.asis.org/>, the *Association for Library and Information Science Education* (ALISE): <http://www.alise.org/>, and is a founding member of the *iSchools* movement: <http://ischools.org/>. Programs of study leading to a Doctor of Philosophy (PhD) degree, a Specialist degree, and a Master's of Science in Information Technology (MSIT), as well as the Master's in Library and Information Studies degrees, are described in the *Graduate Bulletin* and on the Web site at <http://www.slis.cci.fsu.edu/>.

Facilities

The College of Communication and Information offers undergraduate students opportunities to enrich their learning experiences through participation in a variety of research centers, service, classroom facilities, and student professional organizations. These include the **following centers and institutes**:

- Goldstein Library
- Seminole Productions
- L. L. Schendel Speech and Hearing Clinic
- Center for Adult Language Laboratory
- Center for Augmentative and Alternative Communication Laboratory
- Communication and Early Childhood Research and Practice Center
- Center for Hispanic Marketing Communication
- Center for Information Analysis and Organization
- Information Use, Management & Policy Institute (Information Institute)
- Institute for Digital Information and Scientific Communication (iDigInfo)
- Institute for Intercultural Communication and Research
- Neurolinguistic-Neurocognitive Research Center
- North Florida Center for Stuttering
- Partnership for Advancing School Library Media (PALM) Center
- Project Management Center
- Research and Language and Literacy Lab
- Speech and Voice Science Laboratory

In addition, the College provides students with access to state-of-the-art facilities and support through a wide range of computer and media production **labs and technical support services**, including the following:

- IT Help Desk and Computer Lab in the Goldstein Library to provide access to technology support, advanced software systems, and high-end computer systems
- iSpace virtual computer system for developing Web pages and remote applications access
- New Technology center in the William Johnston Building for instruction in networking, databases, media production, health information technology, mobile and enterprise information systems
- Computer classrooms in University Center for advanced media production and statistical analysis
- WVFS, the university's "college radio station"

Students within the college are very active in **professional development organizations** including the following:

- Advertising Club
- American Library Association Student Chapter
- Association of Information Technology Professionals
- Beta Phi Mu Honor Society

- Communication Graduate Student Association
- Forensics (Debate and Speech)
- International Communication Association
- National Student Speech Language Hearing Association
- National Communication Association
- Public Relations Society of America
- STARS Alliance for Broadening Participation in Computing
- Women in Communication
- Women in Computing

The Program in Interdisciplinary Computing (PIC)

The College of Communication and Information supports the Program in Interdisciplinary Computing (PIC) with representation on the PIC Steering Committee. PIC is a non-degree granting program established to develop, support, and promote computing and information technology courses that empower FSU students to innovate and lead in their respective fields. Courses listed with PIC cover a wide range of computer skills with each course focusing on the application of those skills to the student's discipline. See <http://www.pic.fsu.edu> for more information and a list of current PIC courses.

COLLEGE OF CRIMINOLOGY AND CRIMINAL JUSTICE

Dean: Thomas G. Blomberg

Florida State University has one of the oldest criminology programs in the world. The College of Criminology and Criminal Justice at FSU is an intellectual community where students are involved in and learn about advancing criminological research that links science and theory to matters of effective and responsible public policy. The College values scholarly collaboration and emphasizes the importance of research that has real-world implications.

At Florida State University, the discipline of criminology and criminal justice is viewed broadly as encompassing the scientific study of crime, criminals, the lawmaking process, the criminal justice system, crime prevention, and the treatment of offenders. The program is interdisciplinary and integrative in nature, drawing upon many different disciplines and paradigms for theoretical and methodological approaches. Among these disciplines are anthropology, biology, computer science, demography, economics, geography, history, law, philosophy, political science, psychology, public administration, social work, sociology, and urban studies.

The College's programs focus both on theory and on practice in the belief that neither stands alone. Sound practice demands sound theory, and theories are developed and modified through careful study as they are put into practice. Based on this perspective, the undergraduate programs prepare individuals for a career in the criminal justice system, a related field, or additional study at the graduate level in criminology or law.

The College of Criminology and Criminal Justice offers undergraduate and graduate programs leading to the Bachelor of Science (BS) and Bachelor of Arts (BA) in criminology, and in computer criminology; Master of Science (MS); Master of Arts (MA); and the Doctor of Philosophy (PhD). An accelerated bachelor's to master's degree program is offered for qualified criminology and criminal justice students. A distance-learning Master of Science degree program in criminal justice studies is available. Also available is a dual master's degree program with the School of Public Administration and Policy and the College of Social Work. For undergraduates, a certificate is available in criminology (distance learning). A distance learning Bachelor of Science degree program in criminology is also available. Evening courses are offered for undergraduate and graduate students.

Students in the College have an important opportunity for hands-on experience that is afforded by the College's internship program. The University's location in Tallahassee gives students access to extensive research and employment opportunities in various state and federal courts as well as several state correctional facilities, drug treatment facilities, a federal prison, and a variety of private sector institutions and organizations. The Legislature, governor, cabinet, attorney general, and the Florida Departments of Corrections, Probation/Parole, and Law Enforcement are located in Tallahassee. Study in the College of Criminology and Criminal Justice provides access to criminological facilities that match or exceed any in the nation.

University Requirements

All students of Florida State University must fulfill the Liberal Studies Program requirements set forth in the "Undergraduate Degree Requirements" chapter of this *General Bulletin*. Transfer students who have earned an Associate in Arts degree from a Florida public community college or state university will be considered to have met the liberal studies requirement.

Academic Performance and Retention

The College of Criminology and Criminal Justice reserves the right to discontinue enrollment of any student in the College at any time if satisfactory academic progress is not being made. Specifically, students majoring in criminology must make a grade of "C" or better in the three core courses and maintain a major GPA of 2.0. A student who has accumulated three unsatisfactory grades, (D+, D, D-, F, U, IE) in criminology and criminal justice courses taken for college credit at Florida State University or elsewhere, whether repeated or not, will not be readmitted, permitted to continue, or permitted to graduate with a major in criminology or criminal justice.

Students majoring in computer criminology must earn a "C" or better in core courses CCJ 2020, CCJ 3011 and CCJ 4700 and a grade of "C-" or better in all other courses for the major, and maintain an overall GPA of 2.0. Students with more than four grades below "C-" (D+, D, D-, F, U, IE) in criminology, criminal justice, computer science, or prerequisite coursework, whether taken at Florida State University or elsewhere, whether repeated or not, will not be permitted to continue in the major.

A student who applies for readmission to the College must meet the major and degree requirements of the *General Bulletin* in effect on the date of readmission.

Major Requirements for Criminology

To major in criminology, a student must complete thirty-six semester hours in criminology and/or criminal justice studies coursework, including three core courses. The three core courses are Introduction to Criminal Justice (CCJ 2020), Criminology (CCJ 3011), and Introduction to Research Methods in Criminology (CCJ 4700). Two core courses (CCJ 3011 and CCJ 4700) are expected to be taken at Florida State University; CCJ 2020 may be taken at the community college. A minimum grade of "C" must be obtained in each core course. For acceptable core course substitutions, see the department for an approved list. An optional one-semester, full-time (fifteen semester hour) or part-time (eight semester hour) internship is available. If a student chooses to take the internship, only three of the fifteen semester hours will count toward the required thirty-six hours in the major. Students in the major are required to complete either a full-time internship, a minor, or second major in another department or program outside the College of Criminology and Criminal Justice, and must meet all requirements stipulated by the respective department or program.

For students transferring from another four-year university, at least twenty-seven semester hours must be earned at Florida State University in the College of Criminology and Criminal Justice; the University requires that the last thirty semester hours prior to graduation be taken at Florida State University. In addition, all University requirements must be met for either the Bachelor of Arts (BA) or the Bachelor of Science (BS) degrees.

Major Requirements for Computer Criminology

To major in computer criminology, a student must complete fifty-two semester hours in criminology and criminal justice, computer science and mathematics. Students must complete twenty-four hours in criminology and criminal justice and twenty-five hours in computer science coursework, including eight core courses. The required core courses from criminology and criminal justice are CCJ 2020, CCJ 3011, CCJ 4700, and CJE 3110. The required core courses from computer science are CDA 3100, COP 3014, COP 3330, and COP 3353. A total of six hours of capstone coursework representing criminology and criminal justice and computer science is required. Students must also complete three hours of Discrete Math (MAD 2104). From an approved list, students must choose nine additional hours in criminology and criminal justice and twelve additional hours in computer science coursework. Students must earn a grade of "C" or better in CCJ 2020, CCJ 3011 and CCJ 4700, a "C-" or better in all other courses for the major, and maintain an overall GPA of 2.0. A minor is not required.

For students transferring from another four-year university, transfer courses within the major are evaluated on an individual basis; the University requires the last thirty semester hours prior to graduation be taken at Florida State University. In addition, all University requirements must be met for either the Bachelor of Arts (BA) or the Bachelor of Science (BS) degrees.

Approved criminology and criminal justice and computer science courses include: CCJ 3644, CCJ 3666, CCJ 4497, CCJ 4614, CJC 3010, CJE 4610, CJJ 4010, CJL 3510, CJL 4064.

Internships

A variety of internships are available at the local, state, and federal levels. Internships can be chosen from the fields of law enforcement, courts, corrections, criminal justice planning, criminological research, and private sector opportunities. The internship is available for juniors and seniors who have completed the core courses (CCJ 2020, 3011, 4700). The intern receives a satisfactory/unsatisfactory (S/U) grade, and full credit is given upon successful completion of both the academic component and the work hours.

Students are advised that information pertaining to all matters of public record, such as arrests and convictions, may be required by the agencies accepting interns. Although a reasonable effort is made to place a student in an internship, the University will not be liable if a student cannot be placed. Students are responsible for all living and transportation expenses during the field experiences.

Minor Requirements

A minor in criminology may be obtained upon completion of four classes. Introduction to Criminal Justice (CCJ 2020) and nine additional semester hours in criminology and criminal justice are required for a total of twelve hours. CCJ 2020 may be taken at the community college prior to admission to Florida State University. Students cannot take CCJ 4905r, Directed Individual Study, CCJ 4933r, Seminar in Criminology, or CCJ 4938r, Special Topics in Criminology, to fulfill the minor. Grades of "C-" or better are required for all coursework in the minor.

Certificates

The College of Criminology and Criminal Justice offers a distance learning certificate program in criminology.

Honors in the Major

The College of Criminology and Criminal Justice encourages eligible students to participate in the honors in the major program. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Bachelor's to Master's Degree Program

The College of Criminology and Criminal Justice offers a combined bachelor's to master's degree program (BS to MS). This program provides eligible undergraduate students the opportunity to take up to twelve semester hours of graduate coursework (with the permission of the appropriate instructor). These twelve semester hours may count toward both the BS and MS degrees.

Program Requirements

Participants in the BS to MS program must:

1. Have completed ninety semester hours of undergraduate coursework
2. Have a minimum GPA of 3.25
3. Be a major/double major in the College
4. Take the GRE and earn a score between 148 and 160.
5. Meet with an academic adviser to determine eligibility for the combined degree program

Note: Enrollment in the combined program does not guarantee acceptance to the graduate program in the College of Criminology and Criminal Justice. Students must still apply to the graduate program and meet all graduate requirements to earn the master's degree. Effective August 2011, the GRE Revised General Test replaced the GRE General Test. To learn more about this new test, go to <http://www.ets.org/gre>.

Student Activities

Alpha Phi Sigma is the nationally recognized honor society of students in the College of Criminology and Criminal Justice. The society recognizes academic excellence of undergraduate and graduate students with a declared criminology/criminal justice major or minor. To become a member, a student must have completed one third of the total hours required for graduation at his or her institution. The local chapter adviser or faculty member must recommend the student. Undergraduate students must maintain a 3.2 overall GPA and a 3.2 in their criminology and criminal justice courses. Students must also rank in the top 35% of their class and have completed a minimum of four courses within the criminology and criminal justice curriculum. Graduate students are required to maintain a GPA of 3.4 in all courses. For additional information about the history of Alpha Phi Sigma and application forms, please stop by the Student Services Office in the Hecht House.

The American Criminal Justice Association-Lambda Alpha Epsilon is devoted to continuing high levels of professionalism in all areas of criminal justice. Any student committed to the field of criminal justice is invited to participate. The chapter holds regular meetings to provide members opportunities to exchange ideas and information. The Lambda Chapter of ACJA has much to offer students, including a pistol team, a crime scene team, and an academic team.

Scholarships, Awards, and Financial Aid

There are several scholarships available to students majoring in criminology and criminal justice or in computer criminology. The online application can be found at <http://criminology.fsu.edu/scholarships>. A committee appointed by the Dean selects the recipients.

Undergraduate scholarships and awards include: **Frank A. and Lynn W. Baker, Eugene and Rosalind Czajkoski, Corey D. Dahlem, Jerry A. and Carolyn S. Glass, Kelley R. Ivey, Ernest Kearns Ponce De Leon, Relgalf, James C.**

Sweat, Frederick Simon Family Memorial, Doyle E. Young Endowed Memorial, sgt. Daniel "Dale" Green Memorial, and Rob Williams. In addition, the **Robert L. Clark Memorial Award, Joe Harris Memorial Award, and The Florida Sheriffs Association Law Enforcement Academy Scholarship** are presented yearly to outstanding graduate students.

Small loans are available to undergraduates from the **Tompkins Student Loan Fund**. Further information on loans, grants, work-study opportunities, and scholarships is available from the College or from the University's *Office of Student Financial Services*.

COLLEGE OF EDUCATION

Dean: Marcy Driscoll; **Associate Dean for Academic Affairs:** Amy R. Guerette; **Associate Dean for Faculty Development:** James Sampson; **Assistant Dean and Chair, School of Teacher Education:** Larry Scharmann

Teacher education at Florida State University is conducted within a conceptual framework that engages faculty, professional partners, and teacher candidates in a continuing process of preparing educational leaders for our global and diverse society. Florida State University prepares educational leaders who uphold high professional and academic standards and employ scientific inquiry and assessment as a basis for the continual improvement of student learning. They address the needs and abilities of diverse students through the use of appropriate instructional strategies and technology. These qualities are developed as candidates study and work within a community of professional partners.

The primary purpose of the College of Education is to prepare teachers and a variety of human services practitioners for a wide range of educational careers. The faculty of the College of Education provides experiences that enable students to acquire the professional competencies required by each field.

The College believes that all of its students should acquire a solid grounding in the liberal arts, as well as an understanding of human learning and behavior and social action. The responsibility for meeting these academic goals is shared by the College of Education and its collaborative partners in other units within the University and around the state.

The College of Education offers undergraduate programs leading to the Bachelor of Arts or Bachelor of Science degree in nine fields of study (majors). These programs prepare students for positions primarily in elementary and secondary schools, colleges and universities, vocational centers, and organizations that provide counseling services, recreational services, athletic training, or instructional design.

Undergraduate Departments, Majors, Certificates, and Teacher Preparation Programs

Department of Educational Leadership and Policy Studies

Certificate in Leadership Studies, Undergraduate

School of Teacher Education

Early Childhood Education
 Education of Students with Exceptionalities
 Elementary Education
 English Education
 FSU-Teach Program in Secondary Science or Mathematics Teaching
 Social Science Education
 Visual Disabilities
 Visual Disabilities Studies (Non-certification)

Department of Sport Management

Sport Management

Admissions Standards for University Educator Preparation Programs

All teacher education programs at Florida State University are governed by State of Florida Department of Education rules and the National Council for Accreditation of Teacher Education standards. These rules require that all students must meet specific criteria to be admitted into a teacher education program. See 'Planning Guide to Teacher Education Programs' later in this chapter.

In addition, early childhood education, education of students with exceptionalities, elementary education, and visual disabilities education are *limited enrollment* programs with capped enrollments. Students who satisfy the minimum requirements listed in this *General Bulletin* are not guaranteed admission to these programs. Admission to limited enrollment programs is competitive and regularly exceeds the minimum qualifications described in the next section.

Many departments have retention and exit standards that exceed normal University requirements. Refer to the department section for specific admission requirements and check with a departmental adviser.

The College of Education is committed to increasing the proportion of teacher candidates who have historically been underrepresented among Florida's public school teachers. Applicants representing such groups are encouraged to apply.

Planning Guide to Educator Preparation Programs

Florida Statute 1004.04 and State Board of Education Rule 6A-5.066

Florida State University's teacher education programs stress the importance of democratic values and institutions, the contributions of various ethnic groups to society, and the development of individual character as a means for appreciating the diversity of a pluralistic society. Students planning to complete one of the following undergraduate teacher education programs at Florida State University must meet all the conditions listed below to be granted the baccalaureate degree.

Undergraduate Educator Preparation Programs at Florida State University

- Art Education (College of Visual Arts, Theatre, and Dance)
- College of Education (see listing earlier in this chapter of the *General Bulletin*)
- FSU-Teach Program (double major with College of Arts & Sciences for those who wish to teach mathematics and/or science, grades 6-12)
- Music Education (College of Music)

Educator Preparation: General Education Requirements

Note: Students should consult with an adviser to determine how to simultaneously satisfy Florida State University liberal studies requirements and the teacher preparation general education core curriculum requirements.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into upper-division teacher education degree programs:

Education Core Prerequisites

1. EDF X005
2. EDF X085
3. EME X040

In addition to EDF X085, the student must take six additional semester hours with an international or diversity focus. The eligible courses will be determined by the institution where the student is currently earning his or her Associate in Arts (AA) or baccalaureate degree. Foreign Language courses may be used to meet this requirement. Education courses may not be used to meet these communications, mathematics, natural and/or physical science, humanities, or social science requirements. Contact department and/or adviser for details.

Department/Program Prerequisites

See department listings in the *General Bulletin* for each department/program's specific prerequisite requirements.

Common prerequisites and admissions criteria for state-approved teacher preparation programs are subject to revision based on changes in Section 1004.04, Florida Statutes, Public Accountability and State Approval for Educator Preparation Programs, State Board of Education Rule 6A-4.0021, Florida Teacher Certification Examinations, and State Board of Education Rule 6A-5.066, Approval of Educator Preparation Programs.

Criteria for Admission and Application to a Teacher Education/Educator Preparation Program

1. Have at least a 2.5 (on a 4.0 scale) grade point average (GPA) on all attempted college-level credits
2. Have a grade of “C–” or better in each required general education (liberal studies) English and each general education (liberal studies) mathematics course
3. Take and achieve a passing score on all sections of the General Knowledge portion of the Florida Teacher Certification Exam
4. Complete an application for admission to a teacher education program in the Office of Academic Services and Intern Support, *2301 Stone Building*. **This step is distinct from admission to the ‘upper division’ college or school.**
5. Be approved by the appropriate teacher education department in accordance with departmental criteria
6. Be admitted to Teacher Education, a Florida Department of Education status requirement recognizing candidate eligibility for certification (application available in *2301 Stone Building*)
7. Receive final approval by the Office of Academic Services and Intern Support.

Professional Behaviors and Dispositions: While enrolled in teacher education programs, the student is expected to demonstrate behaviors and dispositions that conform to the “Code of Ethics” (State Board of Education Rule 6B-1.00, FAC) and the “Principles of Professional Conduct in Florida” (State Board of Education Rule 6B-1.006 FAC). The programs reserve the right to refuse or discontinue enrollment of any student who violates these expectations or in the judgment of a majority of the program faculty does not meet the program standards.

Note: These are minimum standards. Many programs have higher standards.

Note: There is no required minimum composite score on the ACT or the SAT for admission to Teacher Education. However, programs with limited enrollment status may require submission of the score and may use that score in determining which students will be admitted.

Subject Area Specialization/Professional Education/Clinical Experience Curricula

1. At least thirty semester hours completed in the subject specialization area as determined by the student’s program
2. Professional education coursework to include: (a) reading-literacy acquisition for the appropriate certification level; (b) integrated classroom management, school safety, professional ethics, and educational law; (c) human development and learning; and, (d) assessment to include understanding the content measured by state achievement tests, reading and interpreting data, and using data to improve student achievement;
3. A series of clinical experiences in diverse settings throughout the program that culminates with a full-time student teaching experience of at least ten weeks duration in an approved setting; and
4. A Level II Security Check is required for all FSU students who will have direct contact with PreK-12 students. Students should be aware that if you have been arrested for certain crimes you may not be considered for a teaching position. Fingerprinting and Level II-background clearance are required for any placement in a PreK-12 setting.

Note: Students should consult with a program adviser for specific course requirements.

Program Completion Requirements for candidates in the School of Teacher Education

Students must complete the following requirements to graduate from a teacher education program:

1. Maintain an overall GPA of 2.5 or above in all upper-division coursework (some programs may require a higher GPA)
2. Demonstrate achievement of standards and completion of specific coursework requirements set by the program
3. Meet all University graduation requirements, including requirements mentioned above under ‘Planning Guide to Teacher Education Programs’
4. Achieve a passing score on the General Knowledge, Professional Educator, and Subject Area portions of the Florida Teacher Certification Exam (FTCE) prior to entry to the final-term internship

5. Successfully complete the student teaching experience including successful demonstration of the Florida Educator Accomplished Practices (FEAPs) at the pre-professional level
6. Receive verification from the appropriate academic program of successful demonstration of the Florida Educator Accomplished Practices (FEAPs) at the pre-professional level, which includes the knowledge, skills, and dispositions necessary to help all students learn; and
7. Obtain final approval of the appropriate academic program and the Office of Academic Services and Intern Support.

Recommendation for a Teaching Certificate

Upon completion of an approved teacher education program and conferral of a degree from Florida State University, students are eligible to receive a recommendation for a standard teaching certificate.

Honors Program

The College of Education offers honors in the major work in several departmental and interdepartmental programs. For requirements and other information, see the “University Honors Office and Honor Societies” chapter of this *General Bulletin*.

Professional Training Option

The College of Education offers a Florida Department of Education-approved Professional Training Option (PTO) for undergraduates considering Alternative Certification. If the student is considering Alternative Certification as a post-baccalaureate career option, completion of the PTO provides fifteen credit hours of educational methods and pedagogy that, at the discretion of the Florida Bureau of Educator Certification, may be used in *partial* fulfillment of the requirements for professional licensure in one of the middle and secondary (grades six through twelve) certification areas.

- Classroom Assessments (3)
- Education Psychology: Developing Learners (3)
- Literacy Across the Content Areas (3)
- Teaching English to Speakers of Other Languages (3)
- Foundations of Teaching (3)

Note: Successful completion of the PTO requires grades of “C–” (C minus) or better in each required course AND, as a corequisite, conferral of the Bachelor’s degree from Florida State University. The PTO also serves as an official minor for undergraduates whose major requires an outside minor for graduation.

Availability of seats is limited and academic departments reserve the right to restrict methods and pedagogy courses to students formally admitted in their respective programs. Be advised that the College makes no commitment as to the rotation and availability of individual courses in the PTO. Students must notify the Office of Academic Services and Intern Support (OASIS) in *2301 Stone Building* upon completion of all five courses in order to have the official PTO statement posted to their official transcript.

Emphasis in Special Education

Undergraduate students currently enrolled in the School of Teacher Education who wish to earn an emphasis in Special Education may choose to complete the following sequence of courses for a total of twelve semester hours. **An emphasis in Special Education does not constitute adequate preparation for teacher certification in Florida or any other state.**

EEX 4770 Study of Human Exceptionality (3)

And any **three** of the following courses:

EEX 4050 Introduction to Learning and Behavior Disorders (3)

EEX 4751 Collaboration with Families, Schools, and the Community (3)

EEX 4014 Introduction to Mental Disabilities (3)

EVI 4011 Introduction to Visual Disabilities (3)

EEX 4201 Typical and Atypical Development and Learning (3)

Office of Academic Services and Intern Support (OASIS)

The Office of Academic Services and Intern Support (OASIS) provides a wide array of professional and administrative services to students and faculty in the College and throughout the University. Under the direction of the Associate Dean for Academic Affairs, OASIS is responsible for:

1. providing centralized academic advisement for Basic Division students interested in majoring in education;
2. collecting and processing applications for admission and readmission to the College of Education;
3. maintaining the Dean’s academic records for all students formally admitted to COE programs;

4. monitoring students' progress toward the degree;
5. collecting and processing applications for admission to teacher education programs;
6. conducting graduation checks and clearing students for teacher certification;
7. for providing other consultative and administrative services for the students and faculty in the College.

OASIS is also responsible for the assignment and placement of teacher candidates in their final-term student teaching experiences. The Intern Coordinator works with teacher education programs in the University and the public schools of Florida in the organization of student-teaching placements and the selection of supervising teachers for candidate internships. Faculty members work closely with supervising teachers and candidates in the planning and coordination of the student teaching experience. **OASIS is responsible for the final identification and screening of all students who make application for student teaching.**

Students are assigned to the student teaching experience in the counties listed below. **Academic programs have the discretion to establish a minimum group size of two or more student teachers per county. Academic programs may also restrict placement to particular counties.** Exceptions to this policy will be made only through successful appeal on the part of a student to the University Student Teaching Appeals Committee. Candidates representing communication disorders, visual disabilities, music, school media, and school psychology will also be concentrated in those counties listed but may be placed in additional locations should program certification requirements so dictate. Student Teaching assignments are subject to availability and district and school or agency acceptance. Therefore, placements are not guaranteed.

Placement Locations

- **Area I:** Gadsden, Jefferson, Leon, Madison, Taylor, and Wakulla counties
- **Area II:** Bay, Calhoun, Franklin, Gulf, Jackson, Liberty, Okaloosa, Walton, Holmes, and Washington counties (Area II placements are restricted to candidates enrolled in COE programs at the Panama City Campus.)
- **Area III:** Orange and Lake counties
- **Area IV:** Hillsborough, Manatee, Pasco, Pinellas, Polk, and Sarasota counties
- **Area V:** Pembroke Pines K-5 Charter School in Broward County
- Florida State University College of Education Professional Development Schools
- Other areas as determined by the University Director of Teacher Education

Academic programs are expected to inform their students of departmental placement policies well in advance of the semester of student teaching so that students may have the opportunity to plan appropriately. Also note that final term placement is conditionally based on the successful completion of all relevant program requirements, including passage of all required sections of the Florida Teacher Certification Exam (FTCE), and acceptance by an approved school district or agency.

Applicants are specifically not guaranteed assignment to their home county nor to the immediate and general vicinity of the campus. Submission of an application by a candidate constitutes an agreement to accept assignment in the school and county where it is determined that the candidate's academic program objectives for student teaching can best be achieved.

A candidate is expected to meet professional standards as expressed in the pertinent school laws of the state of Florida. Candidates are also informed that, consistent with applicable law, information pertaining to all matters of public record, such as arrest and/or convictions in a court of law, may be routinely furnished to public schools as well as prospective employers. Finally, **finger-printing** and **Level II-background clearance** are required for final-term placement in a public-school setting.

Application to Student Teaching

An application to student teaching must be submitted to OASIS, 2301 Stone Building, according to the following schedule:

Spring Semester	No later than the deadline published in the Student Teaching Calendar.
Fall Semester	No later than the deadline published in the Student Teaching Calendar.

Note: Application materials, the Student Teaching Calendar, and the Student Teaching Handbook are only available online at <http://www.coe.fsu.edu/oasis/studentteaching/futurestudentteachers>. All student teachers are required to purchase a student teaching handbook for their cooperating teacher.

Eligibility Requirements for Internship Placement

To be eligible for final field placement as a student teacher, candidates must complete the following steps:

1. Admission to teacher education outlined above under 'Criteria for Admission and Application to a Teacher Education Program'
2. Successful completion of at least one semester of residence at Florida State University
3. Successful completion of all required courses prior to the student teaching semester
4. Successful completion of subject area specialization and professional education coursework outlined above under 'Subject Area Specialization/Professional Education/Clinical Experience Curricula' prior to student teaching
5. Achievement of an overall GPA of 2.5 in all upper-division coursework (a higher GPA may be required by some academic programs for particular core courses)
6. Achievement of senior status (or graduate standing for ESE majors in the combined BS/MS program); and
7. Successful completion of specific clinical experiences as required by the program or University (see <http://www.coe.fsu.edu/Student-Academic-Services-OASIS/Student-Teaching/Future-Student-Teachers>).

FAMU-FSU COLLEGE OF ENGINEERING

Dean: Yaw Yeboah; **Associate Dean:** Reginald Perry; **Assistant Dean:** Braketta Ritzenthaler

The accelerating pace of technological developments has created an ever-increasing demand for highly qualified, professional engineers to maintain the high-tech momentum already achieved and to extend and direct its course. Expanding population and corresponding demands for new products, structures, designs, and improved services have posed new challenges to present and future engineers. Accordingly, the College of Engineering, through its curricula, strives to educate and train engineers to use scientific knowledge and problem-solving skills to determine the best solutions to the problems of today and the future.

It is expected that students who conscientiously apply themselves and successfully complete one of the broad engineering programs will not only be technically trained, but also humanistically and socially educated, and thereby be well prepared to make a significant contribution to the world in which they work.

An engineering student can pursue any one of several career plans, according to personal ambitions, interest, and abilities. The student may pursue the Bachelor of Science degree or an advanced research-oriented graduate program leading to the Master of Science or Doctor of Philosophy degrees.

An engineer usually works as a member of a team in solving a problem or designing products or processes. The engineer's responsibility may include some of the following: (1) the conception of an idea, including a careful delineation of the problem; (2) the design of an item or process, including operational and production requirements; (3) the selection of materials; (4) the determination of markets; (5) the assessment of sociological effects and determination of methods for controlling these effects; (6) the design or selection of machines for production; and (7) the control of costs. Currently, over two-thirds of all technical positions and a large percentage of managerial positions in industry are occupied by engineers.

History and Goals

The FAMU-FSU College of Engineering was authorized by the 1982 legislature as a joint program between Florida Agricultural and Mechanical University and Florida State University. The joint nature of the College allows a student to register at either Florida A&M University or Florida State University and receive a degree in any of the College's programs. A student entering the College applies for admission through one of the two universities and must satisfy the admission and general degree requirements of that university. The degree is granted through the College of Engineering by the university where the student is registered while completing upper-division studies. All College of Engineering classrooms and administrative and faculty offices are housed in a modern engineering complex located at 2525 Pottsdamer Street adjacent to Innovation Park.

Mission

The mission of the College is to provide an innovative academic program of excellence at the graduate and undergraduate levels, judged by the highest standards in the field and recognized by national peers; to attract and produce greater numbers of women and minorities in professional engineering, engineering teaching, and research; and to attain national and international recognition of the College through the educational and research achievements and the professional service of its faculty and students.

Programs and Degrees

The College offers professional programs of study leading to the Bachelor of Science, the Master of Science, and Doctor of Philosophy in chemical, civil, electrical, industrial, and mechanical engineering; a Bachelor of Science in computer engineering; and a Master of Science and Doctor of Philosophy in biomedical engineering. All undergraduate degree programs are accredited by the Engineering Accreditation Commission of ABET Inc., <http://www.abet.org>, the recognized accreditor for college and university programs in applied science, computing, engineering, and technology. The College also offers interdisciplinary specializations in bioengineering, biomedical, environmental, and materials engineering. More complete information can be found at the College Web site (at <http://www.eng.fsu.edu>) and in the department sections of this *General Bulletin*.

Facilities

The College occupies over 200,000 sq. ft. of classroom, office, and laboratory space in a building complex especially designed for engineering education. It is located off the main campus of the university, in an area adjacent to Innovation Park, which also houses the National High Magnetic Field Laboratory, the Center for Advanced Power Systems (CAPS), the High Performance Materials Institute (HPMI), the Aero-propulsion, Mechatronics and Energy Center and other university, public and private organizations engaged in research, development, and clean industry operations. Each department of the College operates specialized laboratories for teaching and research that are listed in the College description of programs. The College operates a computing facility, a library and reading room, as well as machine and electronic shops for the common use of all programs.

Library

The mission of the College of Engineering Library is to support and enhance the learning, teaching, research, and service activities of the FAMU-FSU engineering communities by providing organized access to quality information in all formats, promoting information literacy, preserving information, and engaging in collaborative partnerships to disseminate ideas to advance intellectual discovery. The main book and journal collections for engineering are housed in the Dirac Science Library at Florida State University and in the Coleman Library at Florida A&M University. The newly renovated College of Engineering Library is a satellite for both university libraries and houses a small collection along with extensive access to electronic collections. Materials not available at the library may be requested through Interlibrary Loan or U-Borrow.

The Library is staffed by a full-time librarian and several assistants who offer research assistance in person, over the telephone, and via e-mail and text. Instruction in library and information literacy is available to classes and groups upon request.

Library services also include Flip video cameras, laptops, headphones, and other technology that is available for check out upon request. Group study tables, lounging stations, and tutoring areas were all part of the innovative transformation of the engineering library in May 2011.

Computing Facilities

Students have access to various computing resources at the College of Engineering. Due to the unique requirements of engineering computing and the off-campus location of the College, the College is relatively autonomous in providing service to engineering students. The College has over 2,000 computing devices connected to its local network, managed by the College's Communication and Multimedia Services (CMS) unit. Computers connect to the College's network via 1Gbps and 100Mbps Ethernet connections. Over 200 high-end Intel-compatible workstations are provided for general student use. These computers are housed in four labs: one of the computer labs is open twenty-four hours a day when classes are in session, while the other three are used primarily as classrooms. The College also provides workstations in public areas that are available to students twenty-four hours a day, 365 days a year. A group of Sun Solaris and Linux servers backed by a Storage Area Network, as well as a number of independent Solaris, Windows, and Linux server platforms, provide a range of computing services to the College user community. CMS continues to evaluate and upgrade computer capabilities as computational needs grow. Additionally, both universities provide on-campus facilities that are available to all students. To support the instructional and research missions of the College, a variety of software packages are provided, including major general-purpose packages, as well as special applications oriented toward particular disciplines. The College's research labs contain dozens of computational systems to provide enhanced research capabilities including complex number crunching for simulations. College researchers also take advantage of shared computational clusters located at the College and at each university. The College's computing infrastructure uses high-end core router/switches interconnected to edge switching via gigabit fiber. The College Internet connection is a gigabit link connecting through the Florida State University backbone (Florida State University acts as the Internet services provider for the College) allowing for fast access to the Internet2 and the LambdaRail network. Florida A&M University's computing facilities are also connected to the Tallahassee MAN, thus providing a link to the College for its students. In addition to the local wired network, the College provides

wireless LAN services throughout the facility for students who may want to use their own laptops to connect to the College's computing resources. The College has state-of-the-art instructional classrooms. The multimedia equipment in every classroom generally includes LCD projector, overhead projector and/or document camera, VCR, and sound system. The ceiling-mounted LCD projector is used for large-scale projection and is linked to the PC at the instructor's console. Multiple rooms are used for distance learning and the Florida Engineering Education Delivery System (FEEDS); these rooms have two studio cameras and one document camera connected to a desktop PC with a scan converter to display Web pages. Distance delivery of classes to/from the FSU Panama City campus occurs regularly, and distance-learning collaborations with other universities are frequent. Live and recorded programs, classes, and events are streamed via the Internet to authorized viewers. Multi-point IP videoconferencing is also available.

Supporting Facilities

Other nearby resources include the Office of Technology Integration (OTI); the National High Magnetic Field Laboratory (the 'Mag Lab'); the Center for Advanced Power Systems (CAPS); the High Performance Materials Institute (HPMI); and the Aero-propulsion, Mechatronics and Energy Building. The college also operates the Tallahassee Challenger Learning Center, a K-12 STEM outreach facility serving the Southeast region of the U.S. Located in downtown Tallahassee, the Center houses a 3-D IMAX theatre, planetarium, and Challenger Space Mission and Control Center. Other supporting facilities are Northwest Regional Data Center (NWRDC), Florida Department of Transportation research facilities, WFSU Public Broadcasting television and radio stations, as well as FAMU Computing Services.

Scholarships

Thanks to the donations from industry partners, educational programs, and private donors, the College of Engineering is able to offer a limited number of scholarships to qualified engineering students. Students can obtain scholarship information from the Office of Associate Dean for Student Affairs and Curriculum or by visiting the College Web site at <http://www.eng.fsu.edu/scholarships/>.

Career Services

The College provides a Career Center Office for students to obtain career related services. In addition, the University maintains a satellite office in the College Career Center to assist students in career and employment advising, including resume, cover letter, and personal statement writing, internship co-op opportunity, and permanent job searches nationwide. Career Center staff also aid in preparing engineering students for interviews and presentations at career expositions, such as Engineering Day in the Fall and Spring semesters.

Honors in the Major

The College of Engineering offers honors in the major in several departmental programs. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Requirements for Admission and Retention in an Engineering Major

Engineering is a demanding discipline, and students majoring in engineering must follow a required sequence of courses and achieve a high level of proficiency. All engineering students are subject to a uniform set of academic requirements agreed to by both FAMU and FSU, in addition to any other academic requirements stated in the respective university catalog and bulletin. These requirements, which are reviewed and revised as needed by the College of Engineering, have been established to ensure that program graduates receive a quality education and make progress toward satisfying engineering major degree requirements.

Pre-Engineering Requirements

All first-year engineering students (first-time-in-college or first-year transfer students) are initially coded as pre-engineering students until they satisfy the following pre-engineering requirements:

1. Students must have an overall GPA of 2.0 or better and achieve a grade of "C" or better in EGN 1004L First Year Engineering Laboratory (1 hour), Calculus I, Calculus II, General Chemistry I, and General Physics I from any institution attended. Intended Chemical Engineering students shall replace General Physics I with General Chemistry II. A single repeated attempt in only **one** of the five courses listed above with no more than one grade of "C-" is allowed. A student may be eligible to receive an exemption from having to complete the First-Year

Engineering Laboratory course if he/she is seeking a second bachelor's degree, or has completed a similar course at another institution, or transfers into the College already with credit for all of the other pre-engineering courses listed above. Students should contact the College of Engineering if they feel they qualify for an exemption. Any student who transfers out of pre-engineering before completing the course and then desires to transfer back to engineering must complete the course or its equivalent. Any student who needs two repeated attempts to complete the five courses or has two or more grades of "C-" may be considered for continuation in engineering if additional grade and coursework requirements are satisfied. Contact the Office of Student Services at the College of Engineering for details. Any student who needs three or more repeated attempts to complete the five courses listed above does not satisfy this requirement and will not be allowed to continue in the engineering program.

2. Once a pre-engineering student satisfies all of the pre-engineering requirements, he/she may visit the Office of Student Services to initiate the transfer process to his/her intended engineering major prior to the beginning of the following semester.

Course Grade Requirement and Practice

1. It is the practice of the College not to use "plus and minus (+/-)" grading for any undergraduate engineering course.
2. Engineering majors must earn a grade of "C" or better in all engineering courses that apply toward the degree. This requirement may be waived by the academic dean upon recommendation from the department chair for no more than one such course; and
3. A student who is failing a course cannot receive a grade of Incomplete (I). Students who receive a grade of Incomplete must complete all course requirements during the next term of the student's enrollment.

Repeated Course Attempts Policy

A student who fails to earn a grade of "C" or better after a second attempt in the same engineering course or who has an excessive number of repeated engineering course attempts may be transferred from his/her current engineering major to the pre-engineering major. The student may be reinstated back to his/her original engineering major only upon the approval of his/her academic department.

Engineering Course Prerequisites Policy

It is the student's responsibility to be aware of the prerequisites of an engineering course prior to enrollment in that course. A student may contact the engineering dean or department chair for additional information concerning course prerequisites and this policy. Failure to fulfill course prerequisites may result in the removal of the course from the student's enrollment at any time during the semester, with no refund of tuition or fees.

College of Engineering Council of Student Affairs and Curriculum

The College of Engineering Council of Student Affairs and Curriculum has been assigned the responsibility to ensure that these academic requirements are equitably and consistently applied to all engineering students.

Course Withdrawal/Drop Policy

The Course Withdrawal/Drop Policy at the College of Engineering is different from the policy used by the University. Students who seek to withdraw from the University or drop a course should do so by the drop deadline established by the College of Engineering as outlined below:

1. **Current Semester Withdrawal/Drop**
Engineering students may drop from any course in the current semester for any reason up to the end of the seventh week of classes. Between weeks seven and ten of each semester is considered the Engineering "Late Drop" Period. All pre-engineering students and those classified as Basic Division (BD) are limited to a total of two "late drops" during their tenure in the pre-engineering or Basic Division programs. Students who have reached their "two late drops" limit will not be permitted another late drop until they enter their intended engineering major and leave Basic Division. Students who are coded in a degree granting engineering major and are classified as Upper Division (IE) are permitted an unlimited number of "late drops." Students wishing to withdraw from the University by dropping all of their courses may do so up to the end of tenth week deadline. Engineering students will not be permitted to drop or withdraw after the tenth week deadline except

in documented cases of administrative error, death in the immediate family, personal illness, or military service obligation. The drop/withdrawal deadlines are posted on the College of Engineering Web site (<http://www.eng.fsu.edu>) each semester. Students will be responsible for the grade they receive in all courses they are enrolled in any semester once the course drop/withdrawal deadline has passed.

2. Retroactive Withdrawal/Drop

A student may apply for a retroactive drop or withdrawal in a course which the student received a grade of "D" or "F" for extenuating circumstances beyond the control of the student. Extenuating circumstances must fall into one of these four categories: (1) personal illness, (2) death of an immediate family member, (3) military service, or (4) administrative error. Each application is reviewed by a committee of engineering faculty to determine the merit of the request. Applications must be submitted before the deadline set each semester. This deadline is posted on the College of Engineering Web site (<http://www.eng.fsu.edu>). Additionally, no application for a course withdrawal will be accepted beyond one year from the semester in which the course was attempted.

Transfer Students

Students who plan to enroll in another institution for the first two years and then transfer into the College of Engineering should use great care in selecting freshman and sophomore coursework. To be admitted to an engineering major, transfer students must have satisfied the same pre-engineering requirements as students who take all their coursework at FSU. Transfer students who will earn an AA degree prior to enrollment at the College must have completed Calculus I and at least one other pre-engineering course (excluding First-Year Engineering Lab) listed in the Pre-Engineering Requirements section above. Students are strongly advised to consult with the College as early as possible concerning their first two years of study. Students who transfer out of an engineering major and then desire to transfer back to the college may be subject to additional academic requirements before their request to transfer is considered. Please consult with the Office of Student Services for more information.

Bachelor of Science Degree Requirements

A student who has taken a college preparatory curriculum in high school including algebra, geometry, trigonometry, physics, and chemistry can complete the requirements for the Bachelor of Science degree in four years and one Summer with an average load of sixteen hours per semester. A student with superior high school training may take advantage of opportunities for advanced placement through the University's programs for acceleration. In order to satisfy the State of Florida, Division of Colleges and Universities, requirement of Summer attendance, it is recommended that students enroll in the Summer session at the end of the first year. Students who are not prepared to begin with Calculus I (MAC 2311) may need to attend one or more additional Summer sessions.

The engineering curriculum is made up of five components: liberal studies, first-year engineering laboratory, engineering core, required courses in the engineering major area, and technical electives.

Liberal Studies

All students must meet University requirements for baccalaureate degrees stated in the "Undergraduate Degree Requirements" chapter of this *General Bulletin*. Of the thirty-six semester hours required in liberal studies, thirteen of these semester hours are automatically satisfied by the engineering core courses listed herein. The engineering student must take a total of twenty-four semester hours in the areas of English, history, humanities, and social sciences. Students unprepared to begin calculus at the university level must, of course, also complete the necessary mathematics coursework preparatory to calculus. All prospective engineering students should select humanities and social science courses to meet University requirements.

Engineering Core

All graduates of the College must master a common body of knowledge about their profession. This has been addressed by the adoption of an engineering core for all students seeking the BS in Engineering. Some of these courses may be completed at a community college that offers a pre-engineering track. Others are only offered within the College.

The engineering core, which consists of basic science, mathematics, and professional courses, ensures that every student is provided with a solid background education regardless of his or her option. The required courses are listed below:

CHM 1045C General Chemistry I (4)

CHM 1045L General Chemistry I Laboratory (0)

EEL 3003	Introduction to Electrical Engineering*** (3)
EEL 3003L	Introduction to Electrical Engineering Lab*** (1)
EGM 3512	Engineering Mechanics** (4)
EGN 2123	Computer Graphics for Engineers**** (2)
EGN 3613	Principles of Engineering Economy* (2)
EML 3100	Thermodynamics* (2)
MAC 2311	Calculus with Analytical Geometry I (4)
MAC 2312	Calculus with Analytical Geometry II (4)
MAC 2313	Calculus with Analytical Geometry III (5)
MAP 3305	Engineering Mathematics I (3)
PHY 2048C	General Physics A (5)
PHY 2049C	General Physics B (5)

* Except for chemical and mechanical engineering majors.

** Except for mechanical engineering majors.

*** Except for electrical and computer engineering majors.

**** Except for chemical, mechanical, electrical, and computer majors.

State of Florida Common Program Prerequisites

The State of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.** Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic adviser in their major degree area.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. MAC X311 or MAC X281
2. MAC X312 or MAC X282
3. MAC X313 or MAC X283
4. MAP X302 or MAP X305
5. CHM X045/X045L or CHM X045C, or CHS X440 and CHM X045L
6. CHM X046/X046L or CHM X046C*
7. PHY X048/X048L or PHY X043 and PHY X048L
8. PHY X049/X049L or PHY X049L, or PHY X044 and PHY X049L

*Chemical and Biomedical Engineering Majors

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

Engineering Major Area

Course requirements for engineering major areas consist of additional mathematics and basic science courses, engineering science courses, and engineering design courses. A current statement of requirements for engineering major areas is available as advising materials in the academic departments.

Definition of Prefixes

EEL—Electrical Engineering

EGM—Engineering Mechanics

EGN—General Engineering

EML—Mechanical Engineering

Undergraduate Courses

EEL 3003. Introduction to Electrical Engineering (3). Prerequisites: MAC 2312 and PHY 2049C. This course is an introduction to electrical engineering concepts for non-electrical engineering majors. Covers a broad range of topics including basic circuit theory, semiconductor devices, instrumentation, amplifiers, and machines. Not accepted for credit toward BSEE and BSCPE.

EEL 3003L. Introduction to Electrical Engineering Laboratory (1). Prerequisites: MAC 2312 and PHY 2049C. Corequisite: EEL 3003. This laboratory supports EEL 3003. Must be taken concurrently with first enrollment in EEL 3003. Must be dropped if EEL 3003 is dropped.

EGM 3512. Engineering Mechanics (4). Prerequisites: MAC 2312, PHY 2048. Corequisite: MAC 2313. This course covers statics and dynamics of particles and rigid bodies using vector analysis, free body diagrams, equilibrium of particles and rigid bodies, particle and general rigid body motion, work/energy, and impulse and momentum methods.

EGN 1004L. First Year Engineering Laboratory (1). This laboratory includes an emphasis on student time management, a variety of products and processes, and computer-aided problem solving. Product/process involves sketching and drawing pertinent diagrams by hand, and learning the history and engineering concepts involved.

EGN 2123. Computer Graphics for Engineers (2). Corequisite: MAC 2311. This course covers principles of engineering graphics: visualization, spreadsheet applications, graphical calculus, and descriptive geometry. Also introduces the engineering design process and CAD systems.

EGN 3613. Principles of Engineering Economy (2). Prerequisite: MAC 2313. This course emphasizes discrete cash flow diagrams, cash flow equivalence factors, standard criteria for comparing project proposals, special cash flow topics, special analysis, and case studies.

EML 3100. Thermodynamics (2). Prerequisites: CHM 1045, MAC 2312, and PHY 2048. This course discusses the fundamentals of thermodynamics. System description, common properties. Properties of pure substances. Mathematical foundations. First and Second Laws of Thermodynamics, closed and open systems. Equations of state and general thermodynamic relations. For non-mechanical engineering majors.

THE GRADUATE SCHOOL

Dean: Nancy H. Marcus; **Senior Associate Dean:** Judith Devine; **Assistant Dean:** Keisha John

The first graduate degree was a Master's of Science (MS) degree in psychology that was awarded to Barbara Elizabeth James in 1903. Boris Gutbezahl, a student in the Department of Chemistry was awarded the University's first Doctor of Philosophy (PhD) degree in 1952. The mission of the Graduate School is to advance the quality and integrity of graduate education. The Dean of the Graduate School is responsible for the broad oversight of all graduate programs. Florida State University offers an extensive range of graduate and professional programs through the fifteen colleges. Graduate education at FSU includes 102 master's degrees, nineteen specialist and advanced master's degrees and sixty-seven doctoral degrees. Professional degrees are also offered in Law and Medicine. In addition, a variety of opportunities are available for students interested in advanced degrees, including interdisciplinary degree programs, joint degrees, dual degrees, and combined bachelor's/master's degree programs. Florida State University also offers several online academic degree programs and graduate certificate programs. Details about these programs can be found in the appropriate department chapter of the *Graduate Bulletin*, and online at The Graduate School Web site <http://gradschool.fsu.edu>.

Combined Bachelor's/Master's Degree Programs

The combined bachelor's/master's degree programs provide academically talented students an opportunity to complete a bachelor's and a master's degree in a shorter time span. These programs allow students to double-count graduate courses for both degrees, thus reducing the time it would normally take. For more information visit the Graduate School Web site at <http://gradschool.fsu.edu/Academics-Research/Degree-Programs/Combined-Bachelors-Masters-Degree-Programs>.

Offices, Centers, and Special Programs

The **Office of Graduate Fellowships and Awards**, a unit of The Graduate School, assists current graduate students in identifying and applying for external fellowships, grants, and awards. The office provides a variety of workshops and events to introduce national funding opportunities, teach strategies for creating competitive applications, and discuss relevant campus policies and procedures. Additionally, students may seek one-on-one support as they polish their proposals. Entering graduate students may learn more about getting started with external funding opportunities at The Graduate School's *New Graduate Student Orientation*. For information, contact the office at ogfa-info@fsu.edu or visit the Web site at <http://ogfa.fsu.edu>.

Current undergraduate students can obtain similar support services from the Office of National Fellowships as they begin their graduate planning. For further details, please visit their Web site at <http://onf.fsu.edu>.

The **Frederick L. Jenks Center for Intensive English Studies (CIES)** provides intensive instruction in the English language to non-English speakers. Its primary target audience is international scholars who are preparing to pursue degree work in American colleges and universities. In addition, CIES evaluates the English speaking proficiency of FSU's international Teaching Assistants (TAs) through its administration and scoring of the SPEAK test. Along with this assessment, the Center provides credit-bearing classes for those prospective international TAs who need further development of their speaking proficiency in English. CIES also offers a seven-week Certificate in Teaching English as a Foreign Language for FSU students, or any in the community, who wish to go abroad to teach English. For further information, call (850) 644-4797 or visit the Web site at <http://cies.fsu.edu>.

The **Program for Instructional Excellence (PIE)** is a university program that helps prepare graduate student TAs for their instructional role at FSU and their future career in academia. The PIE program also supports departmental TA training. Through its programs, PIE creates opportunities to foster a sense of collaboration and community among graduate student TAs. For more information, visit the PIE Web site at <http://pie.fsu.edu>.

The **Fellows Society** is an interdisciplinary scholarly community consisting of graduate students who hold competitive national fellowships and university-wide fellowships administered by The Graduate School. The mission of the Fellows Society is to have Fellows participate in regular events, including the Fellows Forum, the Annual Orientation and Leadership Training, President's Social, and other special events, designed to expand the intellectual horizons of its members through interdisciplinary engagement and leadership development. For more information, visit <http://gradschool.fsu.edu/Fellows-Society>.

Fellowships, Assistantships, and Awards

The Graduate School administers several *internal university-wide fellowship and award programs* to support or recognize the achievements of new and returning graduate students. Many graduate students receive financial support (stipend and tuition waivers) as **Teaching Assistants, Research Assistants, or Graduate Assistants**. Interested students should contact departments and administrative units directly for more details and information.

Details of these programs, with updated deadlines and due dates, are provided each year on the Graduate School Web site at <http://gradschool.fsu.edu>.

COLLEGE OF HUMAN SCIENCES

Dean: Billie Collier; **Associate Dean:** Mary Ann Moore; **Assistant Dean:** Gregory J. Harris; **Mack and Effie Campbell Tyner Eminent Scholars:** Konrad Bloch (deceased), John Kinsella (deceased), Francis D. Fincham, William Ruben, William Jerome Vereen, Richard Lerner, James Banks, Richard Palmiter, Susan Watkins; **Deans Emeritae:** Margaret A. Sitton, Penny Ralston

The College of Human Sciences, which began in 1905, is the flagship program in human sciences in Florida and has as its mission to address global challenges and opportunities related to the physical, behavioral, and economic factors influencing the health and development of individuals, families, and communities. The College, which through its mission focuses on some of the most urgent issues in society, includes:

- bachelor's programs in three academic departments: (1) Family and Child Sciences (FCS); (2) Nutrition, Food, and Exercise Sciences (NFES); and (3) Retail Merchandising and Product Development (RMPD),
- master's and doctoral programs in two of the departments: (1) Family and Child Sciences (FCS); (2) Nutrition, Food, and Exercise Sciences (NFES).

The baccalaureate degree programs are sufficiently broad to provide graduates with choices upon entering the job market. The reputation of the programs through the years means that graduates are regularly sought for professional positions in corporations, human services, public schools, hospitals, and other health agencies, among others.

Although the programs within the College are diverse, students graduate with an integrative approach in addressing societal concerns; critical thinking skills regarding issues affecting individuals, families, and communities; and fundamental competencies necessary to carry out professional roles. In addition, select programs require faculty supervised practica and internships, which provide students with the experience of applying theoretical and research knowledge.

The various student organizations in the College provide opportunities to extend interaction with faculty and professional leaders through a variety of activities, including field trips, service projects, and seminars. Many students increase their leadership and communication skills through involvement in these organizations.

The College is fully accredited by the American Association of Family and Consumer Sciences (AAFCS). In addition, the College has a Didactic Program in Dietetics (DPD) and a Dietetic Internship (DI) accredited by the Commission on Accreditation for Dietetic Education (CADE), an athletic training program accredited by the Commission on Accreditation of Athletic Training Education (CAATE), a doctoral program in marriage and family therapy accredited by the Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE), and a Certification in Family Life Education approved by the National Council on Family Relations (NCFR).

The College has an Eminent Scholar in Family and Child Sciences who directs the Family Institute. The department of Family and Child Sciences also operates the Center for Couple and Family Therapy and the Center for Better Health and Life in Underserved Populations. Other centers and institutes within the College include the Center for Advancing Exercise and Nutrition Research on Aging, the Center for Retail Merchandising and Product Development, and the Institute of Sports Sciences and Medicine.

Facilities

The College has several new state of the art instructional laboratories in the newly renovated and expanded William Johnston Building. Included in this space are laboratories that enhance and enrich the student's education in merchandising (the Macy's Laboratory), technology (the Office Depot Technology Center), product development, nutrition informatics, experimental foods, food science, food sensory analysis, exercise testing and prescription, body composition assessment, blood chemistry analysis, and athletic training. Specialized laboratories in the Sandels Building include the textiles laboratory complex, which provides students chemical and physical testing facilities for end-use performance of textile products; and the historic clothing and textiles laboratory, which houses the Carter Collection of Peruvian Textiles and an extensive collection of accessories and children's and women's wear. Additionally, the Family and Child Sciences Department has several new teaching and research laboratories.

Opportunities

Undergraduate students may participate in Honors in the Major (see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*) and may pursue a double major consisting of a combination of two degree programs. Practica are required in family and child sciences and athletic training. Internships are an integral part of the degree program in retail merchandising and product development. Students majoring in family and child sciences may opt to have an internship if required academic criteria are met. Students who complete the DPD Program are eligible to apply for post-baccalaureate accredited dietetic internships in selected hospitals and community settings. The College of Human Sciences also offers a Living-Learning Center at Reynolds Hall with an emphasis on pre-health professions.

Scholarships/Awards

The College awards monetary scholarships annually. In addition, monetary scholarships are awarded annually by each department. Some of the awards are based on academic performance, some on need, and some on a combination of both.

Undergraduate Degree Programs in Human Sciences

Department of Family and Child Sciences

Family and Child Sciences

Department of Nutrition, Food, and Exercise Sciences

Food and Nutrition with majors in:

- Dietetics
- Food and Nutrition Science
- Athletic Training
- Exercise Science

Department of Retail Merchandising and Product Development

Clothing, Textiles, and Merchandising with a major in:

- Retail Merchandising and Product Development

Core Requirements for all Baccalaureate Degrees in Human Sciences

To receive a baccalaureate degree from the College of Human Sciences, students must complete FAD 2230 and a minimum of three semester hours outside their own major in one of the three departments in the College of Human Sciences.

Bachelor of Science and Bachelor of Arts Degrees

Candidates for baccalaureate degrees must comply with the general regulations governing baccalaureate degrees. Students in the College of Human Sciences may not receive more than nine semester hours of credit toward the degree from courses in office skills or in applied music and music activities. Also, students may receive up to two semester hours in physical education activities, which can be counted toward the degree. Candidates for the bachelor of arts degree must meet the foreign language requirement and other special requirements of the University.

Admission Requirements for College of Human Sciences

To transfer from undergraduate studies into one of the departments in the College of Human Sciences, the student must have a GPA of at least a 2.0. In addition, students who are not subject to mapping must satisfy the following departmental prerequisites:

- For the **Department of Family and Child Sciences**, at least a "B–" in FAD 2230, 3220, 3271, CHD 2220, and STA 2XXX, with only one repeat of each course allowed
- For the **Department of Nutrition, Food, and Exercise Sciences**, at least a "B–" in HUN 1201 and at least a "C+" in PET 3322

- For the **Department of Retail Merchandising and Product Development**, specified courses for the major of retail merchandising and product development must be completed with a grade of “C” or better (see department listing).

Academic Performance and Retention

The College of Human Sciences reserves the right to discontinue enrollment of any student in the major at any time if satisfactory academic progress is not being made. In addition to satisfying academic mapping milestones or the above departmental prerequisites for students who are not subject to academic mapping, the following are the specific departmental academic performance and retention policies:

- For the **Department of Family and Child Sciences**, students majoring in family and child sciences must have a minimum overall GPA of 2.50 in major courses to graduate.
- For the **Department of Nutrition, Food, and Exercise Sciences**, students majoring in dietetics, food and nutrition science, athletic training, or exercise science must achieve a “C–” or better in all other required courses and have an FSU overall GPA of 2.50 or better to graduate.
- For the **Department of Retail Merchandising and Product Development**, students majoring in retail merchandising and product development must achieve:
 - a “C” or better in all other required courses and have a cumulative GPA of 2.75 or better to apply for the internship;
 - a cumulative GPA of 2.50 or better to take courses in the internship block;
 - an FSU overall GPA of 2.50 or better to graduate.

COLLEGE OF LAW

Dean: Donald J. Weidner; **Associate Deans:** Nancy L. Benavides, Jeffrey H. Kahn, David E. Landau, David L. Markell, Mark B. Seidenfeld; **Assistant Deans:** Rosanna Catalano, Janeia Daniels Ingram, Catherine Miller; **Associate Vice President for Development:** Mark Pankey; **Director of the Research Center:** Faye Jones

The College of Law is ranked as one of the nation's top fifty law schools. The College encourages close working relationships between students and faculty—relationships that are characteristic of the best liberal arts colleges. Expert faculty members are accessible to students inside as well as outside the traditional classroom setting.

Prelegal Education

The College's liberal arts orientation helps foster a strong sense of community in its students. This sentiment translates into student pride in the College of Law as an institution and a mutually held pride in one another. The liberal arts orientation also places great value on the insights of other disciplines that can be brought to bear upon the study of law. It is important to the faculty to integrate insights from such diverse disciplines as history, philosophy, psychology, sociology, economics, and finance.

Florida State offers law students a wealth of law-related employment opportunities. Located in Tallahassee, a city with more than 500 law firms and numerous government agencies, the College of Law is just steps away from the state capitol, the Florida Supreme Court, and the United States District Court for the Northern District of Florida.

The College of Law receives more than thirteen applications for every seat in its entering class. The College values students from a wide variety of backgrounds. Currently, the talented and diverse student body represents thirty-two states, fifteen countries, and 191 colleges and universities. Florida State University's College of Law has been repeatedly recognized by *Hispanic Business* magazine as one of the nation's "Top Ten Law Schools for Hispanics."

The College of Law offers two unique programs to undergraduates who want to continue on to law school. The **Summer for Undergraduates Program** is the largest of its kind and has become a national model for other law schools. Sixty undergraduate college students are chosen to participate in this month-long program, which exposes students to the law school experience. During the program, undergraduates attend daily classes taught by law school professors and writing instructors. Lectures familiarize students with the functions of the American legal system and the process by which conflicts are resolved. Writing workshops help students develop their writing and communication skills. In addition to classes, the program provides guest lecturers from the legal community and includes observation of courtroom proceedings and visits to local law firms. The College of Law provides room and board, course materials, and a \$500 stipend to all participants. Students are responsible for their travel to and from Tallahassee. For more information on this program, please contact the Office of Student Affairs at (850) 644-7338 or saffairs@law.fsu.edu. The College of Law also offers an honors program to FSU undergraduates. Each year, a number of honors program undergraduate students are invited to become members of the **FSU Honors Legal Scholars Program**. This competitive program provides FSU honors students the opportunity to become members of the law school community as undergraduate students. As a member of the Honors Legal Scholars Program, students have a unique opportunity to meet and interact with FSU law faculty and administrators, observe law classes, attend law school events and lectures, and gain valuable information and insight into law school and the legal profession. Upon completion of their bachelor's degrees, these scholars will receive automatic admission to the FSU College of Law provided that they complete and submit an FSU law school application; have an LSAT score of 162 or higher and an undergraduate GPA of at least 3.6; and have a record that reflects the fitness of character to study law. For more information on the honors program, please contact the Admissions Office at (850) 644-3787 or at admissions@law.fsu.edu.

Students from all majors have completed programs in law school. Undergraduate students considering law school are encouraged to visit the College of Law. Tours of the College and class visitations may be arranged through the Admissions Office. For more information please call (850) 644-3787 or e-mail admissions@law.fsu.edu.

Curriculum

The College of Law offers a rich and diverse three-year curriculum for the Juris Doctor (JD) degree. It begins with traditional courses and expands to include the latest in theoretical and interdisciplinary analyses. The first-year

curriculum is rigorous, traditional, and prescribed. It provides a foundation in history, doctrine, process, and analysis. The second- and third-year curriculum is deliberately structured to provide students with the opportunity to obtain a broad, interdisciplinary exposure to various areas of law.

The College of Law has five co-curricular academic organizations, including three student-edited journals and trial and appellate advocacy teams. The journals include the *Florida State University Law Review*, the *Journal of Land Use & Environmental Law* and the *Journal of Transnational Law & Policy*. The College of Law's advocacy teams are competitive regionally and nationally.

Requirements for Admission

For August admission, students must apply one year in advance, between September 1st and March 15th. The College of Law enrolls only one class in the Fall of each year, and does not offer a part-time or evening program. Submit and complete law school applications as early as possible. Files must be complete by March 15th to receive full consideration. Factors considered by the admissions committee include numerical credentials (LSAT and GPA), exceptional personal talents, interesting or demanding work or service experience, leadership potential, rigorousness of the undergraduate course of study, maturity, a history of overcoming economic or other social hardships, ability to communicate effectively, and other factors. Decisions on applicant files are made as early as October.

Admission to the College of Law is a competitive process. For more information about the admissions process, please call (850) 644-3787 or visit the Web site http://www.law.fsu.edu/prospective_students/index.html. All registrants are required to have a baccalaureate degree from a regionally accredited college or university prior to commencing law study. Every prospective law student must take the Law School Admissions Test (LSAT) given by the Law School Admissions Services. For more information about the LSAT, please visit the Web site <http://www.lsac.org>. Registration with the Law School Data Assembly Service is also required.

Special Programs

The College of Law has especially strong programs in three areas: environmental law, international law, and business, with certificate programs in all three areas. The law school's program in environmental law is recognized as one of the best in the country. The law school also has one of the strongest criminal law programs in the region. For more information on these programs, please visit http://www.law.fsu.edu/academic_programs/index.html.

The College of Law offers nine joint-degree programs in cooperation with other colleges, schools, and departments at Florida State. The joint degrees bring together law with business, economics, family and child sciences, information studies, international affairs, public administration, social work, sport management, as well as urban and regional planning.

Building on its highly ranked environmental law program, Florida State Law offers a Master of Laws (LLM) in Environmental Law and Policy. The law school's newest degree offering gives Juris Doctor (JD) holders the opportunity to concentrate in or enhance their knowledge of environmental law, land use law, natural resources law, and energy law. Florida State Law's program is designed to provide LLM students with individualized, one-on-one attention. Incoming students are matched with program faculty members who will mentor them and help design a curriculum that will best suit their interests, educational background and professional needs. The law school also offers an LLM program for foreign lawyers, which provides foreign graduate students trained in law with the opportunity to develop an understanding of the American legal system and the role of law in the United States.

The College of Law has one of the most extensive externship programs in the United States. The clinical externship program places students in more than 80 offices throughout Florida and elsewhere. Students may even select international externships with the International Bar Association in London, the International Tribunal for the former Yugoslavia, and the Special Court in Sierra Leone.

The law school's Public Interest Law Center provides on-campus clinical legal training for second- and third-year students. Students are certified by the Florida Supreme Court to practice law as interns and, under the supervision of licensed attorneys, are responsible for all facets of cases to which they are assigned, specializing in everything from foster care and health care access cases to child support and juvenile delinquency.

The College of Law also sponsors a summer program at Oxford University in England. As the oldest ongoing program in Oxford sponsored by a U.S. law school, it provides students with a unique opportunity to study comparative law and the history of the common law and its institutions in their original setting. For information write to: *Director, The Florida State University Summer Program in Law at Oxford, Tallahassee, FL 32306-1600*; call (850) 644-4578; or visit http://www.law.fsu.edu/academic_programs/international_law/oxford/index.html.

COLLEGE OF MEDICINE

Dean: John Fogarty; **Senior Associate Dean for Academic Affairs:** Alma Littles; **Associate Dean for Health Affairs:** Leslie Beitsch ; **Associate Dean for Student Affairs and Admission:** Christopher Leadem; **Assistant Dean for Student Affairs:** Robert Campbell; **Assistant Dean for Admissions:** Graham Patrick; **Associate Dean for Medical Education, Evaluation, and Assessment:** Lynn Romrell; **Senior Associate Dean for Research and Graduate Programs:** Myra Hurt; **Senior Assistant Dean for Regional Medical School Campuses:** Paul McLeod (Pensacola Campus); **Assistant Deans for the Regional Medical School Campuses:** Bruce Berg (Sarasota Campus), Randy Bertollette (Ft. Pierce Campus), Luckey Dunn (Daytona Beach campus), Ron Hartsfield (Tallahassee Campus), Michael Muszynski (Orlando Campus); **Director of Rural Health:** Daniel Van Durme; **Director of the Clinical Learning Center:** Debra Danforth; **Director of the Medical Library:** Barbara Shearer; **Executive Director of Outreach and Advising:** Thesla Berne-Anderson; **Associate Dean for Faculty Development:** Dennis Baker; **Assistant Dean for Faculty Development:** Gregory Turner; **Assistant Dean for Information Management:** John Van Wingen

The Florida State University College of Medicine, in partnership with local communities, provides a four-year program of study leading to the Doctor of Medicine (MD) degree. The College is fully accredited by the Liaison Committee on Medical Education of the Association of American Medical Colleges and the American Medical Association.

The mission of the College of Medicine is to educate and develop exemplary physicians who practice patient-centered health care, who discover and advance knowledge, and who are responsive to community needs, especially through service to elder, rural, and other medically underserved populations. The curriculum is comprehensive, preparing students to enter residency training in any specialty; however, the program of study emphasizes the priority areas identified in the College's mission.

Premedical Education

The practice of medicine requires a sound science background, and most medical schools have the same standard list of premedical requirements. Medical schools recruit, and the medical profession needs, individuals from diverse educational backgrounds who bring to the profession a variety of talents and interests. Medical schools review personal qualities, academic qualifications, communication skills, and motivation when considering candidates for selection.

Students considering medicine as a profession should consider carefully their undergraduate major area of study. Students should select a major area of study that is of interest and that will provide a foundation of knowledge necessary for the pursuit of several career alternatives. Students who select a major area of study solely, or primarily, because of the perception that it will enhance the chance of acceptance to medical school are not making a decision in their best interest. A science major is not a prerequisite for medical school, and students should not major in science simply because they believe this will increase their chances for acceptance. The most common majors for matriculating students include biology, biochemistry, psychology, exercise science, and business, and various other nonscience majors.

The AAMC describes the medical profession as demanding in terms of the time, energy, and responsibility for other people's lives, and states that the commitment to continuing service and education is essential. The practice of medicine requires physical, emotional, and intellectual stamina; the desire to work with and for people; and, particularly, the ability to use critical thinking to solve problems. The undergraduate years should be a time for students to discover if they possess these characteristics.

Undergraduate students who are thinking about medical school are encouraged to visit or contact the *College of Medicine Pre-health Professions Advising Office*, 1115 West Call Street, (850) 644-7678; or e-mail the school at medinformation@med.fsu.edu.

Degree Programs

Doctor of Medicine (MD)

The FSU College of Medicine trains students in allopathic medicine, which includes the diagnosis, management, and treatment of disease. The College confers upon its graduates the degree of Doctor of Medicine. Upon completion of the four-year Doctor of Medicine educational program, these physicians pursue graduate medical education (internship, residency, and sometimes fel-

lowships), which is necessary for eventual licensure. Training in residency programs may take from three to nine additional years after completion of medical school.

To be considered for graduation from the FSU College of Medicine, a student must be judged by the Student Evaluation and Promotion Committee to be in good standing, must successfully complete and pass all required courses and clerkships, must successfully complete the end-of-third-year OSCE (Observed Structural Clinic Examination), must complete all required surveys and evaluations, and must have a passing score on the United States Medical Licensing Examination (USMLE) Steps 1, 2CK, and 2CS. Further information may be found in the *Graduate Bulletin* and in the *College of Medicine Student Handbook* at <http://www.med.fsu.edu/>.

Honors Medical Scholars Program

The FSU College of Medicine, in conjunction with the FSU Honors Office, has established a program that is open annually to qualified students. The program allows eligible FSU honors students to pursue a Bachelor of Science degree of their choice while also participating in the Honors Medical Scholars Program, which includes a seminar course, mentorship program, and required pre-medical courses and experiences. Students participating in the program may be eligible for early admission to the FSU College of Medicine upon completion of pre-med requirements. Applications and program details are available from the FSU Honors Office at (850) 644-1841.

Doctor of Philosophy (PhD) in Biomedical Sciences

The Doctor of Philosophy in Biomedical Sciences Program is designed to prepare the next generation of health scientists for medical research and teaching in an era of increasing coordination and integration of traditional disciplines. Undergraduate majors in biology, biochemistry, chemistry, microbiology, or other life sciences are suitable for graduate studies in biomedical sciences. Research rotations during the first year allow students to make an informed choice of the research area and major professor with whom they will conduct their Doctor of Philosophy work. A core curriculum of the fundamentals, a wide array of electives from other departments, and intellectual interaction with faculty and post doctoral fellows all encourage graduate students to mature into independent scientists.

To be considered for graduation from the FSU College of Medicine with the Doctor of Philosophy in Biomedical Sciences, the student must successfully complete all course requirements within five calendar years from the time the student gains admittance to candidacy by passing the preliminary exam. Other requirements for graduation include attending the Health Sciences Seminar Series; successfully completing the preliminary doctoral examination; submitting a doctoral research proposal approved by the major professor and the supervisory committee after admission to doctoral candidacy; registering for a minimum of twenty-four semester hours of dissertation credit; and submitting, publicly presenting, and successfully defending a dissertation.

Additional details are available at <http://med.fsu.edu/index.cfm?page=biomedicalSciences.phdBioMed>. For additional information or inquiries please contact us by calling (850) 645-6420.

Admission Requirements

Admission to the Doctor of Medicine (MD) Program

All inquiries regarding admission should be sent to *College of Medicine, Florida State University, Tallahassee, FL 32306-4300*; or e-mail at medadmissions@med.fsu.edu.

To apply to the College of Medicine at Florida State University (FSUCOM), an applicant should apply through the American Medical College Application Service (AMCAS) and should have taken the Medical College Admission Test (MCAT). To receive the FSUCOM formal secondary application, an applicant should be a U.S. citizen, should meet academic standards predictive of success in medical school (academic grade point average and MCAT score), and should have completed the required prerequisite courses. A listing of prerequisite courses may be obtained by contacting the Pre-health Professions Advising Office in the College of Medicine or on the College of Medicine Web site at <http://www.med.fsu.edu>. An applicant's MCAT score should be dated no more than three years prior to the beginning of the year of the application cycle. A bachelor's degree is required by the time of matriculation

to medical school. If an applicant currently is enrolled in a degree program, the program must be completed and transcripts provided to the College of Medicine Admissions Office prior to the beginning of classes in June.

Admission to the Doctor of Philosophy (PhD) in Biomedical Sciences Program

To apply for the PhD in Biomedical Sciences Program, students should contact the College of Medicine's Office of Research and Graduate Programs at (850) 645-6420 or check the program's Web site (<http://med.fsu.edu/index.cfm?page=biomedicalSciences.phdBioMed>). Admissions requirements for the Doctor of Philosophy in Biomedical Sciences Program are as follows: a prospective candidate must:

1. Have or be a candidate for a baccalaureate degree from an accredited college or university and be in good standing at the last institution attended
2. Have a minimum GPA of 3.0 (on a 4.0 scale)
3. Have a minimum combined verbal and quantitative score of 1000 or above on the Graduate Records Examination (GRE)

A GRE Subject test is strongly recommended and may include biochemistry and cell biology, general biology, chemistry, or physics. Applicants whose native language is not English and who have not received a degree from an English language institution are required to take the Test of English as a Foreign Language (TOEFL), receiving a minimum score of 80 for the internet based (IB) test or 550 for the paper test. Special admission consideration may be requested based on disability.

Applicants may send the required material to the University Admission Office at <https://admissions.fsu.edu/gradapp/>.

The Pre-Health Professions Advising Office

The Florida State University College of Medicine provides academic advising and counseling to students interested in pursuing careers in the health professions. Currently, over 1,300 students are enrolled in this advising program. Many of the students who seek advising in the advising office are pre-medical students. However, the program is open to all pre-health students including pre-dentistry, pre-veterinary, pre-pharmacy, pre-physician assistant, and pre-optometry. Full-time pre-health professions advisers meet regularly with these students throughout their college years, assisting with career goals, course scheduling, long-term academic planning, and professional school admission procedures.

In addition to one-on-one advising, the advising office also sponsors programs of special interest to pre-health students. Programs include panel discussions with admissions representatives from various medical and professional schools and workshops on succeeding in the application process and on interviewing strategies. The Pre-Health Professions Advising Office also sponsors a number of student organizations (refer to 'Organizations and Societies' below).

Florida State University has a competitive acceptance rate to medical and professional schools nationwide, and many of our graduates have been recognized for their outstanding contributions and achievements in the field of medicine.

To register with the College of Medicine Pre-Health Professions Advising Office, call (850) 644-7678 or visit *Suite 2140* at the College of Medicine to set up an appointment with a health professions adviser.

Organizations and Societies

Alpha Epsilon Delta is the Pre-Health Professional honor society. The society welcomes members who are planning careers in medicine, podiatry, dentistry, veterinary medicine, optometry, pharmacy, but with an emphasis on the medical field. To become a national member, students must be in the second semester of their sophomore year and have an overall and a science GPA of at least 3.2. Freshmen and sophomores are encouraged to participate in activities of the society. The Florida-Beta chapter at Florida State University was founded in 1946 and is one of the oldest chapters in the Southeast. The society invites speakers who represent the health professions, plans trips to area professional schools, and participates in community service.

The **American Medical Student Association (AMSA)** provides information, support, and leadership for future physicians in training. This organization stresses a strong commitment to service and is open to all FSU students.

The **American Medical Women's Association (AMWA)** supports women in medicine on the community, national, and international levels by increasing the awareness of health concerns that are exclusive to women.

The **International Medical Outreach (IMO)** unites the efforts of a small group of pre-med students and medical staff in an international service learning experience that provides first-hand medical care in less advanced countries.

The **Multicultural Association of Pre-Medical Students (MAPS)** works to enhance the recruitment of culturally diverse students into health care fields and to assist members in becoming more successful candidates for professional health and medical programs.

The **Pre-Dental Society** is an organization established to further educate those students who plan to enter dental school. The organization strives to advance the education of members by providing an information network in directing their pre-dental education. Members may access information about coursework, dental schools, test preparation, and the application process. Guest professionals from the local dental community in Tallahassee are invited to speak at meetings. Membership is available through the Pre-Health Professions Advising Office.

The **Pre-Veterinary Society** is an organization that provides an environment where students can expand their interests in veterinary medicine. Members build a strong support group to share information about coursework, the application process, and volunteer opportunities in the Tallahassee area. A focus is on assisting the community with animal-related issues. Membership information is available through the Pre-Health Professions Advising Office.

The **Pre-Physician Assistant Club** is an organization for students interested in a career as a physician assistant. Monthly meetings are held at the College of Medicine. The meetings include guest speakers from the community as well as presentations from physician assistant programs.

The **Pre-Pharmacy Informational Leadership and Learning Society (PILLS)** is a student organization for those interested in pursuing a career in pharmacy.

COLLEGE OF MOTION PICTURE ARTS

Dean: Frank Patterson

Established in 1989, the College of Motion Picture Arts is one of only seven university-based film conservatories in the country. In the short time the College has been in operation, it has quickly become recognized nationwide as an outstanding motion picture production program. At the undergraduate level, the College offers Bachelor of Fine Arts (BFA) degrees with majors in Production and in Animation and Digital Arts. At the graduate level, the College offers Master of Fine Arts (MFA) degrees to those admitted. The College provides state-of-the-art motion picture equipment and studio facilities for production and post-production operations, and it funds all student workshops and projects, including the graduate and undergraduate thesis productions.

The expertise of the College's faculty reflects the direction and range the school will take in the future. Frank Patterson, Dean of the College of Motion Picture Arts, has more than twenty years experience in the film and television industry as a writer, director, producer, editor, and consultant. He is joined by eighteen faculty members, all of whom are specialists in the areas of producing, writing, directing, cinematography, visual effects, editing, sound recording, production design, motion picture history, theory, and aesthetics.

Faculty Distinctions

The College of Motion Picture Arts has a strong commitment to hiring experienced working professionals who have both teaching skills and professional goals. The full-time faculty comprises working filmmakers with various specializations as writers, directors, production designers, and editors in both the theatrical and non-theatrical film and television industries, many of whom have won national and international awards and honors for their work. Some also have strong records as research scholars and fiction writers. The faculty also includes visiting professors in the fields of motion picture law, business distribution, exhibition, and promotion.

Facilities

The College of Motion Picture Arts operates extensive production facilities for its undergraduate and graduate programs in the *University Center Building A* on the campus of Florida State University. Considered one of the finest facilities in the world devoted exclusively to film education, these facilities include two sound stages; a recording stage with Foley and ADR capabilities; a 120-seat screening theater and two smaller screening rooms, including a high-definition screening room for dailies and color timing; two digital audio mixing suites; a computer laboratory; a visual effects laboratory; a set-building shop; a 35-mm archive of feature films; a collection of over 5000 film titles on videotape, DVD, and laserdisc; a large production research library; and digital editing suites for picture and sound. Facilities are available for both digital (HD, 2K, 4K, 5K) and film (16mm, 35mm) production.

The College of Motion Picture Arts also operates facilities in West Palm Beach for the delivery of major classes in its Animation and Digital Arts program. Co-located with the Digital Domain Institute, these facilities include: a sound stage; recording stages with Foley and ADR capabilities; a 120-seat theater; two screening rooms for dailies, color timing, and audio mixing; computer labs for non-linear editing, visual effects, and animation; storyboarding and previsualization rooms; and a learning resource center.

Undergraduate Degree Program

The programs of study leading to the Bachelor of Fine Arts degrees are designed to lead students through the complete process of creating short films, while incorporating a well-rounded liberal arts education that includes writing courses. Core courses in the majors include producing, directing, cinematography, screenwriting, sound, editing, production management, motion picture history, theory, and aesthetics. Students may be accepted into the programs at the freshman level or transfer into the programs once seventy-five percent, or twenty-seven semester hours, of the liberal studies requirements have been completed.

The College's world-class facilities aid in meeting the goals of the undergraduate programs—to educate students in the art and craft of motion picture storytelling and to help them become integral members of the academic community of Florida State University. Graduates are trained to be members of the entertainment profession and participants in a creative and professional enterprise.

Admission to the Undergraduate Program

Admission to the College of Motion Picture Arts is limited access, making admission highly selective and competitive. Applicants must apply to Florida State University's Office of Admissions by their fall admission deadline and must submit a separate application to the College of Motion Picture Arts. Each applicant must submit a resumé, three letters of recommendation, copies of high school and college transcripts, and a 500–1000 word essay describing his or her motivation for pursuing an education in motion picture arts. Any application that does not contain all of these items will be considered incomplete and will be denied automatically. Applicants are *not* permitted to submit portfolio items such as VHS tapes, DVDs, writing samples, or photographs. All application materials must be received online by the College of Motion Picture Arts no later than the University's fall admission deadline for the applicant to be considered for admission the following Fall semester. More information concerning the undergraduate application is available online at <http://film.fsu.edu>.

Graduate Degree Program

The program leading to a Master of Fine Arts degree has set the following goals: to provide the creative and technical environment for professional specialization; to ground students in the history of each medium's theory and practice; and to prepare students for careers as artists, managers, producers, and craftspersons in the professional film and video production industries. The MFA program is a full-time (Fall, Spring, and Summer), two-year course of study in motion picture screenwriting and production. Writing students will complete sixty-one semester hours, and production students will complete ninety semester hours of coursework. The curriculum focuses on the art, craft and business of storytelling. The graduate program is designed and scheduled as a conservatory. It is meant to create a practicum setting in which individuals can work with accomplished professionals to hone their talents, develop a body of work, and sharpen their capacities to work in teams. Please consult the *Graduate Bulletin* for additional information regarding the MFA program.

Admission to the Graduate Program

Admission to the College of Motion Picture Arts graduate program is of limited access, with twenty-four production and six writing students admitted each year, making admission selective and competitive. Prospective students must make application to and meet the requirements of Florida State University's Graduate Admissions Office and also must submit supporting application materials as described online at: <http://film.fsu.edu/Graduate-Programs/MFA-Application-Information-Requirements>. In addition to transcripts, required supporting materials include: a 500-1000 word statement of purpose describing their artistic work, creative influences, personal objectives, relevant background, and career goals; three letters of recommendation; and a professional/creative resumé. As an option, production applicants may submit a sample of their best work (video, creative writing sample, etc.). Writing applicants must submit three samples as specified supporting materials. Detailed information is available online at <http://film.fsu.edu>. Students applying to the Motion Picture Arts - Production major are not required to take the Graduation Record Examination (GRE) but official GRE scores must be reported for the Motion Picture Arts - Writing major.

Health Insurance

Students seeking degrees in certain majors, including film, assume any exposure to the particular hazards associated with that major. As protection for our students, the College of Motion Picture Arts requires that majors present proof of health and accident insurance (name of insurer and policy number) prior to registration in the Fall semester of each year. Students are expected to maintain this insurance throughout their enrollment in the program.

COLLEGE OF MUSIC

Dean: Patricia J. Flowers; **Senior Associate Dean:** Seth Beckman; **Associate Deans:** William Frederickson, Leo Welch

The College of Music is a vital, integral component of the Florida State University community. It serves as a center of excellence for the cultural development of the community, state, region, and nation, and offers a comprehensive program of instruction for all students who expect to become professional musicians: performers, composers, scholars, educators, administrators, and therapists. For the general University student, it offers a wide spectrum of opportunities for disciplined personal growth and creative achievement. Further, the College maintains the highest quality faculty, students, curriculum, and facilities.

Numerous concerts and recitals are offered by the College of Music throughout the school year. Performing organizations include the Baroque Ensemble, Brass Ensembles, Chamber Choir, Chamber Orchestra, Chamber Winds, Choral Union, Collegians (Men's Glee Club), Concert Bands, Duo Piano, Early Music Ensembles, Jazz Ensembles, Jazz/Pop Vocal Ensembles, Marching Chiefs, Music Theatre Ensemble, New Music Ensemble, Opera Chorus, Opera Orchestra, Percussion Ensembles, String Ensembles, Symphonic Band, University Chorale, University Philharmonia, University Singers, University Symphony, Wind Orchestra, Woodwind Ensembles, Women's Glee Club, and World Music Ensembles. In addition, there are numerous student and faculty chamber-music groups. The College of Music sponsors many faculty solo recitals, as well as faculty chamber music recitals. Of particular interest to the music student are certificate and degree recitals and programs sponsored by music honoraries. A monthly calendar of College of Music programs and other cultural activities on campus is available on the College of Music Web site at <http://music.fsu.edu/>.

The following honorary societies and professional fraternities are sponsored by the College of Music: the Phi Chapter of Pi Kappa Lambda; the Epsilon Iota Chapter of Phi Mu Alpha Sinfonia; the Beta Alpha Chapter of Sigma Alpha Iota; the Gamma Nu Chapter of Kappa Kappa Psi; the Alpha Omega Chapter of Tau Beta Sigma; the Alpha Chapter of Alpha Mu; the Beta Chi Chapter of Mu Phi Epsilon; the Florida State University Music Theory Society; the Florida State University Society for Musicology; and collegiate chapters of the National Association for Music Education, the American Choral Directors Association, and the American Guild of Organists.

The College of Music has been a fully accredited member of the National Association of Schools of Music since 1930, and its degree requirements are in accordance with the latest published regulations of that association. Following are the undergraduate degrees offered by the College of Music:

Bachelor of Music—Performance:

- Piano
- Organ
- Voice
- Strings (violin, viola, cello, double bass)
- Woodwinds
- Brass
- Percussion
- Harp
- Guitar (classical)

Bachelor of Music—Music Theatre

Bachelor of Music—Composition

Bachelor of Music—Music Theory

Bachelor of Music—Music Therapy

Bachelor of Music Education

- Choral
- Instrumental
- General

Bachelor of Arts in Music

In addition to the Bachelor of Music and Bachelor of Music Education degrees, the Bachelor of Arts degree in music is offered through the College of Music. The Bachelor of Arts degree in music allows students the opportunity to tailor their degree programs to their specifications by combining other areas of interest with general music studies, such as commercial music, sacred music, and jazz.

The College of Music provides a music minor for the divisions of the University that require a minor course of study. Admission to the minor program requires the following:

1. approval of the major department;
2. approval of the College of Music; and
3. an approved placement audition level on an acceptable instrument or voice.

Detailed information can be obtained from the College of Music's undergraduate studies office.

The following are the graduate degrees offered by the College of Music:

Master of Music with majors in

- Performance
- Music Accompanying
- Piano Pedagogy
- Choral Conducting
- Instrumental Conducting
- Jazz Studies
- Music Theory
- Music Composition
- Musicology (both historical and ethnomusicology)
- Opera Production
- Music Therapy

Master of Music Education

Master of Arts in Music – Liberal Studies

Master of Arts in Arts Administration

Doctor of Philosophy in Music Education

Doctor of Philosophy in Music

- Musicology
- Music Theory and Composition

Doctor of Music in Composition

Doctor of Music in Performance

Consult the *Graduate Bulletin* for information on the graduate programs offered by the College of Music.

Facilities

Music Facilities

The College of Music enjoys excellent teaching, research, and performance facilities. The two College of Music buildings are located on Copeland Street on the east side of the campus. The *Kuersteiner Building*, completed in 1948, is a four-story structure that is connected to the *Wiley L. Housewright Music Building*, which was completed spring 1979. The College of Music also occupies a number of offices in the *Longmire Building*. These buildings house the administrative offices; teaching studios; classrooms; band, orchestra, choral, opera, and ensemble rehearsal halls; music education and music therapy research laboratories; electronic music studios; ethnomusicology studios; early music studios; concert and recital halls; the **Warren D. Allen Music Library**; the **Center for Music Research**; and 130 practice rooms. All music facilities are structurally designed for maximum effectiveness.

Concert Facilities

The **Opperman Music Hall** is a 430-seat recital hall located in the *Kuersteiner Building*. The facility is used for faculty and student recitals, concerts, and lectures. The **Ernst von Dohnanyi Recital Hall**, located in the *Housewright Music Building*, is a 218-seat facility used for recitals and lectures. The **Lindsay Recital Hall**, located in the *Kuersteiner Building*, is a 125-seat facility used for recitals and lectures. The **Longmire Recital Hall** in the *Longmire Building* is a 120-seat facility used for recitals and lectures. The **Owen F. Sellers Music Amphitheatre** is used for outdoor performances in the fall and spring. **Ruby Diamond Concert Hall** is a large concert facility used for opera and major concert productions.

Music Library

The **Warren D. Allen Library** is conveniently located in the *Housewright Building*, where it serves the students and faculty of the College of Music

as well as many users from other areas of the University. One of the major music libraries of the southeastern United States, the music library provides a pleasant setting conducive to the efficient utilization of the extensive collection of over 160,000 scores, sound recordings, videos, books, periodicals, and microforms. Housed in 18,000 square feet of space with comfortable furnishings and excellent sound equipment, the music library provides students with impressive resources and surroundings for the pursuit of their studies. Three librarians and other library staff are on duty to assist students and faculty in their use of the library.

Opera Shops

Built between 1977 and 1978, the **Opera Scene Shop** provides 6,000 square feet of construction space with some storage area. The building features a drafting office, elevated grid area for constructing wagons and assembling scenic flats or drops, complete hand and table tools, and a wooden "stage" area for painting drops. An opera production is built there each semester, as well as sets for opera scenes and opera majors' projects.

The **Opera Costume Shop** is located in the *Kellogg Building*. Costumes are constructed or alterations are made on rental costumes each semester. In addition, costumes are constructed for various opera workshop scene programs.

Organs

A 1975, thirty-four stop Holtkamp tracker (mechanical action) organ in Opperman Music Hall is used for recitals, concerts, and lessons. Practice organs include tracker and electric action instruments by Holtkamp and Wicks. Two portable continuo organs are available for performances requiring small instruments: a 1976, four stop Holtkamp; and a 2003, three stop Bennett and Giuttari with transposing keyboard. On permanent loan from the College to St. John's Episcopal Church, Tallahassee, a restored English chamber organ built by Hill and Davison between 1837 and 1838 is available in the church's Carter Chapel. Fine organs by Taylor & Boody, C. B. Fisk, and Casavant are available through longstanding arrangements with downtown churches within easy walking distance of the College. Two small organs are on order from Juget-Sinclair Organbuilders, Montreal, and will be delivered in late 2013: a four stop continuo organ with transposing keyboard for use by the Choral Department and a four stop practice organ to be added to the organ practice room suite.

Opportunities

Honors Program

The College of Music offers honors work in several degree programs to encourage talented juniors and seniors to undertake independent and original research as part of the undergraduate experience. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Certificate Programs

In addition to the degree programs, the College of Music offers certificate programs that provide additional specialized areas of emphasis. The certificate programs offered include:

- Arts Administration, Graduate
- College Teaching, Graduate
- Early Music, Graduate
- Jazz Studies, Undergraduate
- Music Education and Leadership, Graduate
- Music of the Americas, Graduate
- Music Therapy Equivalency, Graduate
- Pedagogy of Music Theory, Graduate
- Performance, Undergraduate
- Piano Pedagogy, Undergraduate
- Sacred Music (instrumental or vocal emphasis), Undergraduate
- Special Music Education, Undergraduate
- World Music, Graduate

Additional information regarding the certificate programs may be obtained from the College of Music's undergraduate or graduate studies offices.

Special Events

The College of Music provides students an opportunity to participate in many special events and experiences each year. Students interested in receiving

additional information should contact the College of Music's publicity office or the College's undergraduate/graduate studies offices. A partial listing includes the following:

The **Festival of New Music**. This biennial festival features recent works by composers from throughout North America.

Housewright Scholar Residencies. The College of Music enjoys the residencies of visiting scholars each year through the Lucilla and Wiley Housewright Eminent Scholar Chair in Music.

Summer Music Camps. Each year the College of Music provides a performance institute for high school and junior high school musicians.

Other Special Events. The College of Music regularly hosts various conventions and workshops, presents festivals, and gives special courses.

Work-Study. Students eligible for work-study through the Office of Financial Aid may request employment through the College of Music.

Faculty Citations. The College of Music may award faculty citations to outstanding students who are pursuing the baccalaureate degree or to graduates who hold a baccalaureate degree from the College of Music. These citations bear the names of distinguished former members of its faculty: the **Ernst von Dohnanyi** citation for excellence in performance or composition; the **Ella Scoble Opperman** citation for distinguished achievement in the teaching of music and outstanding leadership; and the **Warren D. Allen** citation for excellence in scholarship. With faculty approval, additional citations may be awarded to graduates who hold master's or doctorate degrees from the College of Music.

Scholarships/Awards

College of Music financial assistance is available in the form of undergraduate music scholarships and out-of-state tuition waivers. These awards are available to undergraduate applicants who demonstrate superior musical ability and are normally renewable provided satisfactory academic and musical progress is demonstrated.

College of Music scholarship assistance ranges from \$500 to \$3,000 for in-state students and \$500 to \$14,000 for out-of-state students. All undergraduate music major applicants are considered for College of Music financial assistance when they audition, provided they audition no later than the deadline established annually by the College of Music.

Additional information regarding College of Music financial assistance may be obtained from the College of Music Web site or by contacting the College of Music's undergraduate studies office.

Requirements

Undergraduate Studies

Program Director: Dr. Ted Stanley

All students working toward the Bachelor of Music degree, the Bachelor of Music Education degree, or the Bachelor of Arts degree in Music register directly in the College of Music.

Students enrolled in other divisions of the University may take courses in music with the approval of the instructor and the Dean of the College of Music.

Liberal Studies Program. Undergraduates are required to meet the liberal studies requirements as specified in the various music curricula.

Specific Requirements for all Music Majors

Placement Audition. All entering students are required to take a placement audition in applied music. All applicants must meet appropriate minimum standards through this audition before being granted admission to the College of Music. This audition is heard by a faculty jury and is closed to all except the area faculty concerned. Students are expected to be prepared to play or sing representative works of acceptable repertoire. If students meet the minimum standard requirement but are below freshman level, they must enroll in the applied music MV_101_ series until prepared for the MV_131_ or MV_141_ series. All students have the option of a reexamination for a higher course number at the end of any semester.

Jury Examinations. All students must meet the applied music proficiencies for their individual degree program each term for continuation in the music major. Jury examinations are **required** of all majors and principals at the completion of a two-semester sequence.

Note: At their discretion, applied teachers may require a student to take a jury examination at the end of any semester.

Recital Examinations. Candidates for the Bachelor of Music degree in performance are required to present a joint recital during the junior year (MV_3970) and a complete recital in the senior year (MV_4971). An examination will precede each of these recitals by at least two weeks. The area faculty will

determine the content of the examination. A candidate who passes the examination by a two-thirds positive majority (unless otherwise specified by the area or degree) is eligible to present the required recital.

Student Recital. All undergraduate music majors must enroll and receive a satisfactory grade (“S”) in student recital attendance (MUS 1010r) for a total of six semesters during the undergraduate degree program. Attendance requirements for transfer students who were music majors at the institution from which the transfer is made will be determined by the College of Music in accordance with the number of semester hours completed.

Chamber Music. All woodwind and brass first-year and first-year transfer students must register for MUN 2460 Chamber Music during the first Spring and second Fall terms. String first-year and first-year transfer students must register during the first two Fall terms. Other transfers in these areas must register for MUN 2460/4463 during their first Fall term at the University.

Curricular Regulations

Auditions. Placement auditions for all undergraduate majors and music minors are required prior to registration. Jury examinations are given following two semesters of study in each applied music series (MV 1311–4346 series for all majors except performance majors; MV 1411–4446 series for performance majors).

Liberal Studies Requirements. Liberal studies requirements for all undergraduate curricula are listed by areas in the “Undergraduate Degree Requirements” chapter of this *General Bulletin*. Undergraduate music majors will fulfill the Area IV Humanities/Fine Arts requirement by electing MUL 2110 Survey of Music Literature (two semester hours), one year of MUH 3211-3212 Survey of Music History (six semester hours,) and an approved literature course (a total of eleven semester hours). Therapy, choral, instrumental, and general music education majors will elect PSY 2012 General Psychology as three of the six required semester hours in Area III History/Social Science.

All Music Majors. A candidate for a baccalaureate degree must satisfy the following University requirements:

1. Liberal studies cumulative grade point average (GPA) must be 2.0 or higher
2. Cumulative GPA on all college work must be 2.0 or higher. Cumulative GPA for all music courses must be 2.0 or higher
3. Courses in liberal studies used to fulfill State Board of Education Rule 6A-10.030 must each be completed with a grade of “C-” or higher
4. A minimum of forty-five semester hours of upper division must be completed (3000 and 4000 level courses)
5. The final thirty semester hours must be completed at Florida State University; and
6. A minimum of one hundred twenty semester hours is required for graduation.

Each student is strongly urged to be knowledgeable of curricular requirements and University regulations that govern the student’s selected academic program. Although a faculty adviser is assigned to aid and assist a student in academic advisement matters, it is imperative for a student to assume the personal responsibility regarding academic progress and successful completion of the program.

Curricula Leading to the Bachelor of Music Degrees

Note: Students are encouraged to obtain specific program of study guides from the College of Music Web site, at <http://music.fsu.edu/>.

Performance Majors. Candidates for the Bachelor of Music degree in performance must select an area of concentration—piano, organ, voice, harp, guitar, percussion, or a string, woodwind, or brass instrument—and follow the curriculum in the chosen area of concentration. Bachelor of music degree candidates in all areas of performance are required to present a joint recital during the junior year (MV 3970) and a complete recital during the senior year (MV 4971). An examination will precede every such recital by at least two weeks.

All performance majors except piano and organ majors are required to demonstrate proficiency in playing piano accompaniments of medium difficulty (completion of second-year class piano [MVK 2121r] requirements). Credit earned in class piano may be used to satisfy the applied music secondary requirement. This requirement must be met before the end of the junior year.

Piano Performance Majors. Total of one hundred twenty semester hours: thirty-four semester hours and jury competency in applied music, including junior and senior recitals; four semester hours in keyboard literature; twenty-two semester hours in theory; ten semester hours in music history and literature; eight semester hours of ensemble; eight semester hours of piano pedagogy and

piano accompanying; student recital attendance; one semester hour of music technology; one semester hour of conducting, and thirty-six semester hours of liberal studies.

Organ Performance Majors. Total of one hundred twenty semester hours: thirty-two semester hours and jury competency in applied music, including junior and senior recitals; two semester hours in applied music secondary; six semester hours in pedagogy and repertory; twenty-two semester hours in theory; ten semester hours in music history and literature; four semester hours of ensemble; student recital attendance; twelve semester hours of a foreign language; one semester hour of music technology; one semester hour of conducting; and thirty-six semester hours of liberal studies.

Voice Performance Majors. Total of one hundred thirty-three semester hours: twenty-four semester hours and jury competency in applied music, including junior and senior recitals; four semester hours in applied music secondary; twenty-two semester hours of theory; ten semester hours in music history and literature; eight semester hours of ensemble; student recital attendance; twenty-one semester hours in diction/foreign language; five semester hours of choral literature and conducting and vocal pedagogy; six semester hours of vocal solo literature; four semester hours of opera/music theatre electives; one semester hour of music technology; and twenty-eight semester hours of liberal studies.

Strings Performance Majors (Violin, Viola, Cello, Double Bass). Total of one hundred twenty semester hours: thirty-two semester hours and jury competency in applied music, including junior and senior recitals; four semester hours in applied music secondary; twenty-two semester hours of theory; ten semester hours in music history and literature; twelve semester hours of ensemble; student recital attendance; eight semester hours of repertory and pedagogy; one semester hour of conducting; one semester hour of music technology; and twenty-eight semester hours of liberal studies.

Harp Performance Majors. Total of one hundred twenty semester hours: thirty-six semester hours and jury competency in applied music, including junior and senior recitals; four semester hours in applied music secondary; four semester hours in harp pedagogy and literature; twenty-two semester hours of theory; ten semester hours of music history and literature; student recital attendance; eight semester hours of ensemble; four semester hours of electives; one semester hour of music technology; one semester hour of conducting; and twenty-eight semester hours of liberal studies.

Guitar Performance Majors. Total of one hundred twenty-four semester hours: thirty-two semester hours and jury competency in applied music, including junior and senior recitals; four semester hours in applied music secondary; twenty-two semester hours of theory; ten semester hours in music history and literature; four semester hours of ensemble; student recital attendance; twelve semester hours in repertory and literature and pedagogy; eight semester hours of foreign language; one semester hour of conducting; one semester hour of music technology; and twenty-eight semester hours of liberal studies.

Woodwind, Brass, or Percussion Performance Majors. Total of one hundred twenty semester hours: twenty-eight semester hours and jury competency in applied music, including junior and senior recitals; four semester hours in applied music secondary; six semester hours in wind and percussion instrument literature and pedagogy; twenty-two semester hours of theory; ten semester hours of music history and literature; student recital attendance; twelve semester hours of ensemble; six semester hours of electives; one semester hour of music technology; one semester hour of conducting; and twenty-eight semester hours of liberal studies.

Composition. Approval by the composition faculty is required for admission to the program. Total of one hundred twenty semester hours: sixteen semester hours and jury competency in applied music; six semester hours in applied music secondary; thirty-two semester hours of theory; nineteen semester hours of composition; ten semester hours of music history and literature; student recital attendance; senior recital of compositions; six semester hours of ensemble; one semester hour of electives; one semester hour of music technology; one semester hour of conducting; and twenty-eight semester hours of liberal studies.

Candidates for the Bachelor of Music degree in composition must pursue, and complete by jury exam, the study of a principal instrument through the MV 4341–4346 series. If keyboard is not chosen as the principal instrument, the candidate must fulfill the requirements of the completion of third-year (MVK 3131r) class piano. A recital of compositions by the composition major is required during the senior year.

Music Theory. Approval by the theory faculty is required for admission. Total of one hundred twenty semester hours: sixteen semester hours and jury competency in applied music; six semester hours in applied music secondary; thirty-two semester hours of theory; three semester hours of composition; ten semester hours of music history and literature; student recital attendance; two semester hours of electives; two semester hours of thesis; six semester hours

of ensemble; twelve semester hours of German; one semester hour of music technology; one semester hour of conducting, and twenty-eight semester hours of liberal studies.

Candidates for the Bachelor of Music degree in theory must pursue, and complete by jury exam, the study of a principal instrument through the MV 4341–4346 series. If keyboard is not chosen as the principal instrument, the candidate must fulfill the requirements of the completion of third-year (MVK 3131r) class piano. A senior thesis by the theory major is required during the senior year.

Music Theatre. Approval by the music theatre faculty is required for admission. Total of one hundred twenty semester hours: sixteen semester hours and jury competency in applied music, including junior recital equivalency; four semester hours in applied music secondary; sixteen semester hours of theory; ten semester hours of music history and literature; fourteen semester hours of theatre studies; fifteen semester hours of movement techniques/dance; four semester hours of music theatre repertory; two semester hours of ensemble; one semester hour of major performance role; eight semester hours of music theatre workshop; student recital attendance; one semester hour of music technology; one semester hour of conducting; and twenty-eight semester hours of liberal studies.

Music Therapy. Total of one hundred twenty-seven semester hours: twelve semester hours and jury competency in applied music; seven semester hours in applied music secondary; sixteen semester hours of theory; ten semester hours of music history and literature; twenty-nine semester hours of music therapy; three semester hours of other music; two semester hours of senior project; student recital attendance; seven semester hours of ensemble; sixteen semester hours of behavioral/health/natural science; three semester hours of elective; and twenty-eight semester hours of liberal studies. Following the completion of the academic program, candidates must serve a six-month resident internship at an affiliated, approved clinical center. Certain courses may satisfy both liberal studies and degree requirements. Candidates for the Bachelor of Music degree in music therapy who complete by jury exam the MV 2321–2326 level in the principal performance area may continue principal instrument study or may elect to study in two or three secondary performance areas. Dance may be used as one of the secondary performance areas. If piano is not the principal instrument, the candidate is required to meet the minimum internship requirements in piano either by completion of second-year class piano requirements (MVK 2121r) or by examination. A total of eighteen semester hours in applied music is required. Students completing the bachelor's degree in music therapy are eligible to sit for the National Certification Examination and earn the credential MT-BC (Music Therapist Board Certified).

Curricula Leading to the Bachelor of Music Education Degrees

Music Education Majors. Candidates for the Bachelor of Music Education degree in choral music must choose as a principal instrument voice, piano, harp, guitar, or organ. Candidates for the Bachelor of Music Education degree in instrumental music will choose as a principal instrument piano, organ, guitar, or an orchestral or band instrument. Candidates for the Bachelor of Music Education degree with an emphasis in music for the general student must choose as a principal instrument voice, piano, harp, guitar, organ, or a band or orchestral instrument. All music education majors must complete applied music requirements as specified in the respective curricula. All music education majors are required to meet the minimum requirements in class piano and class guitar prior to internship.

Florida has placed the following requirements on entry to a teacher certification program:

1. Grades of “C–” or better in all freshman English and basic mathematics courses; and
2. Additional requirements as stipulated by each department.

Admission to the Music Education Professional Sequence. The music education professional sequence comprises the following upper-division courses in the music education curriculum: MUE 3311, 3334, 3343, 3344, 3443, 3491, 3492, 3493, 3494, 3495r, 3496r, 4342, 4392, 4411, 4433, 4480, 4481, 4940; MUS 4970r.

Students pursuing the bachelor of music education degree in general, choral, or instrumental music may apply to the Internship Committee for admission to the professional sequence upon completion of the equivalent of forty-five semester hours at Florida State University or transfer of forty-five (45) semester hours from an accredited community college or senior institution. Students may not enroll in courses listed in the professional sequence prior to formal approval by the Internship Committee.

Qualification for admission to the professional sequence is based upon the following minimum criteria:

1. Cumulative GPA of 2.5

2. Cumulative music GPA of 3.0
3. Successful completion of MUE 2040 with minimum grade of “C–”
4. Successful completion of the FTCE
5. Completion of liberal studies requirements in English and mathematics with minimum grade of “C–”
6. Successful completion of sophomore level applied jury; and
7. Satisfactory faculty evaluations in the areas of music education, applied music, music theory, class piano/guitar, and ensembles.

Transfer students who do not meet all of the above criteria may be admitted to the professional sequence on a provisional basis and may enroll in a maximum of five semester hours of professional sequence coursework during the first term of residence. Students assigned provisional status must complete all requirements and achieve a minimum overall GPA of 2.8 at the conclusion of the first term.

Students may be required to appear before the Internship Committee for an interview. The committee will approve or reject the petition on the basis of the criteria stated above as well as other factors that relate to teaching competency. Applicants denied admission may appeal during the subsequent semester. Those who reapply must appear in person, document the removal of deficiencies that previously prevented admission, and present any other pertinent information to support reconsideration of the application.

Students applying for teacher certification in the state of Florida upon completion of the degree program should request that the certificate be assigned under the status of music education K–12.

Bachelor of Music Education—Instrumental. Total of one hundred thirty-four semester hours: twelve semester hours and jury competency in applied music; three semester hours in applied music secondary; sixteen semester hours of theory; ten semester hours of music history and literature; four semester hours of ensemble; student recital attendance; fifty-one semester hours of music education including internship (students intending to intern in an elementary school must complete MUE 3344 [3] the semester preceding internship); two semester hours of senior project/recital; three semester hours of psychology; five semester hours of electives; and twenty-eight semester hours of liberal studies.

Bachelor of Music Education—Choral. Total of one hundred thirty-four semester hours: twelve semester hours of applied music; five semester hours of applied music secondary; sixteen semester hours of theory; ten semester hours of music history and literature; two semester hours of senior project/recital; student recital attendance; forty-seven semester hours of music education including internship (students intending to intern in an elementary school must complete MUE 3344 [3] the semester preceding internship); six semester hours of ensemble; three semester hours of psychology; five semester hours of electives; and twenty-eight semester hours of liberal studies.

Bachelor of Music Education—General Emphasis. Total of one hundred thirty-four semester hours: twelve semester hours and jury competency in applied music; six semester hours in applied music secondary; sixteen semester hours of theory; ten semester hours of music history and literature; five semester hours of ensemble; student recital attendance; forty-seven semester hours of music education including internship; two semester hours of senior project; three semester hours of psychology; five semester hours of electives, and twenty-eight semester hours of liberal studies.

Curriculum Leading to the Bachelor of Arts Degree in Music

Total of one hundred twenty semester hours: eight semester hours and jury competency in applied music; sixteen semester hours of theory; ten semester hours of music history and literature; four semester hours of ensemble; twelve semester hours of upper-division music electives; student recital attendance; twelve semester hours of foreign language; thirty semester hours of electives/minor requirements; and twenty-eight non-music semester hours of liberal studies. At least sixty-six semester hours must be earned in non-music coursework.

Requirements for a Minor in Music

Admission to the program is by approval of the College of Music and by a placement audition at the principal level on an acceptable instrument or voice.

Music Minor. Total of twenty-five semester hours: four semester hours in applied music; twelve semester hours of theory; seven semester hours of music history and literature; two semester hours of ensemble; and two semesters of student recital attendance.

COLLEGE OF NURSING

Interim Dean: Dianne Speake

The College of Nursing has been educating men and women for the practice of professional nursing since 1950. The College offers undergraduate and graduate programs leading to the Bachelor of Science in Nursing (BSN), a Master of Science in Nursing (MSN) and a Doctorate of Nursing Practice (DNP). For further information on graduate programs, see the *Graduate Bulletin*.

The undergraduate programs are approved by the Florida Board of Nursing and accredited by the Commission on Collegiate Nursing Education. The mission of the College of Nursing is to develop nursing leaders for professional practice and research in diverse settings.

At the completion of the program, the student will have met all major requirements for the Bachelor of Science in Nursing. The traditional graduate of the nursing program also will have met the academic eligibility requirements for taking the state licensing examination for registered nurses.

The program is an upper-division limited access major with required sequential course offerings and elective courses in nursing. The nursing courses are based on concepts and principles from liberal studies, the supporting biological and behavioral sciences, and nursing theory. This theoretical base is used with the nursing process in the systematic development of nursing care for individuals and groups in a variety of health care settings.

The program objectives of Florida State University's College of Nursing undergraduate program are to educate students who will be able to:

1. integrate knowledge, skills, and values from liberal studies with nursing science to provide safe, effective nursing care
2. assume basic organization and leadership roles in the provision of high-quality nursing care
3. demonstrate beginning scholarship and analytical methods for evidence-based nursing practice
4. use information management and patient care technology to improve care delivery
5. demonstrate understanding of the impact of health-care policy, finance, and regulatory environments on patient care and nursing practice
6. use inter-professional communication and collaboration skills to optimize patient health outcomes
7. incorporate prevention of illness and population health strategies for optimizing health-related outcomes
8. demonstrate professionalism; and
9. provide compassionate nursing care guided by a scientific base of knowledge.

The traditional BSN program is an upper-division major with required prerequisites and a sequential ordering of courses in semesters I - IV. The accelerated BSN program is an upper-division major with required prerequisites and a sequential ordering of courses for students having a bachelor's degree or higher in another discipline.

Facilities

A variety of clinical laboratory settings are utilized for meaningful learning experiences. The College of Nursing Simulation Laboratories, Tallahassee Memorial HealthCare, Florida State Hospital, Elder Care Services, Apalachee Community Mental Health Center, Leon County Public Health Department, Capital Regional Medical Center, Leon County Schools, Tallahassee Pediatric Foundation, Children's Medical Services and other agencies in Leon and surrounding counties are used for the clinical component of the program. In addition, Wolfson Children's Hospital in Jacksonville, Florida is used for pediatric clinicals. Internship clinical sites are available in partnership with acute care facilities in Florida and South Georgia. All experiences are under the direction of the faculty of Florida State University's College of Nursing.

Opportunities

The College of Nursing offers honors coursework in the baccalaureate program. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Scholarships

Students requiring financial assistance should file an application with the Office of Financial Aid or confer with an academic adviser at the College of Nursing. Numerous scholarships and loans from federal, state, private, and College of Nursing sources are available.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. BSC X085C or BSC X085/X085L or BSC X093C or BSC X093/X093L
2. BSC X086C or BSC X086/X086L or BSC X094C or BSC X094/X094L
3. CHM XXXX or BCH XXXX or BSC XXXX or PCB XXXX or PHY XXXX
4. DEP X004 or DEP X054 or DEP X000 or DEP X414
5. HUN X201 or NUR X192
6. MCB X010C or MCB X010/X010L or MCB X013C or MCB X013/X013L or MCB X000/X000L or MCB X004/X004L
7. PSY XXXX or SOP XXXX or SYG XXXX
8. STA X014 or STA X023 or STA X122 or STA X022

BSN Program Requirements

Students desiring to enter the nursing profession should indicate their major preference on the University application and seek guidance from an academic adviser in the College of Nursing. A separate application to the College of Nursing is required for upper division admission to the nursing program. The College of Nursing reserves the right to interview applicants at its discretion. Application deadline for Fall is February 1st.

The College of Nursing is a limited enrollment program, and admission is competitive based on previous academic performance and external testing. Effective Fall 2011, the College of Nursing transitioned to freshman admissions. Beginning Fall 2013, a limited number of spaces at junior level will be available for upper division and transfer students with competitive GPAs and SAT scores. The Florida Board of Nursing and several state and/or private agencies require the disclosure of conviction records for misdemeanors and/or felonies; therefore, this information will be required at the time of admission. Legislation aimed at protecting the public has made it necessary to require a Level II criminal background check (this includes FDLE, FBI, and Certified Background Check) for all students admitted to the College of Nursing. The Level II report must be on file at the College of Nursing before students can enroll. If the background check reveals violations resulting in students being denied admission to a clinical agency and/or access to patients in the agency, and if a comparable assignment cannot be made to meet course objectives, the student will be unable to progress and complete the program in the College of Nursing. Completion of the curriculum does not guarantee the Florida Board of Nursing (or any other licensing body) will allow students with criminal records to take the licensing examination to become a registered nurse. The cost for these background checks must be paid by the student. The Certified Background Check will include the following: Patriot Act, Social Security Alert, Nationwide Healthcare Fraud and Abuse Scan, Sex Offender Index, local criminal check, residence history, and employment verification. Students will be required to submit a notarized Affidavit of Good Moral Character on an annual basis following the initial background check. Additional background checks may be required during the program based on clinical agency requirements. Drug screening will be required upon admission, and additional screening may be required throughout the program.

Students enrolled in the nursing program are expected to exhibit behavior that conforms to the Nurse Practice Act of the State of Florida. The College of

Nursing reserves the right to refuse or discontinue enrollment of any student if the student violates the Nurse Practice Act of the State of Florida or in the judgment of the faculty the student does not meet the College's standards.

A drug math requirement is included in specified nursing clinical courses. A student must achieve 100% accuracy to meet the drug math requirement of each clinical course. If a student fails to achieve 100% on a third, repeat testing, the student fails the specified course.

To support the clinical competence of each student and promote patient safety, the College of Nursing has adopted a requirement for clinical skills testing. Each student is required to successfully complete clinical skills testing. A student who fails to perform the testing correctly and safely is permitted one repeat testing. Inability to demonstrate skills successfully and safely by the second attempt affects the student's progression in the program and s/he may not continue in clinical coursework.

A student who is passing a nursing course but has not completed all the required work for the course at the end of the term may, with the permission of the instructor, be assigned a grade of "I", or incomplete. Students may not carry an incomplete grade in a prerequisite course through the next term. If the incomplete grade is not changed to a passing grade by the end of the drop/add period at the beginning of the next term, the student will be dropped from the continuing course(s).

A student must achieve a grade of "C" (2.0 on a 4.0 scale) or higher in each nursing theory and clinical (both elective and required) course. Any course in which a grade below "C" is earned must be repeated before the student will be allowed to progress. Students who earn two final course grades below "C" (including a grade of "U") in theory and/or clinical courses, whether repeated or not, will not be permitted to continue in the College of Nursing. Students may repeat a nursing course only one time. Students will not be permitted to repeat a clinical course in the same semester in which the course was originally taken. Students are not permitted to take two different level clinical or theory courses at the same time.

Nursing majors are responsible for transportation expenses related to clinical experiences. They are required to carry health and accident insurance. To safeguard the health of clients, nursing students are required to submit proof of health examination and immunizations upon entry into the nursing program. Students must maintain proof of BLS for Healthcare Provider certification, personal health insurance, and annual tuberculin skin testing throughout enrollment in the College of Nursing. Additional requirements may be imposed by individual clinical facilities/agencies.

Candidates for the Bachelor of Science degree in the undergraduate nursing program must comply with University regulations governing Baccalaureate degrees and must complete the following:

1. All University undergraduate degree requirements, including specific prerequisites as outlined above
2. Required nursing courses
3. Required testing throughout the program (a fee, subject to change without notice, must be paid)
4. Completion of an achievement exam in the final senior semester

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY

Dean: David W. Rasmussen; **Associate Deans:** Robert E. Crew, Jr., Graham C. Kinloch

The University established social sciences as a separate College in 1973. The departments and programs that make up the College date from the earliest days of the University.

Students in the College excel in all aspects of University life. Graduates of the College have won some of the most prestigious academic awards available to undergraduate students, including the Truman, Cooke Foundation, and Rhodes Scholarships. Twenty-one students from the social sciences have served as president of student government. Our graduates have been ambassadors, senators, governors, and corporate CEOs, and have excelled in virtually all areas of the government, academic, non-profit, and private sectors.

The College's faculty teach courses and do research related to every socio-economic and political issue that confronts the United States at home and abroad. Among the distinguished faculty are nine eminent scholar chairs: the Mildred and Claude Pepper Eminent Scholar Chair in Social Gerontology, Jerry Collins Eminent Scholar Chair in Public Administration, Reubin O'D. Askew Eminent Scholar Chair in Florida Government and Politics, Rod and Hope Brim Eminent Scholar Chair in Economics, DeVoe Moore Eminent Scholar Chair in Economics, John and Hallie Quinn Eminent Scholar Chair for the Renewal of American Heritage and American Free Enterprise, Gus Stavros Eminent Scholar Chair in Economic Education, LeRoy Collins Eminent Scholar Chair in Civic Education, and Syde P. Deeb Eminent Scholar Chair in Political Science. A significant number of other faculty have been honored with named professorships because of their outstanding teaching and important research contributions.

Study in social science develops knowledge of people and society. Critical issues facing the United States and the world in the twenty-first century are the subject matter of our College. Here, critical thinking, analytical methods, and empirical skills are used to understand the key political, social, and economic issues that dominate our public discussions. Our subject matter helps the student understand those aspects of the basic liberal arts that deal with the individual in social context. This understanding includes the role of social diversity, such as the complex world of foreign cultures, the wide range of cultural experiences represented in the United States, and the value of recognizing these differences in one's own intellectual growth. The social sciences also foster analytical and critical thinking to better equip the individual to live in and understand our increasingly complex society. Finally, the social sciences help students explain different political, social, cultural, and economic structures, their importance, and the basis for their change and growth.

Programs and Structure

The College of Social Sciences and Public Policy focuses upon both basic knowledge and the application of that knowledge to policy questions and public affairs. In applied policy, the College's interests center on regional, national, and international affairs, and it has a particular interest in state issues, befitting the University's location in the capital of the state of Florida.

The College consists of one school, the Reubin O'D. Askew School of Public Administration and Policy; five departments: Economics, Geography, Political Science, Sociology, and Urban and Regional Planning; a number of research units: the Pepper Institute on Aging and Public Policy, the Center for Demography and Population Health, the DeVoe L. Moore and Family Center for the Study of Critical Issues in Economic Policy and Government, the Collins Center for Public Policy, the Stavros Center for Economic Education, and the Florida Public Affairs Center; and interdisciplinary programs in Asian Studies, African-American Studies, Social Science, International Affairs, Latin American and Caribbean Studies, Law and Society, Environmental Studies, Russian and East European Studies, Public Health, and Demography.

The instruction offered by the College meets a variety of needs within the University. Social science is a component of the liberal studies and Honors programs, and each of the departments offering a bachelor's degree has course offerings in liberal studies and Honors. The social sciences residential program in public and international affairs also helps students develop the critical capacities necessary for active participation in the affairs of the state, the nation, and the international community. The College offers nine programs of study for the bachelor's degree with departmental majors in economics and applied economics, geography, political science, and sociology, and the interdisciplinary programs listed above. In addition to these programs, undergraduate minors are offered in African-American studies, law and society, public administration, and urban and regional planning. Many students in other colleges of the University are either required to take some courses in

the College as part of their program of study (e.g., all College of Business majors take two courses in economics) or choose to do so as part of their electives. The College encourages and welcomes diversity in student background in its courses. Finally, the College has a large graduate program, offering the master's degree in twenty-two areas, the Doctor of Philosophy in six fields, and numerous graduate certificates. For details of graduate programs of the College, refer to the University's *Graduate Bulletin*.

The College views its role in undergraduate education as having at least three main parts. First, in its contributions to liberal studies and its courses taken by students as electives, the primary objective is to introduce students to the methods and modes of thought of the social sciences. Second, in its undergraduate degree programs, the College seeks to prepare its students both to be responsible and informed citizens with an appreciation of how the world works and to be ready for employment. Third, the College seeks to prepare students for further study in the social sciences or professional schools. Each undergraduate program has a faculty member as director, and academic advice is provided by the faculty. Professional academic advisers and peer advisers located in the College's student academic affairs office assist undergraduates with academic advising, career counseling, and graduation checks. The College actively participates in the liberal studies honors program and offers honors in the major in all of its programs. The College of Social Sciences and Public Policy's Residential Program in Public and International Affairs provides opportunities for students to take courses on a variety of topics related to government and public policy. Participants involved in this living and learning community benefit from a variety of academic and social enrichments and enjoy interaction with their instructors and fellow students.

The Reubin O'D. Askew School of Public Administration and Policy, the Departments of Economics, Geography, and Political Science, and the Interdisciplinary Programs in International Affairs and Social Science offer internship programs for qualified undergraduates. Some are open not only to majors, but to other students who meet the programs' criteria (see relevant entries in this *General Bulletin* for details). The University's location in the state capital provides excellent opportunities for internships.

All departments and programs in the College engage in contract and grant research, and there are often opportunities for work-study employment for qualified undergraduates either on outside-funded research or on University-funded activities.

The College regularly sends faculty and students to the University's London Study Center, the Florence Study Center, Valencia, and other international programs throughout the world. A semester in either the London or Florence center will usually fit into a student's program of study without delaying graduation and is very appropriate to most of the College's undergraduate programs. Other international activities include studies at the University of Costa Rica, the Republic of Panama, Japan, the Netherlands, Croatia, China, and Turkey.

Requirements

Undergraduate majors enter the College either from the University's Division of Undergraduate Studies or as junior-level transfers from other institutions or other colleges within the University. The economics program is a limited access program, and students wishing to major in economics should consult the "Department of Economics" entry in this *General Bulletin* for specific entry requirements. Students in good standing (i.e., with a GPA of 2.0 or better) and eligible for upper division may declare other non-limited access majors within the College. Most majors do have some required or recommended courses that are advisable to take in lower-division study. In addition, all majors are subject to mapping since Fall 2007. For more information, please go to <http://www.academic-guide.fsu.edu/>. It is therefore useful for potential majors to consult the relevant program entry in this *General Bulletin* well before they become juniors or enter the College.

General Requirements

1. Compliance with general University regulations governing baccalaureate degrees
2. For the bachelor of arts degree, completion of the special University-wide requirements for that degree
3. Completion of a major and a minor, with the exception that interdepartmental majors, international affairs, environmental studies,

African-American studies, Russian and East European studies, Asian studies, and interdisciplinary social science do not require completion of a minor

4. Not more than two semester hours in physical education activities may count toward the minimum credit-hour requirements for the baccalaureate degree. The limitation on applied music credit is not enforced on majors in the College with a music minor; and
5. International affairs, Asian studies and Russian and East European studies majors must meet University foreign language requirements in a relevant language whether they wish to receive a BA or a BS. The African-American studies major has a BA track in which the foreign language requirement must be met. Other majors in the College have no foreign language requirement if the student wishes to receive a BS.

Majors. Each candidate for the baccalaureate degree must complete major requirements in one of the departmental or interdepartmental programs listed below. The major consists of thirty to forty-two semester hours. For specific requirements, refer to the individual departments in this *General Bulletin*.

Departmental Majors. Economics and applied economics, geography, political science and sociology.

Interdepartmental Majors. African-American studies, Asian studies, international affairs, environmental studies, interdisciplinary social science, Latin American and Caribbean studies, Russian and East European studies.

Minors. Each candidate for the baccalaureate degree must complete a minor, unless he or she is pursuing an interdepartmental major. The minor may be taken in a program offered through the College of Social Sciences and Public Policy or through another College of the University. Minors are offered in the programs that offer majors, as well as public administration, law and society, and urban and regional planning. There is no minor in interdisciplinary social science. Students should consult their academic advisers on the choice of appropriate minor(s).

The minor will consist of at least twelve semester hours that meet both the requirements of the program offering the minor and the minor requirements of the student's major.

Work used in meeting minimal requirements for liberal studies or a foreign language requirement for the bachelor of arts degree may not be used for the minor. Generally, work used to complete the major may not also count for a minor. Students should consult their academic adviser.

Consult program and departmental entries in this *General Bulletin* for specific minor requirements.

Double Majors

Many students take two majors, i.e., a double major, rather than a major and a minor, and an increasing number of students follow this route to the baccalaureate degree. For a double major, the student must meet the program requirements of both majors, with the following exceptions: (1) The second major can count as the minor for the first major, and vice versa; and (2) If one of the majors is an interdepartmental major, semester hours in excess of thirty taken for the interdepartmental major may be counted toward the minimum requirements of the second major. The second major may be taken in a College other than the College of Social Sciences and Public Policy. Any specific questions about the overlap between majors should be directed to your academic adviser.

Combined Bachelor's/Master's Degree Programs

The College's combined bachelor's/master's degree programs provide academically talented students an opportunity to complete a bachelor's and a professional master's degree in a shorter time span. Qualified upper-division undergraduate students may take up to twelve hours for graduate credit, while counting those credits towards their bachelor's degree as well. Students from any undergraduate major taught at FSU may be accepted to the combined degree programs of either the Department of Urban and Regional Planning (Master of Science in Planning) or the Askew School of Administration and Policy (Master of Public Administration), or Public Health (Master of Public Health).

Preparation for the Study of Law

Many of the College's graduates enter law school. There are no required courses for admission to law schools, and law schools advise strongly against attempts to construct "prelaw" majors. Appropriate law school preparatory study is, thus, very flexible, and all of the College's undergraduate majors are appropriate. Students intending to apply to law school may consult their undergraduate program director or the College's academic support program coordinator.

Preparation for a Teaching Career

In order to teach in the state of Florida, a student must complete a teacher preparation program. The teacher education program may be combined with a baccalaureate degree from the College; however, students must formally apply and be admitted to teacher education, administered through the College of Education's Office of Student Services, 108 Stone Building. Admission to teacher education is distinct from admission to a College or undergraduate major, and has different admission criteria. For details, consult the "College of Education" chapter of this *General Bulletin*. Undergraduates who may wish to teach should consider taking teacher education simultaneously with their major programs.

Honors in the Major

The College of Social Sciences and Public Policy offers honors in the major in all of the College's programs. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Dean's List

Students in good standing who in any term carry a full-time course load of twelve or more graded semester hours with a term GPA of 3.5 or better earn the distinction of being on the dean's list.

COLLEGE OF SOCIAL WORK

Dean: Nicholas F. Mazza; **Associate Dean for Academic Affairs:** Dina J. Wilke; **Associate Dean for Research:** Amy Ai

The social work program at Florida State University has its origins in the early history of the institution, with social welfare content first being introduced into the curriculum in the 1920s. By the mid-30s, during the Great Depression, undergraduate courses in casework and group work were offered, as well as field placements at the Leon County Welfare Association and the Leon County Unemployment Relief Council.

In 1947, the year that the Florida State College for Women was named The Florida State University, the graduate program in social work accepted its first class of students. In 1949, Dr. Coyle Moore became the Chair of the Department of Social Welfare and the master of social work program was accredited by the Council on Social Work Education, which has earned reaccreditation continuously since that time. The School of Social Welfare was created in 1950. The undergraduate program was accredited in 1974, the first year that undergraduate programs were granted accredited status.

The PhD program in social work was approved by the Board of Regents in 1974 and accepted its first student in the fall of that year. In June 1973, as part of an overall University structural reorganization, the social work program became identified as the School of Social Work, and in the spring of 2005 became the College of Social Work. It is currently one of twenty-nine schools in the United States that offers social work degrees at the baccalaureate, master's, and doctoral levels and the first master's program in the U.S. with a complete online curriculum.

The College of Social Work is dedicated to the preparation of tomorrow's social workers who demonstrate awareness of the impact of the many social changes that have taken place in our contemporary world. The College's curriculum is continually updated, recognizing and responding to the changing demands made on the profession. The curriculum is rooted in the ecosystems perspective, which serves as an organizing framework for the entire program, thereby providing an effective basis for studying people and their environment. The combination of class and field work provides students with a rich educational experience and the opportunity for the integration of research, theory, and practice.

The College of Social Work is committed to the pursuit and delivery of excellence in social work education. Through teaching, research, and service, the College educates its graduates for productive careers as professional social workers in diverse arenas, contributes to the knowledge base guiding social welfare practice and policy decisions, and offers expertise and energy to local, state, and national concerns.

The College's initiatives build on the traditional heritage of social work, and are guided by a commitment to community-based social services. Recognizing that communities function as political, social, and familial entities, the College's efforts emphasize, but are not limited to, health care, mental health, and the special concerns of children, families, women, and the aged. In all of its capacities, the College recognizes and values mutuality among diverse community groups, and promotes models of service delivery empowering the poor and disadvantaged and ensuring the social services of all community members.

Degree Programs

Bachelor of Social Work (BSW)

BSW Program Director: Pamela W. Graham, MSW

The curriculum offered at the baccalaureate level is designed to enable students to provide services to individuals, families, groups, communities, and organizations in generalist social work practice.

Master of Social Work (MSW)

MSW Program Director: B. Craig Stanley, MSW

The curriculum at the MSW level is designed to provide quality preparation for high-quality advanced practitioners who will work with diverse client systems and problems. Students may choose an advanced curriculum in either clinical or social policy and administrative concentrations.

Doctor of Philosophy in Social Work (PhD)

PhD Program Director: Karen Randolph, PhD

The PhD program in social work is designed to advance the social work profession through the development of researchers/scholars and educators.

Overseas Study

International Program Director: Neil Abell, PhD

Florida State University offers students the opportunity to study abroad and to gain valuable experience through international internships. For information concerning eligibility, fees, and other details of these programs, contact the College's Director of International Programs. Social work majors are encouraged to consider these opportunities for study overseas.

Requirements

Requirements for a Major

Admission requirements to the undergraduate social work program include completion of liberal studies at Florida State University or completion of an Associate in Arts degree from a Florida public community college and a minimum of a 2.0 grade point average (GPA) on all college work attempted. In addition, students must meet the following prerequisites by the end of Term 4 (or before admission to FSU, if the student is transferring from a community college):

1. Completion of a course in each of the following cognates with a grade of "B-" or better: (a) American Government (American National Government or American Government); (b) Biology (Human Biology or Human Anatomy and Physiology); (c) Economics (Introduction to Economics, Microeconomics or Macroeconomics); (d) Introductory Psychology; and (e) Introductory Sociology or Social Problems
2. Completion of one of the following courses with a grade of "C-" or better in order to demonstrate computer competency: CGS 2060, 2064, or 2100
3. Complete a formal application to the BSW Program and attend a social work orientation during the first semester of coursework in the major.

A minimum of fifty semester hours in social work is required for graduation. It is expected that each student, with counsel from the adviser, will move through the required courses in the sequence specified in the academic map. Required courses in the major are SOW 1054r, 3203, 3350, 4104, 4232, 4323, 4341, 4360, 4403, 4414, 4510, 4522, and 4620 for a total of fifty credit hours.

Students must earn a minimum GPA of 3.0 in all social work courses attempted. No social work course with a "U" or a letter grade below "C" will apply toward a social work major.

The College of Social Work **does not** require a foreign language as part of its undergraduate program of studies. **However**, in order to graduate from Florida State University all students must provide the University with verification of completion of two units of the same foreign language in high school or at least eight semester hours of the same foreign language (or equivalent proficiency) at the college level. Students are expected to have satisfied this requirement upon admission to the University.

Students majoring in social work are not required to complete a minor in another department.

Field Education

Field Director: Katrina Boone, MSW

The purpose of field education is to provide students with a structured learning opportunity for development and reinforcement of appropriate levels of competence in the field of social work. Field education allows students to apply knowledge, values, and skills learned in the classroom to social work practice settings. As students undertake learning tasks within the reality of agency life, a vehicle is established whereby knowledge and theories can be applied, attitudes and values examined, and skills developed and refined.

The field education component of the College of Social Work is designed to ensure that each student completes a high quality educational experience in a supervised agency placement. This learning experience is designed to enhance a student's ability to integrate theory into effective evidence-based social work practice, broaden the range of skills for performing social work functions, and strengthen awareness of attitudes, motivations, and judgments identified with the profession of social work. The Office of Field Education selects field placements based on the potential for providing the range and depth of learning experiences necessary to achieve the educational objectives established for those students. Agencies affiliating with the College of Social Work represent the diversity found in social services throughout our community. The College offers a wide array of internships in both public and

private agencies, and with diverse populations of clients so that students will be provided opportunities for exposure to a wide range of social work roles and learning tasks.

Undergraduate field education, SOW 4510, is a twelve semester hour course (512 clock hours) that requires the student to register for and successfully complete a thirty-two hour per week field placement for one semester. Students must register concurrently for SOW 4522, Integrative Seminar. The field education course is designed to help students develop the skills necessary for generalist social work practice.

The course is restricted to social work majors and can only be taken after the completion of all courses necessary for the completion of the degree. The student must have a GPA of 3.0 or better in all social work courses and an overall GPA of 2.0 in order to register for SOW 4510.

Honors Programs

The College of Social Work encourages students to apply for the honors program. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Minor in Social Welfare

A minor in social welfare requires sixteen hours in social work courses with a grade of "B-" or better in each of the following courses: SOW 1054, SOW 3203, SOW 3350, and SOW 4620. At least six hours must be completed at FSU. Students must complete an application for the minor and register for SOW 3350. Please note that the minor does not qualify a student to apply for advanced standing graduate programs in social work or for professional certification or licensure.

Research and Outreach Programs

Institute for Family Violence Studies

The endowed Institute for Family Violence Studies has been established within the College of Social Work to research family violence as it occurs in all age groups, including children, adults, and the elderly; identify and explore related research domains, including supervised visitation, homelessness, and women's issues; disseminate the findings of this research at the local, state, national, and international levels; evaluate the effectiveness of family violence intervention; support the development of innovative programs for reducing family violence; analyze legislation addressing family violence issues; develop curricula that strengthen social work studies on family violence; provide continuing education and training opportunities to those working in agencies that provide services for those experiencing family violence; serve as a regional clearinghouse on resources related to family violence; and collaborate with the courts and community organizations on family violence concerns.

Institute for Social Work Research

The Board of Regents of the State of Florida University System established the Institute for Health and Human Services Research (IHHSR) in 1986. First called the Center for Human Services Policy and Administration, it was created as an interdisciplinary University-wide research institute, with a mission to conduct research for both the public and the private sector. Its goal is to develop and disseminate knowledge to support evidence-based practice and policy decisions. In 1999, IHHSR was relocated to the College of Social Work at Florida State University, and in 2005 was subsequently renamed the Institute for Social Work Research to reflect this move.

Multidisciplinary Evaluation and Consulting Center

The Florida State University Regional Multidisciplinary Evaluation and Consulting Center is a full-service, University-based diagnostic and training center that has been in operation since 1983. Comprehensive diagnostic and consultative services are provided to eighteen school districts in the Panhandle region of north Florida. Referrals also are accepted from the research schools at Florida State University and Florida A&M University, as well as Children's Medical Services and other state and community agencies. Multidisciplinary collaboration is an integral part of center services. The staff includes professionals from school, counseling, and clinical psychology, counseling education, and social work. Consultation with professionals from speech and audiology and pediatric medicine also is available.

Trinity Institute for the Addictions

The Trinity Institute for the Addictions is an endowed social work institute focused on biopsychosocial approaches toward the prevention and treatment of substance use, abuse, and dependence across all domains of practice. To that end, the Institute is dedicated to advancing translational research with an emphasis on intervention strategies to address the effects of addictive pro-

cesses on body, mind, and spirit. The scope of the Institute encompasses the conduct of etiological, epidemiological, and clinical research, as well as training and services that leverage evidence-based practices from the leading edge of addiction science.

Student Organization

The **Association of Student Social Workers (ASSW)** is an organization of and for social work students. It is open to undergraduates as well as graduates, and participation by all is welcomed. The association is a good vehicle for socialization into the profession and orientation to the College. It can be used as a channel for handling feedback to the school about the program and is an excellent way for students to get to know one another as well as to participate in a wide array of community service activities.

The **Phi Alpha Honor Society** serves as a means of recognizing outstanding academic students. The society involves itself in fundraising and community service.

Sigma Phi Omega recognizes excellence of those who study gerontology and aging and the outstanding service of professionals who work with or on behalf of older persons.

College of Social Work Scholarships

The following scholarships are offered to Social Work majors. If you would like information on how you can apply, please contact the BSW Program office at the College of Social Work at (850) 644-5713 or e-mail bsw@csww.fsu.edu.

Citrus Health Network Scholarship

Established in 2002, this scholarship serves as a lasting tribute to the community services provided by Citrus Health Network, Inc. It is awarded annually to graduate students who are interested in working in the behavioral healthcare field in the Miami-Dade County area.

Mark DeGraff and Lula Hamilton DeGraff Scholarship

This award, first presented in 1985, is given to a senior undergraduate or graduate student who intends to conduct research on factors influencing the growth and development of youth, or who intends to work professionally with youth.

Lamar F. Everett Scholarship

This scholarship was established in 2009 as the result of a bequest from Mr. Everett's estate. The award is specifically earmarked to benefit economically disadvantaged and academically worthy undergraduate or graduate College of Social Work students.

Joanna F. Gorman Scholarship

This scholarship was established to honor Dr. Gorman who had a deep commitment to the profession's development and a clear vision of social work's mission to create a more just society. Full-time social work students receiving this award show evidence of outstanding academic achievement, exemplify the highest standards of character and plan to work for one year in the area of child welfare, health, or mental health.

Herndon Scholars Program

The Herndon Scholars Program, sponsored by the Helios Education Foundation, is an endowed fund that was created in 2007 and first presented in fall 2008. It provides annual scholarships to graduate students in the FSU College of Social Work. Recipients of the award must be Florida residents. Preference is given to students who have social work practice experience prior to graduate school.

Walter W. Hudson Doctoral Scholarship

This scholarship honors Dr. Walter Hudson, a former faculty member who was named the first recipient of the prestigious Lifetime Achievement Award from the Society of Social Work and Research in 1999. Dr. Hudson was an international leader in measurement theory, development and testing of assessment and outcome evaluation tools, statistics, evidence-based practice methodology, and computer applications for practice. This award is intended for a PhD student at the College of Social Work.

Margaret H. Jacks Scholarship in Aging

Ms. Jacks was a formidable and outspoken advocate for elderly Floridians for more than five decades. This award is directed to graduate students studying gerontology. Recipients must have completed one course on aging or demonstrated a commitment to the field of aging through volunteer or work experiences.

Richard M. King Scholarship in Social Work and Business Administration

This endowed scholarship was established by alumnus Richard King (MSW '69) to encourage graduate students who demonstrate interest in earning both an MSW and a Master's in Business Administration (MBA). Social work students who take electives in the College of Business are also eligible for the award.

James and Mary Koalska Undergraduate Scholarship

This memorial scholarship fund was set up by Professors Paul and Betty Piccard in memory of Betty's parents, James Koalska and Mary Brennan Koalska. The Koalskas were the children of Irish and Polish immigrants and entered the work force at a very young age. While they could not benefit from a college education themselves, they valued education and provided their daughters with opportunities in higher education – one in nursing, the other in social work. This award is intended to cover tuition for a social work undergraduate student whose parents did not attend college.

Joyce Harper Laidlaw Scholarship in Child Welfare

The Laidlaw Scholarship, established by FSU alumna Joyce Harper Laidlaw and her husband Don, was first presented in 2003. It is for graduate students who have decided to focus their studies on child welfare.

M. Sharon Maxwell Ferguson Scholarship in Family Violence

Dr. Maxwell retired in 2006, after serving nearly two decades on the faculty of CSW and establishing the Institute for Family Violence Studies (IFVS). She is a nationally recognized expert in intimate partner violence and a champion of community-based services for survivors and their children. This scholarship is designed to encourage undergraduates to work with the IFVS and explore career opportunities designed to help end family violence.

C. Aaron McNeece Field Education Scholarship

Separate application required. Applications are available online and in the CSW field office, 2510 UCC. The deadline is March 1st. For information, contact Katrina Boone at kboone@fsu.edu or call (850) 644-4860 or 1 (888) 232-6416 (toll-free). Dr. McNeece retired in 2008 after serving on the CSW faculty for thirty years. He is internationally recognized for his work in chemical dependency and treatment for criminal offenders. He held various leadership positions at the College of Social Work and served as dean from 2004 to 2008. This scholarship named in his honor was established by the CSW Field Advisory Committee to provide assistance to graduate and undergraduate students during their internships.

Coyle and Mabel Moore Scholarship

Dr. Coyle Moore came to Tallahassee in 1928 to develop a course of instruction in social work at the Florida State College for Women (FSCW). When FSCW became a University in 1947, Dr. Moore was appointed dean of the School of Social Welfare. Mrs. Moore, who had a degree in social work from the University of North Carolina, was an active advocate of community service. This award, created in honor of Mr. and Mrs. Moore, supports full-time undergraduate and graduate students who demonstrate a commitment to the social work profession through strong character and service.

Sarah Sealey Morrill Scholarship

Mrs. Morrill graduated from the FSU School of Social Work in 1955 and was a pioneering activist who planned and established counseling and guidance services for children in Leon County. Later, she assumed leadership roles in planning and managing programs for the elderly. This scholarship serves as a tribute to Sarah Sealey Morrill's life-long commitment to community mental health services and is for undergraduate and graduate students specializing in community mental health.

MSW Class of '75 March Graduates Scholarship

The idea for this scholarship arose during a class reunion in March 2000, as attendees were sharing stories about their lives and they realized that FSU has had a defining influence on their successes. They created this award for full-time MSW students who are interested in community-based practice, advocacy or public policy, with a demonstrated commitment to social justice concerns.

Bernhard Scher Undergraduate Scholarship

This scholarship, first presented in 1978, was established by the family of Dr. Scher. He served as dean of the School of Social Work from 1968-1973 and was a member of the faculty until his death five years later. The undergraduate recipient of this award demonstrates a strong commitment to social work values through actions and words.

Guy and Delores Spearman Scholarship

This scholarship was created by 1975 MSW Alumnus Guy Spearman and his wife to support exemplary undergraduate and graduate social work students who come to FSU from Brevard County, Florida. Mr. Spearman is well known as a legislative lobbyist and an enthusiastic supporter of FSU.

John P. and Jane W. Wakeman Memorial Scholarship for Arts in Social Work

This endowed scholarship has been established by Mary Wakeman in honor of her parents. It is for undergraduate or graduate students in the College of Social Work with an expressed interest in the study and practice of the arts in social work.

Victoria E. Warner Scholarship

This award was established to honor Dr. Victoria Warner, a long-time faculty member and chair of the Department of Social Work at Florida A & M University in Tallahassee. The scholarship is awarded to an MSW student who received a bachelor's degree from FAMU and intends to pursue a career working within the African-American community.

Program Opportunities

The College of Social Work offers other opportunities that afford students the ability to focus on specialized areas of interest. With guidance from advisors, students may create a program of study that meets their specific educational and career goals.

Child Welfare Practice Certificate Program

This certificate program offers both undergraduate and graduate students an opportunity to focus their curriculum on issues related to child welfare. Coursework addresses: the prevention of neglect, abuse, exploitation, or delinquency of children; the protection of homeless, dependent, or maltreated children; the strengthening of families to maintain children in their own homes; the development of advocacy groups, and analysis of social policies and mental health issues related to this population. Child welfare practitioners provide a continuum of services in both public and private settings. For further information, visit <http://csw.fsu.edu/academics/certificate-programs/child-welfare-practice-certificate/>.

Certificate in Gerontology

The mission of this certificate is to educate students about gerontological theories and practices and provide students with gerontological internship and service learning experiences. These educational objectives will give students the skills they need for frontline positions in practice and administrative positions in social service organizations. An in-depth curriculum that emphasizes leadership, decision-making, client-centered management, team building, negotiating, budget and finance, and the successful management of grants will guide FSU students in successfully managing social service agencies and affecting policy and practice on all levels. For more details, visit <http://csw.fsu.edu/academics/certificate-programs/certificate-in-gerontology-aging-studies/>.

COLLEGE OF VISUAL ARTS, THEATRE AND DANCE

Interim Dean: T. Lynn Hogan

The College of Visual Arts, Theatre and Dance was formed in 2005, with the combination of the former School of Visual Arts and Dance and the School of Theatre. The College has three academic units: the School of Art and Design, the School of Dance, and the School of Theatre. These academic units offer an extensive program of instruction in all areas of the visual arts, theatre, and dance. In fact, every level of undergraduate and graduate degree that a university can offer in these areas is represented within the College, including the established terminal degree in each discipline. Accordingly, the College is unique in the state of Florida.

Enhancement of the fine and performing arts is one of Florida State University's specific goals as presented in its mission statement. The comprehensive nature and consistent quality of the College may be credited in large part to the recognition and support of the arts evident in the University. The very idea of arts training within a university context is held to be fundamentally important to an individual's education in today's society. The College of Visual Arts, Theatre and Dance shares much in common with an independent arts school, but the differences are more important than the similarities. The University strives toward education of the whole person, and it has a great variety of cultural and curricular resources to reach this end. Therefore, our students have the opportunity to benefit from the entire University, a warm and friendly residential college and major graduate research institution. There is no substitute for this environment.

The College promotes the visual arts, theatre, and dance within this community. Its goal is to provide a broad-based liberal arts education for students, while at the same time training them to be dancers, actors, designers, artists, scholars, teachers, or other professionals in the field. It functions to enrich their lives and to provide them with the means of self-expression in an increasingly complex and impersonal technological society—a society ever more dependent upon visual language and information. The study and practice of the arts are therefore viewed as a necessary link in the educational system, both as a learning process and as a means of personal fulfillment. Measures are applied within the College—and indeed throughout Florida State University's campus—to keep the spirit of open inquiry vital and productive.

Regardless of the department of a student's major, the College of Visual Arts, Theatre and Dance provides an unusual opportunity for working with a distinguished faculty of nationally and internationally recognized artists and scholars, all of whom teach undergraduate as well as graduate students.

Requirements of the College

By and large the College has few requirements that go beyond those stipulated by the University. As appropriate, these requirements are provided in the narratives describing the individual departments and programs. No minor is required by the College. Three programs grant degrees categorized as "limited access" in the sense that they are proficiency based: (1) the Bachelor of Fine Arts (BFA) in graphic design and in art (studio) and Master of Fine Arts (MFA) in art (studio); (2) the BFA and MFA in dance; and (3) the BFA in acting and in music theatre and the MFA in acting, costume design, directing, technical production, and theatre management. Entrance is gained through portfolio review or audition.

The Program in Interdisciplinary Computing

The College of Visual Arts, Theatre and Dance supports the Program in Interdisciplinary Computing (PIC) with representation on the PIC Steering Committee. PIC is a non-degree granting program established to develop, support, and promote computing and information technology courses that empower FSU students to innovate and lead in their respective fields. Courses listed with PIC cover a wide range of computer skills with each course focusing on the application of those skills to the student's discipline. See <http://www.pic.fsu.edu> for more information about PIC and a list of current PIC courses.

Facilities

In addition to the lecture rooms, general classrooms, seminar rooms, and media-specific laboratories (e.g., printmaking, electronic imaging, ceramics, sculpture, photography, and the like), four specialized facilities merit particular mention. First, art students in designated degree programs are provided individual studios, making it possible for them to work in a healthy environment that promotes the cross-fertilization of ideas and constructive debate. Students at different stages of development learn from each other as well as from their professors, who regularly come to their studios for tutorials and

critiques. Second, dance students train in what are arguably the best university dance facilities in the nation, including seven spacious, comfortable studios and their own fully-equipped professional dance theatre, experimental black box theatre, and grand studio; in addition, students explore dance technology in state-of-the-art labs. Lastly, theatre students train and perform in four specialized venues, including two traditional proscenium theatres, a lab theatre, and a stage for student-produced works. Finally, students in art education, art history, and interior design work in specifically designed and dedicated spaces in the newly renovated William Johnston Building located in the center of campus.

Honors in the Major

The College of Visual Arts, Theatre and Dance offers honors in the major in several departmental and interdepartmental programs. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Study Abroad

The University offers many opportunities for international study open to all qualified state university students. Study-abroad programs range in nature from long-established study centers in Florence, Italy, and London, England, to recently developed programs in countries such as Spain, France, and South Africa. Operated by Florida State University, they provide the opportunity for a truly rewarding educational and cultural experience. Representing as it does a collegial body of students of art, the College of Visual Arts, Theatre and Dance has a particular affinity for the Florence program, one that has led to a history of involvement since the founding of the program in 1966, largely through the efforts of the art history faculty. In every year that it has existed, at least one member of the College faculty has taught in Florence, and the College has significant representation among the students studying there. More recently, greater emphasis has been placed on the opportunities at the London Center. Of particular significance to students of theatre is the London program, with its year-round theatre offerings. Students of theatre, art, dance, design, and art history flourish in the rich, humanistic environments of these magnificent cities and cultural centers. This they can do usually without disrupting their sequence of courses and without loss of residency, since the Florence and London campuses are true extensions of the Tallahassee campus.

Museum Studies

The College of Visual Arts, Theatre and Dance is the academic home of Florida State University's museum studies certificate program. Open to graduate students of all departments, the program offers theoretical, practical, and methodological training in museum management, curatorship, fundraising, collections management, education and interpretation, marketing, exhibition development, and other museum topics. The museum studies curriculum includes courses taught by full-time faculty and practicing museum professionals, internships, and special museum projects. Emphasis is placed on career guidance and finding a position in the museum profession. Students have opportunities for firsthand experience at the College's Museum of Fine Arts, the Ringling Museum of Art, and in other regional and national museums. Florida State University's international programs offer museum internships at international institutions in cities such as London and Florence.

On the undergraduate level, students studying art history may obtain a concentration in museum studies.

The Florida State University Museum of Fine Arts

The Florida State University Museum of Fine Arts is first and foremost an extension of the teaching mission of the College. Large, modern, and spacious, it houses the permanent collection and several times a year hosts student and faculty shows. In addition, the school faculty and museum staff pride themselves on originating shows of national prominence, documented through professional catalogs distinguished for their scholarship. The Florida State University Museum of Fine Arts is a community resource of regional significance in the Southeast, and is fully accredited by the American Association of Museums.

The John and Mable Ringling Museum of Art

Florida State University has been charged by the state of Florida with administration of the Ringling Museum of Art in Sarasota, Florida. This incred-

ible museum complex with its superb internationally renowned art collection, circus museums, and Ringling mansion, offers multiple opportunities for students in the arts, museum studies, and the humanities. Programs enhance undergraduate and graduate education in the College of Visual Arts, Theatre and Dance, as well as many other areas within Florida State University.

Maggie Allesee National Center for Choreography

The mission of the Maggie Allesee National Center for Choreography (MANCC) is to raise the value of the creative process in dance by providing (1) a model of support for professional choreographic creativity within a comprehensive, graduate research university, (2) access to a stimulating environment where experimentation, exploration and life-long learning are both valued and encouraged, and (3) opportunities for engagement with the creative process in dance to the national field as well as our students, staff, faculty, and community.

Facility for Arts Research

The Facility for Arts Research (FAR) is a new venture of The Florida State University College of Visual Arts, Theatre and Dance offering space and specialized equipment for experimental printmaking, spatial audio, electronics and digital fabrication to researchers, faculty and students as part of a rigorous interdisciplinary investigation into artmaking. FAR engages and educates 21st century makers in the collaborative, cross-disciplinary experiences of contemporary arts research, supporting and promoting the integration of digital and traditional art and design methods to create unique objects that might be impossible to make in other ways.

Accreditation

The College of Visual Arts, Theatre and Dance is fully accredited according to discipline as appropriate by the National Association of Schools of Art and Design, the National Association of Schools of Dance, the National College Association for Teacher Education, the Council for Interior Design Accreditation, and the National Association of Schools of Theatre.

FLORIDA'S STATEWIDE COURSE NUMBERING SYSTEM

Courses in this *General Bulletin* are identified by prefixes and numbers that were assigned by **Florida's Statewide Course Numbering System (SCNS)**. This numbering system is used by all public postsecondary institutions in Florida and twenty-seven participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online SCNS to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is available on the SCNS Web site, at <http://scns.fldoe.org>.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to the type of institution and discipline field or specialization.

Course Prefixes and Numbers

The course prefix and each digit in the course number have a meaning in the SCNS. The listing of prefixes and associated courses is referred to as the "SCNS taxonomy." Descriptions of the content of courses are referred to as "statewide course profiles."

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. The course number is a four-digit designator for the course level (first digit), century (second digit), decade (third digit), and unit (last digit). In the sciences and certain other areas, a "C" or "L" after the course number is known as a lab indicator. The "C" represents a combined lecture and laboratory course that meets in the same place at the same time. The "L" represents a laboratory course or the laboratory part of a course that has the same prefix and course number but meets at a different time or place.

Example of Course Identifier

For example, a freshman composition skills course is offered by fifty-nine different postsecondary institutions. Each institution uses "ENC_101" to identify its freshman composition skills course.

Prefix	Level Code	Century Digit	Decade Digit	Unit Digit	Lab Code
	(first digit)	(second digit)	(third digit)	(fourth digit)	
ENC	1	1	0	1	
In the SCNS taxonomy, "ENC" means "English Composition"	Represents the year in which students normally take the course at a specific institution, Freshman in this case	Freshman Composition	Freshman Composition Skills	Freshman Composition Skills I	No laboratory component in this course

General Rule for Course Equivalencies

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions, as listed below in "Exception to the General Rule for Equivalency."

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. 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 success-

fully completed that have not been designated as equivalent. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions.

For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at a Florida College System institution is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101.

Note: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on semester-term systems. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

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

Since the initial implementation of the SCNS, specific disciplines or types of courses have been exempted from the guarantee of transfer for equivalent courses. These include courses that must be evaluated individually or courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

- A. **Courses not offered by the receiving institution**
- B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.
- C. Courses in the _900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Theses and Dissertations
- D. College preparatory and vocational preparatory courses
- E. Graduate courses
- F. Internships, apprenticeships, practica, clinical experiences, and study abroad courses with numbers other than those ranging from _900-999
- G. Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (e.g., portfolio, audition, interview, etc.).

Courses at Nonregionally Accredited Institutions

The SCNS makes available on its home page (<http://scns.fldoe.org>) a report entitled "Courses at Nonregionally Accredited Institutions" that contains a comprehensive listing of all nonpublic institution courses in the SCNS inventory, as well as each course's transfer level and transfer effective date. This report is updated monthly.

SCNS Contact Information

Questions about the SCNS and appeals regarding course credit transfer decisions should be directed to *Melissa Crawford* in the *Office of Faculty Development and Advancement* or the *Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400*.

Special reports and technical information may be requested by calling the *Statewide Course Numbering System* office at (850) 245-0427 or at <http://scns.fldoe.org>.

COURSE PREFIXES, DEFINITIONS, AND LOCATIONS

How to Find a Course:

The following list presents course subjects alphabetically by letter prefix. The column to the right contains the school, department, and/or program(s) offering that course subject. The schools, departments, and/or programs can be found, alphabetically, in the "Academic Departments and Programs" section of this *Bulletin*, where each course offered in a given program is listed, including title, description, and credit hours.

Course Symbols

Prefix	Definition	Program(s)
ACG	Accounting: General	Accounting
ADE	Adult Education	Educational Leadership and Policy Studies Educational Psychology and Learning Systems
ADV	Advertising	Communication
AFA	African-American Studies	African-American Studies
AFH	African History	History
AFR	Aerospace Studies	Aerospace Studies
AMH	American History	History
AML	American Literature	English
AMS	American Studies	American and Florida Studies
ANG	Anthropology: Graduate	Anthropology
ANT	Anthropology	Anthropology
APK	Applied Kinesiology	Education Psychology and Learning Systems Nutrition, Food, and Exercise Science
ARA	Arabic Language	Modern Languages and Linguistics
ARE	Art Education	Art Art Education
ARH	Art History	Art Art History Classics
ART	Art	Art
ASH	Asian History	Classics History
ASL	American Sign Language	Communication Science and Disorders
ASN	Asian Studies	Asian Studies
AST	Astronomy	Physics
BCC	Basic Clinical Clerkship	Medicine
BCH	Biochemistry (Biophysics)	Biological Science Chemistry and Biochemistry
BME	Biomedical Engineering	Chemical and Biomedical Engineering
BMS	Basic Medical Sciences	Medicine Biomedical Sciences
BOT	Botany	Biological Science
BSC	Biological Sciences	Biological Science
BUL	Business Law	Risk Management/Insurance, Real Estate, and Legal Studies
CAP	Computer Application Development	Computer Science Scientific Computing
CBH	Comparative Psychology and Animal Behavior	Psychology
CCE	Civil Construction Engineering	Civil and Environmental Engineering
CCJ	Criminology and Criminal Justice	Criminology and Criminal Justice Public Safety and Security

CDA	Computer Design/Architecture	Computer Science Criminology and Criminal Justice
CEG	Civil Geotechnical Engineering	Civil and Environmental Engineering
GEN	Computer Software Engineering	Computer Science
CES	Civil Engineering Structures	Civil and Environmental Engineering
CGN	Civil Engineering	Civil and Environmental Engineering
CGS	Computer General Studies	Accounting Computer Science Educational Leadership and Policy Studies Library and Information Studies Teacher Education
CHD	Child Development	Family and Child Sciences
CHI	Chinese	Modern Languages and Linguistics
CHM	Chemistry	Chemistry and Biochemistry
CHT	Chinese Literature in Translation	Modern Languages and Linguistics
CIS	Computer Science and Information Systems	Computer Science Criminology and Criminal Justice
CJC	Corrections	Criminology and Criminal Justice
CJE	Law Enforcement	Criminology and Criminal Justice Public Safety and Security
CJJ	Juvenile Justice	Criminology and Criminal Justice
CJL	Law and Process	Criminology and Criminal Justice
CLA	Classical and Ancient Studies	Classics History
CLP	Clinical Psychology	Psychology
CLT	Classical Literature in Translation	Classics
CNT	Computer Networks	Computer Science
COA	Home Economics: Consumer Affairs	Retail Merchandising and Product Development
COM	Communication	Communication
COP	Computer Programming	Computer Science Criminology and Criminal Justice Library and Information Studies Management
COT	Computing Theory	Computer Science
CPO	Comparative Politics	Political Science
CPS	Comparative Policy Studies	Social Science
CRW	Creative Writing	English
CTE	Home Economics: Clothing, Textiles and Merchandising	Retail Merchandising and Product Development
CWR	Civil Water Resources	Civil and Environmental Engineering
DAA	Dance, Emphasis on Activities	Dance
DAE	Dance Education	Dance
DAN	Dance	Dance
DEM	Demography	Sociology

DEP	Developmental Psychology	Educational Psychology and Learning Systems Psychology
DIE	Dietetics	Nutrition, Food, and Exercise Sciences
DIG	Digital Media	Art Scientific Computing
DSC	Domestic Security	Public Safety and Security
EAB	Experimental Analysis of Behavior	Psychology
EAP	English as a Second Language for Academic Purposes	Teacher Education
EBD	Education: Emotional/Behavioral Disorders	Teacher Education
ECH	Engineering: Chemical	Chemical and Biomedical Engineering
ECO	Economics	Economics
ECP	Economic Problems and Policy	Economics Finance
ECS	Economic Systems and Development	Economics
ECT	Education: Career/Technical	Educational Leadership and Policy Studies
EDA	Education: Administration	Educational Leadership and Policy Studies
EDE	Education: Elementary	Teacher Education
EDF	Education: Foundations and Policy Studies	Educational Leadership and Policy Studies Educational Psychology and Learning Systems Teacher Education
EDG	Education: General	Educational Leadership and Policy Studies Educational Psychology and Learning Systems Teacher Education
EDH	Education: Higher	Educational Leadership and Policy Studies
EDM	Education: Middle School	Teacher Education
EDP	Educational Psychology	Educational Psychology and Learning Systems
EDS	Education Supervision	Teacher Education
EEC	Education: Early Childhood	Teacher Education
EEE	Engineering: Electrical and Electronic	Electrical and Computer Engineering
EEL	Engineering: Electrical	Electrical and Computer Engineering
EES	Environmental Engineering Science	Civil and Environmental Engineering
EEX	Education: Exceptional Child-Core Competencies	Teacher Education
EGI	Education: Gifted	Educational Psychology and Learning
EGM	Engineering Science	Civil and Environmental Engineering Mechanical Engineering
EGN	Engineering: General	Chemical and Biomedical Engineering Civil and Environmental Engineering Industrial and Manufacturing Engineering Mechanical Engineering Statistics
EIN	Industrial Engineering	Industrial and Manufacturing Engineering
ELD	Education: Specific Learning Disabilities	Teacher Education

EMA	Materials Engineering	Industrial and Manufacturing Engineering Mechanical Engineering
EME	Education: Technology and Media	Educational Leadership and Policy Studies Educational Psychology and Learning Systems Teacher Education
EML	Engineering: Mechanical	Mechanical Engineering
EMR	Education: Mental Retardation	Teacher Education
ENC	English Composition	English
ENG	English: General	English
ENL	English Literature	English
ENT	Entrepreneurship	Entrepreneurship
ENV	Engineering: Environmental	Civil and Environmental Engineering
EOC	Oceanography/Ocean Engineering	Earth, Ocean, and Atmospheric Science
ESC	Earth Science	Earth, Ocean, and Atmospheric Science
ESI	Industrial/Systems Engineering	Industrial and Manufacturing Engineering
EUH	European History	Classics History
EUS	European Studies	Russian and East European Studies
EVI	Education: Visually Impaired-Blind	Teacher Education
EXP	Experimental Psychology	Psychology
FAD	Family Development	Family and Child Sciences
FIL	Film	Communication Motion Picture Arts
FIN	Finance	Finance
FLE	Foreign Language Education	Classics Teacher Education
FOL	Foreign and Biblical Languages	Modern Languages and Linguistics
FOS	Food Science	Nutrition, Food and Exercise Sciences
FOW	Foreign and Biblical Languages, Comparative Literature (Writings)	Modern Languages and Linguistics
FRE	French Language	Modern Languages and Linguistics
FRT	French in Translation and/or Translation Skills	Modern Languages and Linguistics
FRW	French Literature (Writings)	Modern Languages and Linguistics
FSS	Food Service System	Nutrition, Food and Exercise Sciences
GEA	Geography: Regional Areas	Geography
GEB	General Business	Accounting Finance Management Marketing
GEO	Geography: Systematic	Geography
GER	German	Modern Languages and Linguistics
GET	German Literature in Translation	Modern Languages and Linguistics
GEW	German Literature (Writings)	Modern Languages and Linguistics
GFD	Geophysical Fluid Dynamics	Geophysical Fluid Dynamics
GIS	Geographic Information Systems	Geography
GLY	Geology	Earth, Ocean, and Atmospheric Science

GMS	Graduate Medical Sciences	Biomedical Sciences Medicine
GRA	Graphic Arts	Art
GRE	Classical Greek (Language Study)	Classics
GRW	Classical Greek Literature (Writings)	Classics Religion
HBR	Modern Hebrew Language	Modern Languages and Linguistics Religion
HEE	Home Economics Education	Family and Child Sciences
HFT	Hospitality Management	Hospitality
HIS	General History and Historiography	History
HME	Home Economics: Home Management and Equipment	Retail Merchandising and Product Development
HOE	Home Economics: General	Family and Child Sciences
HPS	History and Philosophy of Science	Program in History and Philosophy of Science Religion
HSC	Health Sciences	Nutrition, Food, and Exercise Sciences Public Health Social Science Teacher Education
HUM	Humanities	Humanities
HUN	Human Nutrition	Nutrition, Food, and Exercise Sciences
IDC	Interdisciplinary Computing	Library and Information Studies
IDS	Interdisciplinary Studies	Teacher Education
IHS	Interdisciplinary Health Sciences	Biomedical Sciences Medicine
IND	Interior Design	Interior Design
INP	Industrial and Applied Psychology	Psychology
INR	International Relations	International Affairs Political Science
ISC	Interdisciplinary Sciences	Biological Science Chemistry and Biochemistry Earth, Ocean, and Atmospheric Science Psychology Public Safety and Security Science Teaching Scientific Computing
ISM	Information Systems Management	Management
ISS	Interdisciplinary Social Sciences	Social Science
ITA	Italian Language	Modern Languages and Linguistics
ITT	Italian Literature in Translation	Modern Languages and Linguistics
ITW	Italian Literature (Writings)	Modern Languages and Linguistics
JPN	Japanese	Modern Languages and Linguistics
JPT	Japanese Literature in Translation	Modern Languages and Linguistics
KOR	Korean Language and Literature	Modern Languages and Linguistics
LAE	Language Arts and English Education	English Teacher Education
LAH	Latin American History	History
LAS	Latin American Studies	Latin American and Caribbean Studies
LAT	Latin (Language Study)	Classics
LAW	Law	Law

LDR	Leadership Studies	Educational Leadership and Policy Studies
LEI	Leisure	Event Management Recreation, Tourism, and Events
LIN	Linguistics	Anthropology Communication Science and Disorders English Modern Languages and Linguistics Teacher Education
LIS	Library and Information Studies	Library and Information Studies Teacher Education
LIT	Literature	English
LNW	Latin Literature (Writings)	Classics
MAA	Mathematics: Analysis	Mathematics
MAC	Mathematics: Calculus and Precalculus	Mathematics
MAD	Mathematics: Discrete	Mathematics Scientific Computing
MAE	Mathematics Education	Mathematics Teacher Education
MAN	Management	Finance Management Marketing
MAP	Mathematics: Applied	Mathematics Earth, Ocean, and Atmospheric Science Scientific Computing
MAR	Marketing	Marketing
MAS	Mathematics: Algebraic Structures	Mathematics
MAT	Mathematics	Mathematics
MCB	Microbiology	Biological Science
MDE	Medical Electives	Medicine
MDU	Undergraduate Medicine Courses	Biomedical Sciences
MET	Meteorology	Earth, Ocean, and Atmospheric Science
MGF	Mathematics: General and Finite	Mathematics
MHF	Mathematics: History and Foundations	Mathematics
MHS	Mental Health Services	Educational Psychology and Learning Systems Teacher Education
MMC	Mass Media Communication	Communication
MOB	Molecular Biophysics	Molecular Biophysics
MSL	Military Science and Leadership	Military Science
MTG	Mathematics: Topology and Geometry	Mathematics
MUC	Music: Composition	Music
MUE	Music Education	Music
MUG	Music: Conducting	Music
MUH	Music: History/Musicology	Music
MUL	Music Literature	Music
MUM	Music: Commercial/Management/Administration	Music
MUN	Music Ensembles	Music
MUO	Music: Opera/Music Theatre	Music
MUR	Music: Church	Music
MUS	Music	Music
MUT	Music: Theory	Music
MUY	Music: Therapy	Music
MVB	Applied Music: Brasses	Music

MVH	Historical Instruments	Music
MVJ	Applied Music: Jazz	Music
MVK	Applied Music: Keyboard	Music
MVO	Applied Music: Other Instruments	Music
MVP	Applied Music: Percussion	Music
MVS	Applied Music: Strings	Music
MVV	Applied Music: Voice	Music
MVW	Applied Music: Woodwinds	Music
NGR	Nursing: Graduate	Nursing
NSP	Nursing: Special	Nursing
NUR	Nursing: Generic Undergraduate	Nursing
OCB	Biological Oceanography	Earth, Ocean, and Atmospheric Science
OCC	Chemical Oceanography	Earth, Ocean, and Atmospheric Science
OCE	General Oceanography	Earth, Ocean, and Atmospheric Science
OCG	Geological Oceanography	Earth, Ocean, and Atmospheric Science
OCP	Physical Oceanography	Mathematics Earth, Ocean, and Atmospheric Science
ORI	Oral Interpretation	Communication
PAD	Public Administration	Public Administration and Policy
PAX	Peace Studies	International Affairs
PCB	Process Biology	Biological Science Psychology
PCO	Psychology for Counseling	Educational Psychology and Learning Systems
PEL	Physical Education Activities (General): Land-Object Centered	Sport Management
PEM	Physical Education Activities (General): Land-Performance Centered	Sport Management
PEN	Physical Education Activities (General): Water, Snow, Ice	Earth, Ocean, and Atmospheric Science Sport Management
PEO	Physical Education Activities (Professional): Land-Object Centered	Sport Management
PEP	Physical Education Activities (Professional): Land-Performance Centered	Sport Management
PET	Physical Education Theory	Educational Psychology and Learning Systems Nutrition, Food, and Exercise Sciences Sport Management
PGY	Photography	Art
PHC	Public Health Concentration	Public Health
PHH	Philosophy, History of	Philosophy
PHI	Philosophy	Philosophy Religion
PHM	Philosophy of Man and Society	Philosophy Political Science
PHP	Philosophers and Schools	Philosophy
PHY	Physics	Chemical Physics Physics
PHZ	Physics: Continued	Physics
POR	Portuguese Language	Modern Languages and Linguistics
POS	Political Science	Political Science Public Administration and Policy
POT	Political Theory	Political Science

POW	Portuguese Literature (Writings)	Modern Languages and Linguistics
PPE	Personality	Psychology
PRT	Portuguese in Translation	Modern Languages and Linguistics
PSB	Psychobiology	Biological Science Educational Psychology and Learning Systems Psychology
PSC	Physical Sciences	Chemistry and Biochemistry Physics
PSY	Psychology	Psychology
PUP	Public Policy	Political Science
PUR	Public Relations	Communication
QMB	Quantitative Methods in Business	Finance Marketing Statistics
RCS	Rehabilitation Counseling Services	Educational Psychology and Learning Systems
REA	Reading	English
RED	Reading Education	Teacher Education
REE	Real Estate	Risk Management/Insurance, Real Estate and Legal Studies
REL	Religion	Religion
RLG	Religion: Graduate	Religion
RMI	Risk Management/Insurance	Risk Management/Insurance, Real Estate and Legal Studies
RTV	Radio-Television	Communication
RUS	Russian Language	Modern Languages and Linguistics
RUT	Russian Literature in Translation	Modern Languages and Linguistics
RUW	Russian Literature (Writings)	Modern Languages and Linguistics
SCC	Security	Criminology and Criminal Justice
SCE	Science Education	Biological Science Chemistry and Biochemistry Earth, Ocean, and Atmospheric Science Psychology Teacher Education
SDS	Student Development Services	Educational Leadership and Policy Studies Educational Psychology and Learning Systems
SEC	Serbo-Croatian Language	Modern Languages and Linguistics
SED	Speech Education	Communication
SLL	Slavic Languages	Modern Languages and Linguistics
SLS	Student Life Skills (Learning)	Educational Psychology and Learning Systems
SMT	Science or Mathematics Teaching	Teacher Education
SOP	Social Psychology	Psychology
SOW	Social Work	Social Work
SPA	Speech Pathology and Audiology	Communication Science and Disorders
SPC	Speech Communication	Art History Communication
SPM	Sports Management	Sport Management
SPN	Spanish Language	Modern Languages and Linguistics
SPS	School Psychology	Educational Psychology and Learning Systems
SPT	Spanish Literature in Translation and/or Translation Skills	Modern Languages and Linguistics

SPW	Spanish Literature (Writings)	Modern Languages and Linguistics
SRK	Sanskrit Language	Religion
SSE	Social Studies Education	Teacher Education
STA	Statistics	Statistics
SYA	Sociological Analysis	Sociology
SYD	Sociology of Demography/ Area Studies/Sociological Minorities	Sociology
SYG	Sociology: General	Sociology
SYO	Social Organization	Sociology
SYP	Social Processes	Educational Psychology and Learning Systems Sociology
TAX	Taxation	Accounting
THE	Theatre Studies and General Resources	Theatre
TPA	Theatre Production and Administration	Theatre
TPP	Theatre Performance and Performance Training	Theatre
TSL	Teaching English as a Second Language	Teacher Education
TTE	Transportation Engineering	Civil and Environmental Engineering
TUT	Turkish Culture in Translation or Translation Skills	Modern Languages and Linguistics
URP	Urban and Regional Planning	Urban and Regional Planning
URS	Urban and Regional Studies	Urban and Regional Planning
VIC	Visual Communication	Communication
WOH	World History	History
WST	Women's Studies	Women's Studies
ZOO	Zoology	Biological Science

ACADEMIC DEPARTMENTS AND PROGRAMS

Department of ACCOUNTING

COLLEGE OF BUSINESS

Web Page: <http://cob.fsu.edu/acc/>

Chair: Bud Fennema; **Professors:** Heflin, Icerman, Morton, Paterson, Stevens; **Associate Professors:** Atwood, Bathke, Billings, Fennema, Gerard, Reynolds; **Assistant Professors:** Beck, Blay, Penn, Zhang; **Research Associates:** Pierno, Sudano; **Associate in Accounting:** Greenberg; **Assistant in Accounting:** Jamagin; **Executive-in-Residence:** Woodward; **Visiting Assistant in Accounting:** McClung; **Andersen Professors:** Heflin, Paterson; **Deloitte Professor:** Morton; **Ernst and Young Professor:** Fennema; **Hillison Professor:** Stevens; **KPMG Fellow:** Billings

The Department of Accounting is committed to providing students the general education and technical knowledge necessary to enter the accounting profession and to pursue a successful professional career. The field of accounting offers challenging and rewarding opportunities in public accounting, tax accounting, industry, government, and not-for-profit organizations.

Prospective accountants must be prepared to work in an increasingly complex environment. In addition to accounting knowledge, the successful accountant must possess a broad knowledge of business. Other essential skills include the ability to communicate well verbally and in writing, the ability to work well with and motivate others, the ability to organize and manage tasks and other people, and the ability to use sound professional judgment.

The Bachelor of Arts (BA) or the Bachelor of Science (BS) degree in accounting provides students with the knowledge of basic accounting concepts, accounting applications, and the related functional areas of business necessary for a successful accounting career in industry, government, and nonprofit organizations. Students preparing for a professional career in public accounting or tax accounting, and others who wish to obtain more advanced and specialized knowledge in the field of accounting, should plan to complete the four-year undergraduate program followed by the one-year Master of Accounting (MAcc) program. The MAcc program allows students to specialize in one of the following areas: assurance services, corporate accounting, accounting information systems, or taxation. A detailed description of the MAcc program can be found in the *Graduate Bulletin*.

Students planning to qualify to become a Certified Public Accountant in the state of Florida must complete a five-year education program (150 semester hours) with a concentration in accounting. Completion of the MAcc program satisfies this requirement.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in accounting satisfy this requirement by earning a grade of “C–” or higher in CGS 2100 (state mandated business prerequisite requirement) or CGS 2518.

Required Risk in Business and Society Course

All undergraduates at Florida State University intending to enter a business major must complete RMI 2302, Risk in Business and Society, with a “C–” or better by the end of their sophomore year. Transfer students will be required to complete this course in their first semester at FSU.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. ACG X021 or ACG X022, or ACG X001 and ACG X011
2. ACG X071 or ACG X301
Note: ACG X071 will count toward the degree as elective credits for transfer students; however, it is recommended that native students take another non-accounting elective
3. CGS X100 or demonstrated competency, or CGS X100C or CGS X530 or CGS X570 or CGS X060 or CGS X531 or CGS X000 or ISM X000 or CGS X518
4. ECO X013
5. ECO X023
6. MAC X233 or MAC X230
7. STA X023 or STA X122 or QMB X100

Requirements for a Major in Accounting

All students must complete: (1) the University-wide baccalaureate degree requirements summarized in the “Undergraduate Degree Requirements” chapter of this *General Bulletin*; (2) the state of Florida common prerequisites for accounting majors; (3) at least sixty semester hours of courses in non-business disciplines which includes CGS 2518 Spreadsheets for Business; (4) the general business core requirements for accounting majors; (5) the general business breadth requirements for accounting majors; and (6) the major area requirements for accounting majors.

Note: To be eligible to pursue an accounting major, students must meet the admission requirements for the AACSB accredited business programs in the College of Business. These admission requirements are described in the “College of Business” chapter of this *General Bulletin*.

General Business Core Requirements

All accounting majors must complete the following four courses. A grade of “C–” or better must be earned in each course.

FIN 3403	Financial Management of the Firm (3)
GEB 3213	Business Communications (3)
MAN 3240	Organizational Behavior (3)
MAR 3023	Basic Marketing Concepts (3)

General Business Breadth

All accounting majors must complete three courses as follows. Each course selected must be completed with a grade of “C–” or better.

FIN 3244	Financial Markets, Institutions, and International Finance Systems (3)
QMB 3200	Quantitative Methods for Business Decisions (3)

AND

One elective from the following list of courses:

HFT 3240	Managing Service Organizations (3)
ISM 3003	Foundations of Management Information Systems (3)
MAN 3600	Multinational Business Operations (3)
MAN 4720	Strategic Management and Business Policy (3)
MAR 3400	Professional Selling (3)
REE 3043	Real Estate (3)
RMI 3011	Risk Management/Insurance (3)

Major Area Requirements

All accounting majors must complete the eleven courses listed below. In addition, accounting majors must complete a total of ninety semester hours of non-accounting courses.

To enroll in the required upper-level accounting courses (those with ACG and TAX prefixes), students must have completed ACG 2021 Introduction to Financial Accounting and ACG 2071, Introduction to Managerial Accounting, with a grade of “B” or better (“B–” is not acceptable). Students must also receive a grade of 75% or higher on FSU’s ACG 2021 final examination or complete a competency examination with a score of 75% or higher before they can enroll in upper-level accounting courses. Students will have a maximum of two attempts to pass the competency examination. A grade of “C” or better (“C–” is not acceptable) in ACG 3101 is required to enroll in ACG 3111 or any 4000 level ACG or TAX course. A grade of “C–” or better must be earned in all required upper-level courses. Any student receiving two grades below “C–”

in the same required upper-level accounting course (prefix ACG or TAX) will not be permitted to enroll in that course again; that is, a student may repeat a required upper-level accounting course only once.

ACG 3101	Financial Accounting and Reporting I (3)
ACG 3111	Financial Accounting and Reporting II (3)
ACG 3341	Cost Accounting (3)
ACG 4201	Financial Accounting and Reporting III (3)
ACG 4401	Accounting Information Systems (3)
ACG 4632	Auditing Theory and Application I (3)
BUL 3330	Law for Accountancy (3)
BUL 3350	Uniform Commercial Code Business Law Problems (3)
TAX 4001	Federal Tax Accounting I (3)
TAX 4011	Federal Tax Accounting II (3)

Definition of Prefixes

ACG—Accounting: General

CGS—Computer General Studies

GEB—General Business

TAX—Tax Accounting

Undergraduate Courses

To register for any accounting course, students must have completed all prerequisite courses with appropriate grades.

ACG 2021. Introduction to Financial Accounting (3). This course offers an introduction to financial accounting concepts, placing emphasis on financial statements and how they reflect business transactions. Please note, Accounting Majors must earn at least a “B” in this course to proceed to required 3000 level accounting courses.

ACG 2071. Introduction to Managerial Accounting (3). Prerequisite: ACG 2021 with a grade of “C–” or better. Please note, Accounting Majors must earn at least a “B” in this course to proceed to required 3000 level accounting courses. This course offers an introduction to managerial accounting concepts.

ACG 3101. Financial Accounting and Reporting I (3). Prerequisite: ACG 2071 with a grade of “B” or better. This course offers an in-depth study of financial-reporting concepts and generally accepted practice, including an overview of the accounting-cycle assets and noncurrent assets. Emphasis is placed on analyzing financial events and the consequences of financial-reporting alternatives.

ACG 3111. Financial Accounting and Reporting II (3). Prerequisite: ACG 3101 with a grade of “C” or better. This course offers an in-depth study of financial reporting concepts and generally accepted practice for long-term liabilities, leases, pensions, income taxes, and stockholders equity and earnings per share. Emphasis is placed on analyzing financial events and the consequences of financial reporting alternatives on financial statements.

ACG 3171. Analysis of Financial Statement Presentation (3). Prerequisite: ACG 2021 with a grade of “C–” or better. This course offers an analysis of the assumptions and procedures underlying financial statements and the impact of accounting policies on the use of the financial disclosures made by business enterprises. Credit not allowed for accounting majors.

ACG 3331. Cost Accounting and Analysis for Business Decisions (3). Prerequisite: ACG 2071 with a grade of “C–” or better. This course studies techniques of cost accounting and cost analysis for various business decisions. Credit not allowed for accounting majors.

ACG 3341. Cost Accounting (3). Prerequisites: ACG 2071 with a grade of “B” or better, MAC 2233, and QMB 3200. This course covers the planning and control of economic entities through cost-volume-profit relationships, job order, as well as process and standard cost accounting. Emphasis is placed on the relationship between accounting systems and decision making.

ACG 3949. Cooperative Education Work Experience (0). (S/U grade only.) This non-credit, experiential learning course offers students an opportunity to gain “real world” on-the-job work experience related to a specific academic field of study. Students must register for this course through the FSU Career Center.

ACG 4201. Financial Accounting and Reporting III (3). Prerequisite: ACG 3111 with a grade of “C–” or better. This course offers an in-depth study of financial reporting concepts and generally accepted practice for investments, business combinations, consolidated enterprises, foreign operations, and the statement of cash flows. Emphasis is placed on analyzing financial events and the consequences of financial reporting alternatives.

ACG 4401. Accounting Information Systems (3). Prerequisites: ACG 3101 with a grade of “C” or better and CGS 2518. This course is an introduction to manual and computerized accounting information systems. Transaction cycles, internal controls, and flow-charting are emphasized.

ACG 4501. Accounting for Governmental and Not-for-Profit Entities (3). Prerequisite: ACG 3111 with a grade of “C–” or better. This course is an introduction to fund accounting procedures and financial reporting requirements for governmental units and not-for-profit entities.

ACG 4632. Auditing Theory and Application I (3). Prerequisites: ACG 3111 and ACG 4401 with grades of “C–” or better. This course covers legal and professional responsibility of CPAs; generally accepted auditing standards; audit programs, procedures, and evidence; review and evaluation of internal controls.

ACG 4642. Auditing Theory and Application II (3). Prerequisite: ACG 4632 with a grade of “C–” or better. This course covers theory of auditing and development of audit programs; sampling; procedures of obtaining audit evidence; auditor responsibility under Securities and Exchange Commission requirements; and auditing computerized systems. Subsequent credit for ACG 5635 is not permitted.

ACG 4682. Investigative Accounting (3). Prerequisite: ACG 3101 with a grade of “C” or better. This course provides an introduction to issues in forensic accounting. Topics include criminal statutes related to financial crimes, techniques used in solving financial crimes, rules of evidence, interviewing techniques, and forensic accounting procedures.

ACG 4683. Fraud Examination (3). Corequisite: ACG 4632. This course provides an introduction to the field of fraud examination. Topics include the nature of fraud, who commits it and why, deterring fraud, financial statement fraud, and fraud resolution.

ACG 4901r. Directed Individual Study (1–3). May be repeated to a maximum of five semester hours.

ACG 4930r. Special Topics in Accounting (1–3). Prerequisite: Instructor permission. This course content varies to provide an opportunity to study current issues in accounting and topics not offered in other courses. May be repeated to a maximum of twelve semester hours as content changes.

ACG 4941. Accounting Internship (3). Prerequisite: Instructor permission. (S/U grade only.) This accounting internship is designed for College of Business students who desire to gain real-world experience in the accounting field through on-the-job practice. Students work under the direction of an approved industry professional, a faculty adviser, and the internship director.

ACG 4970r. Honors Thesis (1–6). Prerequisite: Admission to the honors program. Six semester hours of thesis are required to complete honors in the major. May be repeated to a maximum of nine semester hours.

CGS 2518. Spreadsheets for Business Environments (3). This course provides an in-depth study of spreadsheets utilizing a problem-solving approach. Spreadsheet-based solutions are explored for common business tasks and problems. The course presents a thorough coverage of spreadsheet functions and tools, along with a deep understanding of their purpose in a business environment. The course is ideal for students with professional interests related to business and economics, as well as for students wishing to obtain a deeper understanding of spreadsheets in general.

TAX 4001. Federal Tax Accounting I (3). Prerequisite: ACG 3101 with a grade of “C” or better. This course covers concepts and methods of determining income of individuals for tax purposes, as well as the interpretation of Internal Revenue Code, related regulations, and tax advisory services.

TAX 4011. Federal Tax Accounting II (3). Prerequisite: TAX 4001 with a grade of “C–” or better. This course covers concepts and methods of determining income of corporations, partnerships, estates, and trusts for tax purposes, as well as the interpretation of Internal Revenue Code, related regulations, and tax advisory services. Subsequent credit for TAX 5015 is not permitted.

Graduate Courses

ACG 5026.	Financial Reporting and Managerial Control (4).
ACG 5065.	Fundamentals of Accounting and Finance (3).
ACG 5135.	Financial Accounting Theory and Standard Setting (3).
ACG 5356.	Advanced Management Accounting (3).
ACG 5405.	Advanced Accounting Information Systems (3).
ACG 5458.	Emerging Technologies in Accounting and Auditing (3).
ACG 5466.	Enterprise Systems and Accounting (3).
ACG 5505.	Government and Not-for-Profit Accounting and Auditing (3).
ACG 5635.	Auditing Theory and Application II (3).
ACG 5685.	Forensic Accounting (3).
ACG 5695.	Challenges in Professional Accounting (3).
ACG 5905r.	Directed Individual Study (1–3). (S/U grade only.)
ACG 5906r.	Special Studies in Management (1–3).
ACG 5915r.	Supervised Research (1–3). (S/U grade only.)
ACG 5935r.	Special Topics in Accounting (1–3).
ACG 5945r.	Supervised Teaching (1–3). (S/U grade only.)
ACG 6696.	Seminar in Financial and Auditing Research (3).
ACG 6835.	Seminar in Behavioral Accounting Research (3).
ACG 6885.	Introduction to Accounting Research (3).
ACG 6895.	Seminar in Capital Market Based Accounting Research (3).
ACG 6916r.	Supervised Research (1–5). (S/U grade only.)
ACG 6939r.	Doctoral Seminar in Accounting (3).
ACG 6946r.	Supervised Teaching (1–3). (S/U grade only.)
GEB 6904r.	Readings for Examination (1–12). (S/U grade only.)
TAX 5015.	Federal Tax Accounting II (3).
TAX 5065.	Research in Federal Taxation (3).
TAX 5105.	Seminar in Corporate Income Taxation (3).
TAX 5205.	Pass-Through Entities and Fiduciaries (3).
TAX 5405.	Seminar in Federal Taxation of Estates and Gifts (3).
TAX 5527.	Multijurisdictional Tax Issues (3).
TAX 5875r.	Special Topics in Taxation (1–3).

Program in ACTUARIAL SCIENCE

COLLEGE OF ARTS AND SCIENCES

Web Page: http://www.academic-guide.fsu.edu/actuarial_science.html

Coordinator: Steve Paris (Mathematics); **Advisory Committee:** Case (Mathematics); Beaumont, Benson (Economics); Whalley (Computer Science); Born (Risk Management/Insurance); Gatzlaff, Maroney (Risk Management/Insurance, MBA); Chicken, Huffer (Statistics); Icerman (Accounting); Christiansen (Finance)

This interdisciplinary degree provides broad instruction in the mathematical and statistical concepts underlying the operations of life, property, and casualty insurers; governmental regulatory agencies; pension and insurance consulting firms; and financial firms. Along with strong mathematical and computational skills and a solid grounding in each of the component disciplines, the program is designed to enhance leadership ability and communications skills. The program is also flexible enough to provide background for graduate or professional study in many areas beyond actuarial science, e.g., business, economics, finance, law, and statistics. The program is classified by the professional actuarial societies as advanced undergraduate and graduate education and research. All three of the actuarial professional societies' Validation by Educational Experience credit areas are approved; this provides FSU students an opportunity to directly advance their careers through their regular classes.

Students in the program are also assisted in moving forward professionally through seminars and tutorials in preparation for national actuarial examinations and by guest lecturers who are actuaries discussing the varied available employment.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in actuarial science satisfy this requirement by earning a grade of "C-" or higher in COP 3014 or ISC 3313.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.fvc.org/fvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. COP XXXX: a scientific programming course for three credit hours designed for computer science majors
2. ECO X013
3. ECO X023
4. MAC X311
5. MAC X312
6. MAC X313

Note: A "C" grade or better in all coursework is required for admission.

For curriculum information, please see the "Department of Mathematics" chapter in this *General Bulletin* and the departmental Web site at <http://www.math.fsu.edu>.

AEROSPACE ENGINEERING:
see Mechanical Engineering

ADULT EDUCATION:
see Educational Leadership and Policy Studies; Educational Psychology and Learning Systems

ADVERTISING:
see Communication

Department of AEROSPACE STUDIES

AIR FORCE ROTC COLLEGE OF ARTS AND SCIENCES

Web Page: <http://www.fsu.edu/~rotc/>

Professor: Colonel Terrance J. McCaffrey III

The Department of Aerospace Studies provides pre-commissioning education for qualified students who desire to serve on active duty as commissioned officers in the United States Air Force. The department offers a standard and condensed four-year commissioning programs. The four-year program provides on-campus study during the freshman through senior years. The aerospace studies curriculum is divided into two phases: (1) the general military course; and (2) the professional officer course. The condensed program compresses the general military course to one academic year beginning in the fall. To obtain specific information, please e-mail the Department of Aerospace Studies at det145@us.af.mil, visit us at *Florida State University, 212 Harpe-Johnson Hall, Tallahassee, FL 32306-4270*, call (850) 644-3461, or view our Web page at <http://www.fsu.edu/~rotc/>.

General Military Course

This program of instruction is open to any student and consists of the first- and second-year courses for students in the four-year Air Force Reserve Officer Training Corps (AFROTC) program. These courses deal with the Air Force structure and the development of air power. They strengthen interest in becoming a professional Air Force officer, develop knowledge of world military forces, and enable the student to understand how the United States Air Force supports national objectives and policies. Class enrollment size is limited, and priority will be given to FSU, FAMU, TCC, and ERAU students enrolled in the AFROTC program.

Professional Officer Course

Aerospace studies courses offered during the third and fourth years must be completed by all students who seek a commission through AFROTC. Coursework continuity is designed to prepare college students to serve as active duty Air Force officers upon graduation and commissioning. The curriculum stresses national security in contemporary American society, leadership, management, and professionalism. Special emphasis is placed on developing the cadet's communicative skills. Students entering this course must be selected in accordance with the prerequisites listed below. Students not currently enrolled in the AFROTC program must have permission of the department chairperson prior to enrolling in these courses. Class enrollment size is limited, and priority is given to those FSU and FAMU students enrolled in the AFROTC program.

Required Admission Criteria for Air Force ROTC

1. Pass a military physical examination
2. Pass the four-event physical fitness test
3. Pass height/weight standards
4. Have a 2.5 cumulative GPA or higher for undergraduates or a 3.0 cumulative GPA or higher for graduate students.

Note: Call the Department of Aerospace Studies (850) 644-3461 for specific requirements.

Leadership Laboratory

Leadership laboratory is required for members of the Reserve Officer Training Corps, or students who are eligible to pursue a commission as determined by the chairman of the Department of Aerospace Studies. Leadership laboratory is the formalized phase of leadership training conducted by the cadets. It is scheduled for up to two hours each week. All uniforms and equipment required for cadet activities are furnished.

Physical Training

Each cadet will attend a minimum requirement of two or three PT activities per week (lasting no more than a total of three hours per week). A Department of Defense Medical Examination Review Board physical or a University sports physical is required prior to participation.

Monetary Allowances

Once the admission criteria have been met, the student may compete for the opportunity to contract for four years of active duty as a commissioned

officer upon graduation. Upon selection and acceptance, the student receives a monthly, tax-exempt stipend ranging from \$300.00–\$500.00. Tuition assistance is possible but not guaranteed. It is awarded on a competitive basis.

AFROTC College Scholarship Programs

Go to <http://www.afrotc.com> for current information or contact the Department of Aerospace Studies at (850) 644-3461.

Field Training

Cadets are required to attend a four-week field training course before they may formally enroll in the professional officer course. Field training provides a better understanding of the United States Air Force mission, increases the cadets' proficiency in junior officer training areas, and stresses the importance of physical conditioning.

All field training courses are conducted at Maxwell Air Force Base in Montgomery, AL. Students attending these courses receive pay for the encampment plus travel allowances.

Officer Commissions

Upon graduation from the University, cadets who complete the professional officer course are commissioned as Second Lieutenants in the United States Air Force. As graduates they incur an obligated active duty tour of four years for non-flyers, six years for navigators, and ten years for pilots.

Minor

A minor in aerospace studies is offered and may be selected by the student with the approval of the major department and the Department of Aerospace Studies. Requirement for a minor is twelve semester hours in aerospace studies courses.

Oral Communications Competency

Florida State University requires students to demonstrate competency in oral communications prior to graduation. Students who meet the specific criteria below may be awarded the competency through AFR courses.

1. Successfully complete (grade of "C–" or better) the verbal presentation portion of three AFR courses
2. Apply to the department office assistant for award of the competency. Students should be advised that application alone does not guarantee that credit toward the completion of the oral communication competency requirement will be awarded. All applications must be reviewed prior to graduation.
3. All AFROTC courses are eligible for consideration.

Note: Students not currently enrolled in the AFROTC program must have the permission of the department chairman prior to enrolling in any AFR course. Class enrollment size is limited, and priority will be given to FSU, FAMU, TCC, and ERAU students seeking a commission in the Air Force and needing AFR courses. Non-AFROTC program students are not eligible for scholarships, incentive pay, or stipends as a result of enrollment in AFROTC program courses.

Special Activities

Special activities provide for the development of teamwork and esprit-de-corps. Included are the Arnold Air Society, a national honorary organization and Silver Wings, a community service oriented organization open to all students. Students who desire to fly can participate in a flying program with the Florida Civil Air Patrol.

Awards and Decorations

Awards and decorations, made available by national organizations, Florida State University, and local/national military organizations, are presented to both general military course and professional officer course cadets each year. These plaques, trophies, medals, and ribbons symbolize superior achievement in AFROTC and other University academic courses and in outstanding campus and cadet corps leadership.

Definition of Prefix

AFR—Aerospace Studies

Undergraduate Courses

AFR 1101. USAF Strategic Forces (1). This course deals with the Air Force structure as well as traditions behind customs and courtesies.

AFR 1102. USAF General Purpose and Support Forces (1). This course is a continuation of AFR 1101, dealing with Air Force structure and traditions.

AFR 2130. Development of Airpower I (1). This course, along with AFR 2140, is a study of airpower from balloons and dirigibles through the jet age, a historical review of airpower employment in military and nonmilitary operations in support of national objectives, and a look at the evolution of airpower concepts and doctrine.

AFR 2140. Development of Airpower II (1). This course is a continuation of AFR 2130.

AFR 2233L. AFROTC Leadership Lab (0). (S/U grade only.) For AFROTC cadets only. This laboratory explores topics related to AFROTC leadership.

AFR 2940. Basic Aerospace Internship (4). (S/U grade only.) (AFROTC Field Training.) Prerequisites: Selection for the professional officer course portion of the AFROTC program and permission of the professor of aerospace studies. This internship provides AFROTC field training.

AFR 3201. Air Force Management (3). This course is the initial semester of a study of leadership and management fundamentals. Material deals with general managerial and leadership concepts and theories and relates them to the Air Force junior officer. A block on communicative skills is included in this course.

AFR 3202. Air Force Junior Officer Leadership (3). This course is a continuation of AFR 3201, studying leadership and management.

AFR 4211. U.S. Defense Policy and Strategy Formulation (3). Prerequisite: AFR 3202. This course, along with AFR 4212, includes an examination of the need for national security, analysis of the evolution of the American defense strategy and policy and of the methods for managing conflicts, and a study of the formulation of American defense policy and strategy.

AFR 4212. Preparation for Active Duty (3). Prerequisite: AFR 4211. This course is a continuation of AFR 4211.

Note: If stated prerequisites are not met, permission of the professor of aerospace studies is prerequisite to all courses.

AFRICAN HISTORY:
see African-American Studies; History

Program in AFRICAN-AMERICAN STUDIES

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY

Web Page: <http://www.coss.fsu.edu/aas/>

Director: Dr. Patrick L. Mason

The African-American Studies Program is an interdepartmental and interdisciplinary study of the history, culture, and socio-economic well-being of African-Americans. Knowledge and research methods drawn from several disciplines enable students to enhance their understanding of African-Americans' unique social circumstances and heritage, and acquire a deeper comprehension of the history and culture of the nation as a whole. Located in the College of Social Sciences and Public Policy, the program utilizes faculty from several departments within and beyond the College. African-American Studies offers students the opportunity to understand American society and the international arena from the unique vantage point of the African Diaspora, most especially focusing on Americans of African descent.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in African-American Studies satisfy this requirement by earning a grade of "C-" or higher in CGS 2060, CGS 2064, or CGS 2100.

With the director's approval, courses offered at Florida A&M University that are not offered at FSU may be used to fulfill the requirements for African-American Studies major and minor. A minimum of fifteen semester hours in African-American Studies courses must be taken at Florida State University.

Requirements for a Minor in African-American Studies

The program minor consists of eighteen semester hours with and a cumulative grade point average (GPA) of 2.0 in all coursework and a grade of "C-" or better in each course. The minor is to be structured as follows:

1. Completion of nine hours in African-American Studies, including the core sequence:
 - AFA 2000** Introduction to the African-American Experience (3)
 - AND**
 - AFA 3101** Theory and Dynamics of Racism and Oppression (3)
 - OR**
 - SYD 4700** Race and Minority Group Relations (3)
 - AND**
 - ANT 4352** Peoples and Cultures of Africa (3)
 - OR**
 - LAH 4723** Race and Class in Colonial Latin America (3)
 - OR**
 - SOP 3782** Psychology of the African-American (3)
2. At least three hours of African or African-American History
3. At least six hours of African-American Studies Supplementary Courses listed at the last section under requirements for the major

Requirements for a Major in African-American Studies

The African-American Studies major requires a total of thirty-six semester hours. Courses from the African-American Studies core provide the foundational knowledge and theoretical perspectives for the major. Utilizing the electives, students complete a specialty within a particular area of intellectual interest. Students pursuing the Bachelor of Science (BS) degree may specialize in economics, political science, or sociology. Students pursuing the Bachelor of Arts (BA) degree may specialize in humanities. In each case, the student selects nine hours from African-American Studies core courses, six hours of either African or African-American history, and twenty-one hours of elective courses from a chosen specialty area. Students must have a cumulative grade point average (GPA) of 2.0 in all coursework for the major and a grade of "C-" or better in each course.

Core Course Requirements

Students must complete nine hours in the African-American Studies core sequence:

- AFA 2000** Introduction to the African-American Experience (3)
AND
AFA 3101 Theory and Dynamics of Racism and Oppression (3)
OR
SYD 4700 Race and Minority Group Relations (3)
AND
ANT 4352 Peoples and Cultures of Africa (3)
OR
LAH 4723 Race and Class in Colonial Latin America (3)
OR
SOP 3782 Psychology of the African-American (3)

History Requirement

Completion of six hours in African and/or African-American history courses selected from the following:

- AFH 1000** African History and Civilization (3)
AFH 3451 Sub-Sahara Africa Since 1800 (3)
AFH 4302 North African History: A Survey (3)
AMH 1091 The African-American Experience in the United States (3)
AMH 2096 Black Women in America (3)
AMH 2097 Nationality, Race, and Ethnicity in the United States (3)
AMH 4571 Black America to 1877 (3)
AMH 4572 Black America Since 1877 (3)
LAH 4470 History of the Caribbean (3)
LAH 4723 Race and Class in Colonial Latin America (3)
HIS 4930r Special Topics in History (3) (*with approved topic)

Bachelor of Science (BS) Track Requirements

Completion of an economics, political science, or sociology specialty area as described below.

Economics Specialty

The economics specialty consists of twenty-one hours of coursework from the following set of courses. Students should consult with their academic adviser for necessary prerequisite coursework.

- Required courses (six hours):
ECO 4421 Introduction to Econometrics (3)
AND
ECO 3104 Applied Microeconomic Analysis (3)
OR
ECO 4101 Intermediate Microeconomic Theory (3)
- Additional specialty courses (nine hours):
ECO 4704 International Trade (3)
ECP 3143 Afro-Americans in the American Political Economy (3)
ECP 3203 Labor Economics (3)
ECP 4613 Urban Economics (3)
ECS 4013 Economics of Development (3)
- Supplementary courses (six hours) selected from the approved African-American Studies supplementary course list.

Political Science Specialty

The political science specialty consists of twenty-one hours of coursework from the following set of courses. Students should consult with their academic adviser for necessary prerequisite coursework.

- Required course (three hours):
POS 3713 Understanding Political Science Research (3)
- Additional specialty courses (twelve hours):
CPO 3034 Politics of Developing Areas (3)
POS 3142 Urban Politics (3)
POS 3931 Special Topics in Government (1-3)
POS 4624 The Supreme Court, Civil Liberties, and Civil Rights (3)
PUP 3002 Introduction to Public Policy (3)
PUP 4024 Interest Groups, Social Movements, and Public Policy (3)
URP 4741 Introduction to Issues in Housing and Community Development (3)
- Supplementary courses (six hours) selected from the approved African-American Studies supplementary course list.

Sociology Specialty

The sociology specialty consists of twenty-one hours of coursework from the following set of courses. Students should consult with their academic adviser for necessary prerequisite coursework.

- Required courses (six hours):
SYA 4010 Sociological Theory (3)
SYA 4400 Social Statistics (3) or POS 3713 Understanding Political Science Research (3)
- Additional specialty courses (nine hours):
SYA 4930 Selected Topics in Sociology (3)
SYD 4700 Race and Minority Group Relations (3)
SYD 4730 African Americans in Modern Society (3)
SYO 3530 Social Classes and Inequality (3)
SYP 3350 Collective Action and Social Movements (3)
- Supplementary courses: (six hours) selected from the approved African-American Studies supplementary course list

Bachelor of Arts (BA) Track Requirements

Completion of a foreign language requirement through the intermediate college level in French, Spanish, Portuguese or Arabic for the Bachelor of Arts (BA) degree and completion of requirements for the humanities specialty area:

Humanities Specialty

The humanities specialty consists of twenty-one hours from the following set of courses. Students should consult with their academic adviser for necessary prerequisite coursework.

- Humanities specialty courses (fifteen hours)
AFH 3451 Sub-Sahara Africa Since 1800 (3)
AFH 4302 North African History: A Survey (3)
AMH 1091 The African-American Experience in the United States (3)
AMH 2096 Black Women in America (3)
AMH 2097 Nationality, Race, and Ethnicity in the United States (3)
AMH 4571 Black America to 1877 (3)
AMH 4572 Black America Since 1877 (3)
AML 2600 Introduction to African-American Literature (3)
AML 3682 American Multi-Ethnic Literature (3)
AML 4604 The African-American Literary Tradition (3)
ARH 2630 Survey in African-American Art and Aesthetics (3)
ARH 4118 Archaeology of Ancient Egypt (3)
DAN 3185 African-American Dance in American Culture (3)
HIS 4930r Special Topics in History (3) (*with approved topic)
LAH 4470 History of the Caribbean (3)
LAH 4723 Race and Class in Colonial Latin America (3)
LIT 4329 African American Folklore (3)
MUH 4801 History of Jazz I (2)
MUH 4802 History of Jazz II (2)
REL 3936r Special Topics in Religion (1-3). (*with approved topic)
REL 4190r Undergraduate Religion and Culture Seminar (3) (*with approved topic)
- Supplementary courses: (six hours) selected from the approved African-American Studies supplementary course list :

African-American Studies Supplementary Course List (six hours)

- AFA 3101** Theory and Dynamics of Racism and Oppression (3)
AFA 3330 Black Families in America (3)
AFA 3930r Special Topics (1-3)
AFA 4905r African American Studies Directed Individual Study (1-4)

Anthropology

- ANT 4352** Peoples and Culture of Africa (3)

Art History

- ARH 4118** Archaeology of Ancient Egypt (3)

Communications

- SPC 4710** Interracial/Intercultural Communication (3)

Criminology

- CCJ 4662** Minorities, Crime, and Social Policy (3)
CCJ 4938 Special Topics in Criminology (3)

Dance

- DAN 3185** African American Dance in American Culture (3)

Economics

- ECO 4704 International Trade (3)
 ECP 3143 Afro-Americans in the American Political Economy (3)
 ECP 3203 Labor Economics (3)
 ECP 4613 Urban Economics (3)
 ECS 4013 Economics of Development (3)

English

- AML 2600 Introduction to African-American Literature (3)
 AML 3682 American Multi-Ethnic Literature (3)
 AML 4604 The African-American Literary Tradition (3)
 LIT 4329 African American Folklore (3)

History

- AFH 3451 Sub-Sahara Africa Since 1800 (3)
 AFH 4302 North African History: A Survey (3)
 AMH 1091 The African-American Experience in the United States (3)
 AMH 2096 Black Women in America (3)
 AMH 2097 Nationality, Race, and Ethnicity in the United States (3)
 AMH 4571 Black America to 1877 (3)
 AMH 4572 Black America Since 1877 (3)
 LAH 4470 History of the Caribbean (3)
 LAH 4723 Race and Class in Colonial Latin America (3)
 HIS 4930r Special Topics in History (3) (*with approved topic)

Music

- MUH 4801 History of Jazz I (2)
 MUH 4802 History of Jazz II (2)

Philosophy

- PHM 2121 Philosophy of Race, Class and Gender (3)

Political Science

- CPO 3034 Politics of Developing Areas (3)
 POS 3142 Urban Politics (3)
 POS 3931 Special Topics in Government (1-3)
 POS 4624 The Supreme Court, Civil Liberties, and Civil Rights (3)
 PUP 3002 Introduction to Public Policy (3)
 PUP 4024 Interest Groups, Social Movements, and Public Policy (3)

Psychology

- SOP 3782 Psychology of the African-American (3)

Religion

- REL 3936r Special Topics in Religion (1-3). (*with approved topic)
 REL 4190r Undergraduate Religion and Culture Seminar (3) (*with approved topic)

Sociology

- SYD 3600 Cities in Society (3)
 SYD 4700 Race and Minority Group Relations (3)
 SYD 4730 African Americans in US Society (3)
 SYG 2010 Social Problems (3)
 SYO 3530 Social Classes and Inequality (3)
 SYO 4352 The Sixties: Social Change, Social Movement (3)
 SYP 3350 Collective Action and Social Movements (3)

Urban and Regional Planning

- URP 4741 Introduction to Issues in Housing and Community Development (3)

***Note:** Special topics and seminar courses receive credit toward the African-American Studies major or minor only when it is appropriate for them to do so. Where appropriate, courses offered at Florida A&M University that are not offered at FSU may be used to fulfill the requirement for a Bachelor's degree with permission of the academic dean.

Definition of Prefix

AFA—African-American Studies

Undergraduate Courses

AFA 1003. Diversity and Justice (1). This course integrates African authors, pre- and post-Apartheid, to demonstrate the problems of living in a diverse world. It fosters awareness and acceptance of people different from students through the study of African-American culture, and stimulates an appreciation and respect for people of all cultures.

AFA 2000. Introduction to the African-American Experience (3). This course is an interdisciplinary examination of African-American culture and socio-economic status. This course also explores elements of the African Diaspora.

AFA 3101. Theory and Dynamics of Racism and Oppression (3). This course is a conceptual, institutional, and historical analysis of the operation and inner logic of racism and oppression.

AFA 3330. Black Families in America (3). This course explores the social, economic, and cultural forces that have shaped the development of African-American families. In examining historical and contemporary transitions in the structure and functioning of African-American families, special emphasis is given to the bifurcation in the distribution of wealth and power in American society, as well as the role of racial stratification. The course also seeks to empirically examine contemporary policy and political debates on crucial issues confronting African-American families.

AFA 3930r. Special Topics (1-3). This course varies with instructor and semester. May be repeated to a maximum of nine semester hours.

AFA 4905r. African-American Studies Directed Individual Study (1-4). May be repeated to a maximum of four semester hours. May be repeated within the same semester.

Program in AMERICAN AND FLORIDA STUDIES

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://www.fsu.edu/~ams/bareq.html>

Program Director: John Kelsay; **Undergraduate Adviser:** Kathryn Stoddard

Effective as of December 2009, the Program in Interdisciplinary Humanities is suspending admission into the American and Florida Studies major for all new students. However, current students in the major will be allowed to complete their programs of study as outlined in the catalog of the year of admission. For questions and further advising, please contact Dr. Kathryn Stoddard in the Program in Interdisciplinary Humanities at (850) 645-8292.

American Studies is concerned with the culture of the United States studied from cross-disciplinary interdepartmental perspectives. The aim of the program is toward enlarged dimensions of awareness rather than toward further refinements of disciplinary analysis. A wide variety of courses are available from many departments. The flexibility of the program gives students an opportunity to develop a curriculum commensurate with their own interests and needs.

In addition, students may focus on Florida Studies, that is, on Florida in the Americas. The same cross-disciplinary mode of study is utilized to interpret the Florida experience in the context of the way(s) Florida has been perceived by Americans, past and present.

Course Overlap with Liberal Studies and/or Other Majors: A maximum of three semester hours may overlap between the American Studies major and the Liberal Studies requirements. A maximum of six semester hours may overlap between American Studies and another major. No courses taken toward the minor in American Studies can overlap with any other requirements (exclusive of writing or Multicultural X and Y classes).

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in American and Florida Studies satisfy this requirement by earning a grade of “C–” or higher in CGS 2060 (preferred), CGS 2064, or CGS 2100.

Requirements

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this *General Bulletin*.

Major

Thirty semester hours are required, distributed in a way satisfactory to both the student and the director, not including courses used to satisfy liberal studies requirements. All students are required to take at least nine semester hours in American studies courses, including a special topics course, and at least three semester hours in each of the areas of study listed below. No more than twelve semester hours in any one area may be counted toward the major. The areas of study are literature, history, fine arts, and social sciences. Any course in the University that deals primarily with the United States may be included under one of these areas. Interested students may obtain from the director a list of courses generally used in the program. In addition, students must complete an approved minor.

Honors in the Major

American Studies participates in the honors in the major program to encourage talented juniors and seniors to undertake independent and original research as part of the undergraduate experience. For requirements and other information, see the “University Honors Office and Honor Societies” chapter of this *General Bulletin*.

Minor

The minor in American and Florida studies offers an excellent complement to a major in Humanities, the social sciences, and fine arts. The minor requires AMS 3310 Changing Concepts of the American Character, and AMS 3810 The Life of the Mind in America, plus six semester hours in history, literature, fine arts, or social sciences that have been approved by the director.

Combined Bachelor's/Master's Degree Program

American and Florida Studies offers a combined Bachelor of Arts/Master of Arts (BA/MA) program designed for academically strong students who wish to pursue an accelerated program culminating in a Bachelor of Arts (BA)

degree and a Master of Arts (MA) degree. This five-year program allows up to twelve semester hours of coursework to be dually counted toward both the BA and the MA degree.

Before applying to the combined BA/MA program in American and Florida Studies, an undergraduate student should have declared American and Florida Studies as the major, completed at least twelve semester hours of coursework toward the major with a GPA of 3.5 in that coursework, and completed at least sixty semester hours at Florida State University with a GPA of 3.0. Transfer students must have completed at least two semesters and twenty-four semester hours at Florida State while maintaining a GPA of 3.0 before applying.

Undergraduate students may apply as early as the second semester of their sophomore year. If accepted, they should take the GRE at the end of their junior year and apply to the graduate school during the first semester of their senior year. Students who fail to be admitted into the graduate school may not continue with the accelerated program. In order to remain in the accelerated program, a student must maintain at least a 3.0 GPA in all coursework and at least a 3.2 GPA in courses counting toward the major in American and Florida studies at or above the 4000 level.

Definition of Prefix

AMS—American Studies

Undergraduate Courses

Note: AMS 3310 Changing Concepts of the American Character, and AMS 3810 The Life of the American Mind, fulfill the Liberal Studies Humanities requirement and are designated by the Undergraduate Policy Committee as requiring 3,000 words of writing. AMS 3310 also satisfies the Liberal Studies Literature requirement.

AMS 1363r. Issues in American Civilization: The University (1–2). (S/U grade only.) This course covers issues in American civilization and places emphasis on the University. May be repeated to a maximum of two semester hours.

AMS 3310r. Changing Concepts of the American Character (3). This course is a study of American culture and values. May be repeated to a maximum of six semester hours. May be repeated within the same semester.

AMS 3810r. The Life of the Mind in America (3). This course addresses topics in American intellectual history. May be repeated to a maximum of six semester hours. May be repeated within the same semester.

AMS 3932r. Lecture Series in American Problems (3). This course explores American problems. May be repeated to a maximum of six semester hours. May be repeated within the same semester.

AMS 3949r. Cooperative Education Work Experience (0). (S/U grade only.) May be repeated.

AMS 4905r. Directed Individual Study (1–3). May be repeated to a maximum of six semester hours. May be repeated within the same semester.

AMS 4913r. Honors Work (1–6). May be repeated to a maximum of nine semester hours.

AMS 4935r. Senior Seminar (3). May be repeated to a maximum of twelve semester hours. May be repeated within the same semester.

AMS 4941r. Internship in an Approved American Studies Field (3–9). (S/U grade only.) Prerequisite: Must have completed one full semester of major courses (twelve credit hours or more) before registering for internship. May be repeated to a maximum of nine semester hours.

Graduate Courses

AMS 5809r. Seminar in American Culture (3).

AMS 5815r. Seminar in American Thought (3).

AMS 5908r. Directed Individual Study (1–3).

AMS 5915r. Supervised Research (1–3). (S/U grade only.)

AMS 5940r. Supervised Teaching (1–3). (S/U grade only.)

AMS 5942r. Internship in an Approved American Studies Field (3–9). (S/U grade only.)

For listings relating to graduate coursework for thesis, dissertation, and master's examination and defense, consult the *Graduate Bulletin*.

Department of ANTHROPOLOGY

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://www.anthro.fsu.edu/>

Chair: Doran; Professors: Doran, Falk; Associate Professors: Marrinan, Peters; Professors Emeriti: Ho, Paredes, Pohl; Courtesy Professor: Pullen; Adjunct Professors: Kowal, Rill, Thomas

The department offers an undergraduate degree in anthropology. Anthropology investigates humankind in all its diversity. It includes the study of human origins, physical characteristics, adaptations, distributions, customs, artifacts, languages, beliefs, and practices. Anthropologists divide their work among four sub-disciplines. Archaeologists study material objects left behind by prehistoric and historic peoples and document stability and change in human behavior over long time periods. Physical (biological) anthropologists study living primates, the fossil record of primates and early humans, comparative anatomy and osteology, contemporary forensic anthropology, medical anthropology, human variation, and the evolutionary and biological bases for cognition and culture in humans. Cultural anthropologists live among and study contemporary peoples; their social institutions; their history; their political, religious, and medical practices; and the creative products of their social lives. Anthropological linguists study the evolution and structure of human language and the relationships between language, culture, and society.

The undergraduate offerings in anthropology include survey courses to give liberal studies students an introduction to human diversity and behavior, and upper division courses for advanced students with specialized interests. The courses provide a rigorous course of study intended to prepare students for graduate study in any one of the subfields of anthropology. The courses also provide a science-based liberal arts education to students wishing to pursue other professional degrees such as law or medicine (with additional coursework) and to those students who may not wish to pursue graduate studies. Students with a heavy anthropology background often develop careers in areas of public policy, cultural resource management, public health, women's studies, museum studies, and other areas where practical approaches contribute to providing workable solutions to human problems.

The department also participates in the undergraduate programs in Latin American and Caribbean studies, Middle Eastern studies, and in the honors in the major program. For further information on the program, its offerings, and updated status on the degree suspension please visit <http://www.anthro.fsu.edu>.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in Anthropology satisfy this requirement by earning a grade of "C-" or higher in CGS 2060, CGS 2064, or CGS 2100.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.fvcc.org/fvcc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. ANT XXXX: two introductory anthropology courses (ANT prefix) for six credit hours

Requirements for a Major in Anthropology

To complete a BA or BS degree with a major in anthropology, a student must take, in addition to other college requirements, thirty semester hours of anthropology courses, including the following: ANT 2100, 2410, 2511, 3610, 4034, and fifteen additional semester hours of anthropology coursework at the 3000-4000 level. No more than three semester hours of credit in fieldwork courses and no hours of directed individual study (DIS) or satisfactory/unsatisfactory (S/U) credits may be used to meet the specific requirement of fifteen semester hours of work at the 3000-4000 level, except upon approval of a peti-

tion to the department chair. LIN 4030 and 4040 may be counted as equivalents of courses designated as ANT for purposes of completing the undergraduate major requirement of thirty semester hours in the department, but no more than three semester hours of LIN courses will be counted toward completion of the specific requirement of fifteen semester hours of work at the 3000-4000 level. No anthropology course for which the student receives a grade below "C-" may be counted toward satisfaction of the major requirements.

Requirements for a Minor in Anthropology

Twelve semester hours in anthropology, including either ANT 2410 or ANT 2511, are required. Courses in which a student receives a grade below "C-" will not be counted toward the minor.

Definition of Prefixes

ANG—Anthropology: Graduate

ANT—Anthropology

LIN—Linguistics

Undergraduate Courses

ANT 2000. Introduction to Anthropology (3). This introductory course offers a holistic approach to understanding what it means to be human, studying humans and human behavior from the perspectives of evolution and genetics, the archaeological record, and language and culture.

ANT 2100. Introduction to Archaeology (3). This course is an introduction to modern anthropological archaeology. The course introduces students to the interdisciplinary scientific approaches employed in contemporary archaeological research and provides them with an overview of the origins and evolution of human social and economic systems.

ANT 2100L. Introduction to Archaeology Laboratory (1). Corequisite: ANT 2100. The course is conducted as a hands-on laboratory in archaeological methodology. Each week, students have a series of laboratory exercises designed to teach specific analytical techniques, including paleozoological analysis, paleobotanical analysis, geophysical prospecting techniques, and GIS.

ANT 2138. World's Greatest Shipwrecks (3). This course provides an introduction to the field of nautical archaeology through the excavation and exploration of ships and boats from 5000 years ago in ancient Egypt to the U.S.S. Yorktown of WW II. From Titanic to treasure ships, this global survey explores economy, technology, and society.

ANT 2301. Evolution of Human Sexuality (3). This course is an examination of human sexuality from an evolutionary perspective. Some of the topics covered include sexual selection, mating systems, mate preferences, and sexual orientation.

ANT 2410. Introduction to Cultural Anthropology (3). This course introduces the origin and development of human lifeways with emphasis on non-Western societies. A comparative perspective is used to examine language, social organization, religion, values, and technology. Attention is also given to contemporary world problems.

ANT 2416. Childhood Around the World (3). This course examines the variety of ways childhood is experienced in other cultures, allowing students without a background in anthropology to develop an appreciation for the nature of childhood and the pivotal role this stage plays in maintaining cultural continuity and influencing cultural evolution.

ANT 2460. The Anthropology of Food (3). This course examines the ways in which anthropologists have been thinking and writing about food. Archaeological dietary records for early humans and for other early primates are explored to highlight human dietary adaptations and to investigate how dietary changes have contributed to cultural and biological variation.

ANT 2470. The Anthropology of Globalization (3). This course introduces students to the topic of globalization as conceptualized by cultural anthropologists, examining the spread of capitalist economic principles into cultures in which other logics regulate economic and social life. The course draws on ethnography, political economy, public health, and ecology to explore how populations resist, appropriate, and exploit the perils and opportunities of globalization.

ANT 2511. Introduction to Physical Anthropology and Prehistory (3). This course introduces theory and principles of genetically based evolution. It reviews fossil evidence for human evolution and competing ideas about the specific pathways to modern humans. It emphasizes the genetic unity of humankind and the universal features that underlie individual and cultural diversity.

ANT 2511L. Introduction to Physical Anthropology and Prehistory Laboratory (1). Corequisite: ANT 2511. This laboratory provides students an opportunity to observe, handle, and measure archaeological artifacts, skeletal material, and copies of important fossil hominids. Weekly exercises strengthen students' understanding of the scientific procedures used to interpret the nature and causes of human evolution.

ANT 2534. Race: Biology & Culture (3). This course examines the concept of race from the perspective of biological and cultural anthropology, beginning with the study of modern human biological variation and its clinical distribution. This biological patterning is then contrasted with the social categories of race. The final section of the course covers the history of the concept of race, the ways humans culturally construct divisions in different societies, and the continuing effects of racial concepts on science and on modern cultures.

ANT 3101. Fundamentals of Archaeology (3). Prerequisite: ANT 2100. This course provides an overview of objectives, field strategies, basics of laboratory analysis, interpretative approaches to the record, and what the threats to archaeological/cultural resources are. This includes a brief overview of the history of archaeology and the changes in strategies used to examine the prehistoric and historic archaeological records. An emphasis is placed upon developing an understanding of the fundamental objectives and methodologies used in modern anthropological archaeology.

ANT 3141. World Prehistory (3). This course outlines the major events in human cultural and social evolution and includes a brief presentation of general archaeological methods and objectives. The course focuses on the evolution of civilization in the Middle East, Europe, China, Africa, and the Americas.

ANT 3212. Peoples of the World (3). This course is a survey of the world's cultures by major geographic regions. The purpose is to familiarize the student with the range and variety of the human condition and at the same time instill in the student a respect and admiration for humankind. Lectures, readings, and visual materials are utilized.

ANT 3520. Introduction to Forensic Anthropology (3). Prerequisite: ANT 2511. This course is an introduction to forensic anthropology as a scientific discipline within the field of anthropology, examining what happens to a body immediately after death, the process of decomposition, and taphonomic changes. The course also examines what is required of a forensic investigation of such a body from search to documentation, collection, processing, and lab analysis.

ANT 3610. Language and Culture (3). This course is an introduction to and examination of human language, its relation to perception and cognition, and its role in social interaction. This includes verbal as well as nonverbal communication modes, their variety and complexity, the evolution of language, and language change.

ANT 4034. History of Anthropology (3). Prerequisites: ANT 2100, 2410 and 2511. This course is a survey for majors that reviews the development of the central ideas that have shaped the emergence of anthropology as a science. The approach is critical and objective, the presentation is chronological, and the emphasis is to evaluate the scope and limitations of modern theories.

ANT 4122. Wetlands Archaeology (3). Prerequisite: ANT 2100. This course provides an introduction to wet site archaeology, incorporating an overview of wet sites, their geographic distribution, methods of excavation, conservation requirements, and the field's contribution to our understanding of the past.

ANT 4133. Introduction to Underwater Archaeology (3). Prerequisite: ANT 2100. This course is a survey of the history, theory, methods, and problems of underwater archaeology, with attention given to the types of investigations and environments in which underwater archaeology is conducted and to the field's particular contributions to anthropology.

ANT 4134. Nautical Archaeology of the Americas (3). Prerequisite: ANT 2100. This course studies human interaction with bodies of water, particularly in the maritime environment. Illustrated presentations, readings, and discussions focus on a variety of cultures and watercraft built or used in the Americas.

ANT 4135. Nautical Archaeology: Global View (3). Prerequisite: ANT 2100. This course studies human interaction with bodies of water, particularly in the maritime environment. Illustrated presentations, readings, and discussions focus on variety of cultures and watercraft from Asia, Australia, the Mediterranean, and Europe.

ANT 4142. European Prehistory (3). Prerequisite: ANT 2100. This course introduces students to the archaeology of the European continent from its initial colonization by early hominids during the Lower Paleolithic through the archaic state civilizations of the Aegean Bronze Age.

ANT 4145. Origins of Complex Society (3). Prerequisite: ANT 2100. This course examines the evolution of ancient complex societies and theories of state origins using a comparative method involving ecological, economic, and social approaches to investigate the origins, collapse, and sustainability of complex societies.

ANT 4153. North American Archaeology (3). Prerequisite: ANT 2100. This course examines the prehistory of North America from the earliest big-game hunters who exploited extinct megafauna to the societies existing at the time of historic contact. Regional variation and continuity in subsistence and settlement patterns and material culture are examined.

ANT 4163. Mesoamerican Archaeology (3). Prerequisite: ANT 2100. This course investigates the development of high civilization in ancient Mesoamerica. Evidence is drawn from archaeology, art, architecture, ethnohistory, and ethnography.

ANT 4166r. Regional Civilizations in Ancient Mesoamerica (3). Prerequisite: ANT 2100 and ANT 4163. This course focuses on a regional civilization of ancient Mesoamerica (such as Maya, Olmec, or Mixtec) with each topic. Aspects of prehistoric society covered include: subsistence systems, trade, social and political organizations, ideology, calendrics and astronomy, language and writing, artifacts, architecture, sculpture, and painting. Format is seminar with presentations, research reports, and discussion. May be repeated to a maximum of nine semester hours.

ANT 4175. Archaeology of the Islamic World (3). Prerequisite: ANT 2100. This course examines the traditions and culture of Islamic peoples as reflected in the archaeological record. Issues related to the impact of religion on daily life, nationalism, and the development of archaeology in the Middle East are considered.

ANT 4185. Paleonutrition (3). Prerequisite: ANT 2100. This course covers methods in reconstruction of past economic behavior and diet. It includes lab work in identification and analysis of faunal remains.

ANT 4227r. Topics in PreColumbian Art and Iconography (3). This course focuses on major PreColumbian art traditions, as evidenced in the material culture. Attention is paid to cosmology and the socio-cultural context of art in each society. Topics include classic Maya art and iconography; Mixtec codices; Central Mexican art and iconography. May be repeated, when topics vary, to a maximum of nine semester hours.

ANT 4241. Anthropology of Religion (3). This course covers the cultural conceptions of supernatural reality with emphasis on comparative understanding of myth and ritual, the religious experience, and religious evolution and revitalization movements.

ANT 4242. Symbol and Ritual (3). Prerequisite: ANT 2410. This course is an introduction to symbolic approaches in anthropology and the study of ritual. It critically analyzes conceptual mechanisms that anthropologists use in analyzing symbolic activity. Material comes from various parts of the world.

ANT 4277. Human Conflict: Theory and Resolution (3). This course provides an introduction to the nature of and theories concerning human conflict from the interdisciplinary perspectives of biological and cultural anthropology, political economy, and the history of warfare. Particular emphasis is placed upon cross-cultural applications.

ANT 4302. Sex Roles in Cross-Cultural Perspective (3). Prerequisite: ANT 2410. This course explores sex roles in anthropological perspective with emphasis on data from archaeology and ethnology. Special emphasis on the interpretation of sex roles by anthropologists in the field.

ANT 4309. Conquest of the Americas (3). This course examines the conquest of the Americas. It explores the arts of domination, power, and resistance and specific historical encounters where such arts are employed.

ANT 4323. Peoples and Cultures of Mexico and Central America (3). This course provides an overview of Mexico and Central America and the multiplicity of cultural and linguistic groups within the developing modern nations from an anthropological viewpoint. It discusses cultural values and the problems of reconciling modern society with traditional peasant and indigenous ethnic groups, as well as institutions such as kinship and the family; technology, work, and ecological adaptations; social organization, political integration, religion, and ceremonial life.

ANT 4337. Peoples and Cultures of Amazonia (3). This course explores problems of similarity, difference, divinity, and nature/culture in Amazonia. It addresses the conceptual problem of where one culture ends and another begins with regard to Amazonian peoples. Topics include regional networks of trade, similar knowledge systems, shamanism, rainforest ecosystems, and social organization.

ANT 4352. Peoples and Cultures of Africa (3). This course is a survey of African peoples and cultures, emphasizing the sub-Saharan region. Topics studied include geography, prehistory, history, religion, political economy, kinship, gender, and marriage as well as contemporary issues in the anthropology of Africa.

ANT 4363. Japanese Society and Culture (3). This course is intended to be an anthropological introduction to Japan. It aims to clarify the origins of Japanese culture and people, to interpret its cultural history from the earliest times to the present, and to account for the relationship among the components of culture such as ideology, social structure, personality formation, and economic development.

ANT 4422. Kinship and Social Organization (3). This course surveys anthropological thought and practice (theory and methods) with respect to kinship and related forms of social organization, including the classification and analysis of kinship systems and associated terminology, patterns of marriage and residence, descent theory and alliance theory, and the role of kinship in different social systems.

ANT 4462. Introduction to Medical Anthropology (3). This course is an investigation of different medical systems and their practitioners, the ecology of health, illness, human adaptation, nutrition, and the life cycle.

ANT 4525. Human Osteology (3). Prerequisite: ANT 2511 or instructor permission. This course is designed to acquaint the student with each of the bones of the normal adult human skeleton. It is particularly appropriate for those students interested in archaeology and physical anthropology. Each bone is examined, followed by a review of abnormal variations. The uses of anthropometric instruments are demonstrated as are the methods of estimating age, sex, and racial origin.

ANT 4533. The Anthropology of Infancy (3). Prerequisite: ANT 2511 or instructor permission. This course provides an overview of the early phase of the life cycle. It uses data and theory from biological anthropology, primate ethology, evolutionary psychology, and sociocultural anthropology to provide nontraditional perspective on human development and its interface with the caretaking behavior of adults.

ANT 4552. Primate Behavior (3). Prerequisite: ANT 2511 or instructor permission. This course introduces the substantial scholarly literature on the behavior and ecology of free-ranging prosimians, monkeys, and apes. Anthropological applications of recent findings are emphasized.

ANT 4553. The Great Apes (3). Prerequisite: ANT 2511 or instructor permission. This course focuses on the behavior and ecology of the large-bodied, non-human hominoids: chimpanzees, bonobos, gorillas, and orangutans. It also introduces the complexities involved in using this evidence to draw conclusions about human evolution.

ANT 4586. Human Evolution (3). Prerequisite: ANT 2511 or instructor permission. This course emphasizes a close examination of the fossil record for human evolution. It builds on basic principles and ideas presented in ANT 2511.

ANT 4611. Linguistic Prehistory (3). This course introduces underlying concepts and methodology of cross-disciplinary studies that use linguistic data in the investigation of prehistory. Selected case studies convey some of the results of such research. The development of language families is seen as the result of social processes, which may also be reflected in the archaeological record leading to the possibility of discovering and interpreting correlations between these two (and other) lines of evidence.

ANT 4640. Sociolinguistics (3). Prerequisite: ANT 3610. This course provides students with an understanding of the role language plays in society as a means of communication and as a social diacritic, as well as a primary vehicle of enculturation and acculturation. Topics include the methodology and theoretical foundations of sociolinguistics, linguistic variation in a social context, social and geographical dialects, bi- and multilingualism, and literacy and language planning, as featured in case studies from around the world.

ANT 4824. Anthropological Fieldwork: Archaeology (9). Prerequisite: ANT 3101. This course trains students in the principles and methods of archaeological fieldwork, including research strategy development, recovery, recording and controls, sampling strategy, mapping, surveying, laboratory analysis, quantification, and report preparation. This is an intern-type course, sometimes requiring the student to live off-campus.

ANT 4907r. Directed Independent Study (1-3). May be repeated to a maximum of twelve semester hours.

ANT 4914r. Honors Work (1-3). May be repeated to a maximum of nine semester hours.

ANT 4930r. Special Topics in Anthropology (1-3). This course deals with specialized subjects and topics in anthropology. Topics may vary. May be repeated to a maximum of nine semester hours when topics vary. May be repeated within the same semester.

LIN 4030. Introduction to Historical Linguistics (3). This course is designed to familiarize students with the world language families, notion of relatedness, sound correspondence, comparative method, internal reconstruction, and the reconstruction of the Proto-Indo-European languages. Several theories of sound change are also discussed.

LIN 4040. Introduction to Descriptive Linguistics (3). This course attempts to develop an understanding of the organization of language, to provide tools and techniques for describing language data, and to examine various models of linguistic description.

Graduate Courses

- ANG 5091.** Seminar in Research Methods (3).
ANG 5115. Seminar in Archaeology (3).
ANG 5116. Regional Analysis in Archaeology (3).
ANG 5117. Core Seminar in Archaeology (3).
ANG 5124. Archaeobotany (3).
ANG 5129. Wetlands Archaeology (3).
ANG 5134. Nautical Archaeology of the Americas (3).
ANG 5137. Nautical Archaeology: Global View (3).
ANG 5145. Origins of Complex Society (3).
ANG 5155. Archaeology of the Southeastern United States (3).
ANG 5172. Historic Archaeology (3).
ANG 5194r. Analysis and Interpretation of Archaeological Research (3).
ANG 5240. Anthropology of Religion (3).
ANG 5242. Symbol and Ritual (3).
ANG 5266. Economic Anthropology (3).
ANG 5275. Human Conflict: Theory and Resolution (3).
ANG 5309. Conquest of the Americas (3).
ANG 5352. Peoples and Cultures of Africa (3).
ANG 5426. Kinship and Social Organization (3).
ANG 5471. Technology and Social Change (3).
ANG 5478. Cultural Evolution (3).
ANG 5491r. Seminar in Social Anthropology (3).
ANG 5493. Core Seminar in Culture Anthropology (3).
ANG 5511r. Seminar in Physical Anthropology (3).
ANG 5513. Core Seminar in Physical Anthropology (3).
ANG 5580. Biocultural Adaptation and Paleodemography (3).
ANG 5581. Method and Theory in Human Biology (3).
ANG 5611. Linguistic Prehistory (3).
ANG 5641. Ethnopoetics (3).
ANG 5675. Core Seminar in Linguistic Anthropology (3).
ANG 5677r. Seminar in Linguistic Anthropology (3).
ANG 5737. Medical Anthropology (3).
ANG 5824r. Anthropological Fieldwork: Archaeology (1-9).
ANG 5901. Field Methods in Cultural Anthropology (3).
ANG 5905r. Directed Individual Study (1-3). (S/U grade only.)
ANG 5906r. Directed Individual Study (1-3).
ANG 5910r. Supervised Research (1-3). (S/U grade only.)
ANG 5940r. Supervised Teaching (1-3). (S/U grade only.)
ANG 5942r. Internship in Museum Studies (3-9).
ANG 5971r. Master's Thesis (1-6). (S/U grade only.)
ANG 5976. Master's Thesis Defense (0). (S/U grade only.)
ANG 6484. Cultural Analysis (3).
ANG 6907r. Directed Independent Study (1-3).
ANG 6908r. Directed Independent Study (1-3).
ANG 6930r. Advanced Seminar in Anthropology (3).
ANG 6980r. Dissertation (1-12).
ANG 8964. Doctoral Qualifying Examination (0).
ANG 8966r. Master's Comprehensive Examination (0).
ANG 8985. Defense of Dissertation (0).
ANG 5110. Seminar in Archaeological Method and Theory (3).
ANG 5163. Regional Civilizations in Ancient Mesoamerica (3).

APPLIED POLITICS:
 see *Graduate Bulletin*

ARABIC:
 see Modern Languages and Linguistics

ARCHAEOLOGY:
 see Anthropology

Department of ART

COLLEGE OF VISUAL ARTS, THEATRE & DANCE

Web Page: <http://art.fsu.edu/>

Chair: Carolyn Henne; **Professors:** Garcia-Roig, Hanessian, Henne, Lindbloom, Messersmith, Stewart, Williams; **Associate Professors:** Mann, Roberson, Rutkovsky; **Assistant Professors:** Baade, Bookwalter, Duarte, Mundy, Rushin; **Assistant in Art:** Curry; **Associate in Art:** Stagg; **Professors Emeriti:** Bell, Blakely, Burggraff, Fichter, Hartwell, Rubini

The Department of Art offers diverse opportunities for creative development and expression, provides instruction in the skills necessary for artistic creation, and guides students to an understanding of contemporary issues in the visual arts in an academically challenging environment. The department is committed to excellence in all programs and strives to combine curricular flexibility and a rigorous mix of experiences with opportunities for serious, focused study in art and digital media. The department benefits from the Museum of Fine Arts (MoFA) for student and faculty exhibitions. Additionally, the department serves as a resource to the rest of the University, providing exhibitions, visiting artist lectures, and foundation courses for related programs.

The Department of Art offers an undergraduate degree program leading to the Bachelor of Arts (BA) in studio art and a limited access Bachelor of Fine Arts (BFA) degree program in studio art. In the Master of Fine Arts (MFA) degree program, graduates may pursue studies in either a studio or digital media area. Course selection encompasses history, theory, and practice. Studies may include ceramics, electronic media, drawing, installation, painting, photography, printmaking, and sculpture. Depending upon personal development, graduate students may choose to work in a variety of media or to concentrate in an area of interest. Each degree program mandates specific entry requirements, a certain sequence of courses, and graduation requirements. Information on each program beyond that explained in this *General Bulletin* is available through the Department of Art academic adviser.

Students entering the department should visit the department's Web site at <http://art.fsu.edu/> for specific details regarding major requirements.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors satisfy this requirement by earning a grade of "C-" or higher in ART 1602C.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to the upper-division program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.ftvc.org/ftvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

Studio/Fine Art

- ART X201 or ART XXXX (2D)
- ART X202 or ART X203 or ART XXXX (Design II, 3D)
- ART X300
- ART X301 or ART X330 (Figure drawing) or ART X205 (Color, color composition) or ART X310 (Intermediate drawing) or ART X305 (Observational)
- ARH X050
- ARH X051
- ART XXXX: one course for six credit hours

Note: All courses except ARH X050 and X051 require a "C" or higher.

Undergraduate Programs

Admission and Readmission

Students desiring to enter the department should visit the department's Web site at <http://art.fsu.edu/pages/programs/undergraduate/> for specific details regarding major requirements.

Students who apply for readmission to the department must meet the studio art degree requirements listed in the *General Bulletin* that is current at the time of readmission.

Academic Performance and Retention

The Department of Art reserves the right to discontinue enrollment of art major students at any time if satisfactory academic progress is not being made. Students who have accumulated three unsatisfactory grades (U, F, D-, D, D+) in art courses taken for college credit at Florida State University or elsewhere will not be permitted to continue, be readmitted, or graduate with a major in studio art. Courses in which a grade below the minimum is received may only be repeated once. Repeated courses designated as non-repeatable (such as foundations courses) will not be counted toward overall credit hours per University requirements. BA students must maintain a minimum GPA per University requirements. BFA students must maintain a minimum cumulative GPA of 2.5 and a GPA of 3.0 in studio art classes. If a BA/BFA student's GPA falls below the minimum, s/he is placed on probation for the following semester. If the student's grade or GPA remains below the minimum standards by the end of the probationary semester, s/he is dismissed from the Department of Art. The Department of Art retains the right to refuse admission or terminate enrollment at any time if a student fails to maintain the standards of the program.

The Foundations Program

The Department of Art requires that students receive a sound foundation in basic visualization and conceptualization skills and in the fundamentals of studio theory and practice. To this end, students must complete a foundations program before taking other art courses. The program consists of a sequence of basic drawing, design, art theory, and imaging courses. Students are encouraged to complete their foundations-level courses by the end of the freshman year. Entering students should contact the department for specific details regarding foundations requirements or visit the department's Web site at <http://art.fsu.edu/pages/programs/undergraduate/>.

Mission

The Art Foundations Program provides beginning art students with the fundamental skills, knowledge, and experiences essential to their further development as visual arts professionals.

Philosophy

In the Foundations Program, students are encouraged to expand their technical skills, develop their critical judgment, explore interdisciplinary connections, refine their personal goals, and increase their understanding of contemporary art and design. Inventive concepts are used to fuel development of compelling composition and constructions. The curriculum provides the basis on which the BA and BFA programs are built in the Department of Art.

Note: Students are required to complete state of Florida Common Program Prerequisites as listed above.

Required Foundations Courses

(Foundation for all art majors)

The following list of classes must be taken to complete the required foundations program.

- | | |
|-----------|---|
| ART 1000 | Success Strategies (1) |
| ART 1201C | Two-Dimensional Foundations (3) |
| ART 1203C | Three-Dimensional Foundations (3) |
| ART 1300C | Drawing Foundations (3) |
| ART 1602C | Digital Foundations (3) |
| ART 2204C | Contemporary Art and Design Foundations (3) |

The Bachelor of Arts (BA) in Studio Art

The Bachelor of Arts (BA) in studio art is a fundamental liberal arts program totaling one hundred twenty semester hours. Requirements include: liberal studies, thirty-six semester hours; completion of the foundations program, sixteen semester hours; art history, nine semester hours; additional studio, twenty-one semester hours; the successful completion of a foreign language course through the intermediate level; and nine semester hours of additional humanities. Within the twenty-one semester hour studio requirement, the BA student is required to complete one focus area. For specific details, including all focus area templates, please visit <http://art.fsu.edu/undergraduate/BA/>.

Bachelor of Fine Arts (BFA) Admission Application

Upon completion of the sixteen semester hours in the foundations program, application for the Bachelor of Fine Arts (BFA) is by portfolio review by the faculty. Admission to the program is highly selective. Students are required to have a "C–" or above in all foundation requirements. The admission process includes a review of the student's portfolio by faculty members who may recommend that the work be submitted to the entire faculty for consideration. Students are advised to apply to the BFA program after completing sixteen hours in the foundations program and prior to completing ninety credit hours.

The Bachelor of Fine Arts (BFA) in Studio Art

The Bachelor of Fine Arts (BFA) in studio art is a limited access, one hundred twenty semester-hour program. It differs from the BA degree in that it provides the graduate with a more intensive background in professional skills and theoretical knowledge. The BFA degree seeks to develop in students an informed personal vision, a high level of competence in technique, and the ability to make sound artistic decisions. It is a proficiency-based program characterized by continuous assessment. Upon completion of the sixteen semester hours in the foundations program, application for the BFA degree is by faculty portfolio. The process includes an individual review of the student's portfolio by faculty members who may recommend that the work be submitted to the entire faculty for consideration.

In addition to the thirty-six semester hours of liberal studies, coursework includes sixteen semester hours of foundations, fifty-one semester hours of studio art courses, and twelve semester hours of art history. An important aspect of the program is that students are taught to make their own decisions with regard to media selection or concentration. Within the fifty-one semester hour studio requirement, the BFA student is required to complete one focus area and a second focus area is recommended. The BFA student must also complete the Thesis Project and Exhibition Practicum in the final semester. Students admitted to the BFA program are exempt from the language requirement and they must maintain a minimum cumulative GPA of 2.5 and a GPA of 3.0 in art classes. They are required to fulfill the additional requirements and responsibilities of this program including attending and satisfactorily performing in all BFA reviews, culminating in the advancement review and graduation exhibition. The BFA adviser can provide additional guidance regarding entrance and specific degree requirements. For specific details, including all focus templates, please visit <http://art.fsu.edu/undergraduate/BFA-in-studio-art>.

Accepted students will have the opportunity to request personal studio space in the BFA Warehouse, where they can work and exhibit in a public gallery space.

Graduate Program

The Master of Fine Arts (MFA)

The Master of Fine Arts (MFA) in studio art is a residency program with a minimum requirement of sixty semester hours at the graduate level. In addition to University admission requirements, the department requires that all applicants submit a portfolio of slides or original work for review. The program includes a minimum of thirty-two semester hours in studio art, eleven semester hours of electives within or outside the department, a minimum of three courses (nine semester hours) in art history at the graduate level, and a minimum of eight semester hours toward preparation of the graduate exhibition and thesis.

For information regarding the MFA degree, please contact the Department of Art academic adviser and refer to the *Graduate Bulletin*.

Student Safety

Students in each course will be instructed in safe practice with both tools and materials and will be responsible for following safety regulations.

Definition of Prefixes

ARE—Art Education

ARH—Art History

ART—Art

DIG—Digital Media

GRA—Graphic Arts

PGY—Photography

Undergraduate Courses

Correlating Courses

ARH 2630C. Survey in African-American Art (3). This course surveys special topics in African-American art and aesthetics. Students explore power dynamics, social protest, artistic accommodation, criticism, perception, content, and motivation as historical and contemporary influences on and in African-American art.

PGY 2100C. Photography for Non-Art Majors (3). This course is an introduction to camera operation and image making, with discussion of contemporary and historical work. Emphasis on 35mm slide projects rather than printing techniques. (This course may be offered as part of FSU International Programs curriculum.)

Studio Courses

ART 1000. Success Strategies in Art and Design (1). (S/U grade only.) This course provides an orientation designed to increase first-year student success, introduce departmental concentrations, and explore career possibilities.

ART 1201C. Two-Dimensional Foundations (3). This course provides experience in conceptualizing, creating, and critiquing two-dimensional compositions using the elements and principles of design.

ART 1203. Three-Dimensional Foundations (3). This course provides experience in designing and constructing expressive three-dimensional forms using a variety of materials and methods.

ART 1300C. Drawing Foundations (3). This course includes creative expression and communication using a variety of black and white media.

ART 1602C. Digital Foundations (3). This course offers an introduction to the theory and practice of digital imaging and the basics of time-based art and design.

ART 2003C. Survey of Studio Art Practices (3). This course provides an introduction to the themes and creative processes that propel contemporary art and design. The course studies a wide range of media and methods used by visual artists and designers in creating images, objects, and experiences. Offered to all majors.

ART 2204C. Contemporary Art and Design Foundations (3). This course is an investigation of the creative processes and critical thinking that propel contemporary art and design.

ART 2205C. Color Theory Foundations (3). This course offers experiments in color perception and in the uses of color in visual communication and expression.

ART 2301C. Drawing II (3). Prerequisites: ART 1201C and ART 1300C. This course builds on the technical and conceptual skills learned in Drawing I. Artistic expression and communication through drawing in both black and white and color media.

ART 2330C. Figure Drawing Foundations (3). Prerequisite: ART 1300C. This course explores the anatomical and conceptual complexities of the human form.

ART 2400C. Introduction to Printmaking (3). Prerequisites: ART 1201C and ART 1300C. This course is an introduction to relief printing in wood block, linoleum block, and collograph.

ART 2430C. Fundamentals of Printmaking: Silkscreen (3). Prerequisites: ART 1201C and ART 1300C. This course is an introduction to the basic techniques of serigraphy using non-toxic processes.

ART 2441C. Fundamentals of Printmaking: Etching (3). Prerequisites: ART 1201C and ART 1300C. This course is an introduction to intaglio printing with line etch, aquatint, and softground using non-toxic processes.

ART 2500C. Beginning Painting (3). Prerequisites: ART 1201C and ART 1300C. This course is an introduction to personal expression in painting medium; emphasizes color, composition, and painting techniques through historical examples and technical demonstrations.

ART 2600. Introduction to Digital Imaging (3). Prerequisites: ART 1201C and ART 1300C. This course includes beginning training in digital arts and graphic design.

ART 2607. Digital Color Theory and Management (3). Prerequisite: ART 1602C. This course includes digital experiments in color perception combined with uses of color in visual communication and expression.

ART 2701C. Sculpture I (3). Prerequisites: ART 1201C, ART 1203, and ART 1300C. This course is an introduction to basic sculptural processes of fabrication, carving, modeling, and casting. Emphasis on developing ideas through analytical responses to assignments.

ART 2752Cr. Wheel Throwing (3). Prerequisite: ART 1203. This course is the first in which the student learns to throw on the potter's wheel. From the basic cylinder, the student learns to form a pitcher, covered jar, and other functional shapes. Some alteration of thrown forms is also covered. Experience with clay and glazing is helpful but not required. This course may be repeated to a maximum of nine semester hours, with requirements increasing in difficulty each time.

ART 2893r. Contemporary Art Seminar (1). (S/U grade only.) This course, conducted by studio faculty, is a lecture and discussion course. It provides students with insight into the current work by resident faculty and visiting artists. May be repeated to a maximum of three semester hours.

ART 3333C. Figure Drawing II (3). Prerequisites: ART 1300C and ART 2330C. This course explores the anatomical, conceptual, and expressive complexities of the human form.

ART 3380C. Experimental Drawing (3). Prerequisites: ART 1300C, ART 2301C and ART 2330C. This course explores a variety of approaches to drawing using a wide range of media, materials, and strategies.

ART 3420C. Fundamentals of Printmaking: Lithography (3). Prerequisites: ART 1201C, ART 1203, and ART 1300C. This course is an introduction to the basic lithographic techniques of graining, drawing, etching, and printing.

ART 3522. Intermediate Painting (3). Prerequisite: ART 2500C. This intensive studio course offers painting as a means of investigating content and concepts. The emphasis is on developing ideas while refining techniques of handling paint.

ART 3542C. Aqueous Painting (3). Prerequisite: ART 2500C. This course is an investigation of acrylic, watercolor, gouache, and flash processes and techniques. A very intense study that requires exploration of watercolor to its fullest potential.

ART 3560r. Figure Painting (3-9). Prerequisites: ART 2330C and ART 2500C. This course uses the nude figure as the focus of study. The emphasis shifts towards the development of more personal expressions and personal development in terms of painting style and technique. May be repeated to a maximum of nine semester hours.

ART 3561. Experimental Painting (3). Prerequisites: ART 2500C and ART 3522. This course is an investigation of non-traditional painting materials and approaches in the context of "hybridization." Over the course of the semester, several topics in the use of new technologies of production are covered.

ART 3590r. Painting Materials and Techniques (3-6). Prerequisites: ART 2500C and ART 3522. This course explores basic principles of the layered painting techniques that developed and flourished in the 15th through the 20th centuries and examines how varying approaches to illusion, form, color, and content are intrinsic to the expressive aims of painting. May be repeated to a maximum of six semester hours.

ART 3594r. Contemporary Media Approaches (3-6). Prerequisites: ART 2500C and ART 3522. This course explores one very broad class of materials that includes but is not limited to acrylic, watercolor, gouache, and flash as well as a range of alternative substrates and tools, both digital and found. May be repeated to a maximum of six semester hours.

ART 3710C. Sculpture II (3). Prerequisite: ART 2701C. This course allows continued experience in more complex three-dimensional techniques; emphasis on individual projects and conceptual approach.

ART 3764C. Beginning Ceramics (3). Prerequisite: ART 1203. This course covers hand-building processes and fundamental glazing techniques. Emphasis is on the development of a high degree of technical proficiency and a keen sense of form in ceramic mediums.

ART 3930r. Special Topics in Art (1-3). (S/U grade only.) This course covers faculty developed topics of importance to students' interests and needs. May be repeated to a maximum of three semester hours.

ART 4312C. Drawing III (3). Prerequisite: ART 2301C. This course focuses on creative expression and communication through a variety of drawing tools, media, and processes.

ART 4334C. Figure Drawing III (3). Prerequisite: ART 3333C. This course offers extensive development of figurative imagery, concepts, and presentation strategies in support of personal aesthetic development.

ART 4382C. Advanced Experimental Drawing (3). Prerequisite: ART 3380C. This course offers an advanced exploration of drawing as research, concept, communication, and collaboration.

ART 4520r. Advanced Painting (3-9). Prerequisites: ART 2500C and ART 3522. This course provides an advanced undergraduate studio experience, where students direct their semester projects. This course is designed for students in the BFA program with a concentration in 2-D art. Each student is provided with opportunities to expand their understanding, production, and quality of their work through critique, group discussion, lectures, and presentations. May be repeated to a maximum of nine semester hours.

ART 4762. Ceramics II: Wheel As Tool (3). Prerequisites: ART 1000, ART 1201C, ART 1203C, ART 1300C, ART 1602C, ART 2204C, ART 4922. This course includes development of ceramic techniques, concepts, and presentation strategies in support of personal aesthetic development using a potter's wheel.

ART 4800. Criticism Seminar (3). This course covers aspects of contemporary art scene, galleries, and markets. Stress on developing portfolio/resume, critical attitude, and skills necessary for presenting work.

ART 4905r. Directed Individual Study (3-9). May be repeated to a maximum of nine semester hours.

ART 4943r. Internship in Creative Art (1-12). (S/U grade only.) Prerequisites: Sixteen credits completed in Foundations and "B" average in all related courses. This course facilitates internships in a variety of work situations. Must be approved by department chair. Preference given to seniors. May be repeated to a maximum of twelve semester hours.

ART 4970. BFA Thesis Project and Exhibition (3). Pre- or corequisites: This course is taken in the student's final semester; therefore, all degree requirements are pre- or corequisites. Any remaining art courses for the degree must be taken during the semester this course is taken. This course is the capstone course for all BFA students in the Department of Art. Students develop and execute a capstone thesis project to be exhibited publicly. Additionally, the students organize an artist's talk to be delivered to an audience.

ART 4981r. Honors Work (3). May be repeated to a maximum of twelve semester hours.

DIG 3025. Design History and Theory (3). Prerequisites: ART 1201C, ART 1203, ART 1300C, ART 1602C, and ART 2003C or ART 2204C. This course examines the historical development of design styles and techniques and their influences on contemporary culture.

DIG 3118. Digital Graphic Design (3). This course is designed for any student who is interested in learning how to create and edit well-designed digital graphics for professional use. Topics include skills related to developing vector and pixel based graphics for print and Web using commercial-grade graphics software as well as fundamental 2-D design principles. Gauged for beginners who are computer competent.

GRA 2190C. Graphic Design I/Introduction (3). Prerequisites: ART 1201C, ART 1300C, and ART 1602C. This course is a continuation of the basic concepts introduced in foundations. Exploratory design problems include iconography, signs and symbols, and two-dimensional and three-dimensional compositions. These problems extend the methodology and conceptualizing/problem-solving skills of design.

GRA 3112C. Graphic Design II/Typography (3). Prerequisites: ART 1201C, ART 1300C, and ART 1602C. This course introduces students to typography and how type works as pure design creating form, value, direction, etc., as letter forms or marks, as well as on a communication level as a message carrier.

GRA 3193C. Graphic Design III/Production (3). Prerequisites: ART 1000, ART 1201C, ART 1203, ART 1300C, ART 1602C, and ART 2003C or ART 2204C. This course explores the design process by solving specific design problems in video and sound, going from conceptualization to refinement and final implementation.

PGY 2401C. Photography I (3). Prerequisites: ART 1201C, ART 1203, ART 1300C, ART 1602C, and ART 2003C or ART 2204C. This course offers a study of photography as a creative means of expression. Topics include 35mm technology and fine black-and-white printmaking.

PGY 2941C. Digital and Photographic Imaging (3). Prerequisites: ART 1201C and ART 1602C. This course introduces students to lens-formed image production through both liquid (traditional darkroom) and dry processes (digital). It includes image analysis within both critical and historical frameworks.

PGY 3410C. Photography II (3). Prerequisite: PGY 2401C. This course explores photography as a fine art. Students develop a series of portfolios of images based on their personal vision and understanding of the medium.

Media Workshops

Note: The media workshops allow students to pursue intensive technical studies in one specific medium under the appropriate instructor. Workshops serve as an extension of intermediate courses in corresponding media.

ART 4921Cr. Media Workshop: Painting/Drawing (3). Prerequisite: ART 2500C. This course consists of independent studies under painting instructors; emphasis on competence in medium and development of individual solutions to problems. May be repeated to a maximum of twelve semester hours.

ART 4922Cr. Media Workshop: Ceramics (3). Prerequisites: ART 1203 and ART 3764C. This course involves intensive studies in sculpture. May be repeated to a maximum of twelve semester hours.

ART 4923Cr. Media Workshop: Printmaking (3). Prerequisite: ART 2400C or ART 2430C. This course covers advanced techniques of silkscreen, relief printing, etching, and lithography, as well as photo-silkscreen, relief printing, and papermaking, depending on appropriate instructor. May be repeated to a maximum of twelve semester hours.

ART 4924Cr. Media Workshop: Photography (3). Prerequisite: PGY 2401C. This course covers various areas of photographic study, including nonsilver and advanced silver printing techniques, offset lithography, and conceptual approaches to image making. May be repeated to a maximum of twelve semester hours.

ART 4925Cr. Media Workshop: Digital Media (3). Prerequisites: ART 1000, ART 1201C, ART 1203, ART 1300C, ART 1602C, and ART 2203C or ART 2204C. This course is an intensive study in intermediate graphic design. Course topics may include issues in word and image, typography, or image and production techniques. May be repeated to a maximum of twelve semester hours.

ART 4926Cr. Media Workshop: Electronic Media (3). This course covers electronic imaging, video, computer graphics, animation. May be repeated to a maximum of twelve semester hours.

Advanced Workshops

Note: The advanced workshops continue the intensive level of study of the media workshops while providing students with more flexibility. Under this workshop system, a student may work with any instructor, regardless of media affiliation, in any area of study. Instructors are designated by section number. Each course may be repeated to a maximum of twenty-seven semester hours. Prerequisites for all advanced workshops include the following foundation courses: ART 1000, ART 1201C, ART 1203, ART 1300C, ART 1602C, and ART 2003C or ART 2204C. Students should have completed one or more area-specific intermediate level class prior to taking advanced workshops in that area.

ART 4928Cr. Advanced Workshop (3). Prerequisites: All foundations courses. This tutorial course is available only to BFA and BA students. May be repeated to a maximum of twenty-seven semester hours.

ART 4928Cr. Advanced Workshop: Animation (3).

ART 4928Cr. Advanced Workshop: BFA All Media (3).

ART 4928Cr. Advanced Workshop: Ceramics (3).

ART 4928Cr. Advanced Workshop: Painting (3).

ART 4928Cr. Advanced Workshop: Photography (3).

ART 4928Cr. Advanced Workshop: Printmaking (3).

ART 4928Cr. Advanced Workshop: Print Design (3).

ART 4928Cr. Advanced Workshop: Sculpture (3).

ART 4828Cr. Advanced Workshop: Web Design (3).

ART 4929Cr. Advanced Workshop (3). Prerequisites: All foundations courses. This tutorial course is available only to BFA and BA students. May be repeated to a maximum of twenty-seven semester hours.

ART 4929Cr. Advanced Workshop: 3-D Animation (3).

ART 4929Cr. Advanced Workshop: Animation (3).

ART 4929Cr. Advanced Workshop: Ceramics (3).

ART 4929Cr. Advanced Workshop: Digital Cinema (3).

ART 4929Cr. Advanced Workshop: Painting (3).

ART 4929Cr. Advanced Workshop: Photography (3).

ART 4929Cr. Advanced Workshop: Printmaking (3).

ART 4929Cr. Advanced Workshop: Print Design (3).

ART 4929Cr. Advanced Workshop: Sculpture (3).

ART 4929Cr. Advanced Workshop: Web Design (3).

ART 4930Cr. Advanced Workshop (3). This course explores critical issues in contemporary art. Course varies each semester to cover topics of critical significance in twentieth-century contemporary art. This is a seminar course open only to BFA students. May be repeated for a maximum of twenty-seven semester hours.

ART 4931r. Instruction in Advanced Technical Problems (3-6). May be repeated to a maximum of six semester hours.

Art Related Courses

Note: Some University courses are designated art related and may be accepted toward the BFA degree with written approval from the director of the BFA program and the chair of the department. Students who wish to take art related courses that significantly contribute to their media focus should contact the department regarding requirements. Requirements are currently being reviewed.

Graduate Courses

ARE 5387. Teaching College Art (3).

ART 5898. Art, Technology, and Critical Theory (3).

Graduate Workshops

ART 5410. Graduate Printmaking (3).

ART 5790. Graduate Ceramics (3).

ART 5818r. Graduate Painting and Drawing (3-18).

ART 5927Cr. Graduate Workshop (1-4).

ART 5928Cr. Graduate Workshop (1-6).

ART 5929Cr. Graduate Workshop (4).

ART 5940r. Supervised Teaching (1-3). (S/U grade only.)

ART 5955. Digital Portfolio (3).

ART 5972r. Graduate Show and Thesis (1-8). (S/U grade only.)

PGY 5930. Graduate Photography (3).

Department of ART EDUCATION

COLLEGE OF VISUAL ARTS, THEATRE, AND DANCE

Web Page: <http://arted.fsu.edu/>

Chair: David E. Gussak; **Professors:** Anderson, McRorie, Rosal, Villeneuve;

Associate Professors: Gussak, Suominen Guyas; **Assistant Professors:** Broome, Cuyas

Note: The undergraduate Art Education degree is no longer offered. The department is still in the process of deleting the undergraduate courses. The department offers a five-year BA in Art/MS in Art Education combined degree program to prepare students for a career as an art teacher. This program enables undergraduate students who receive a bachelor's degree, with one additional year of coursework from the department of art education, to fulfill teacher certification requirements. Please contact the Department of Art Education for the requirements for this program.

The primary mission of the program is to prepare certified art teachers for public and private school service. A pre-art therapy option is offered in conjunction with certification. Students have the opportunity to participate in the University's Florence, London, or other international programs as part of their course of studies prior to their junior year. Extensive in-school observation and participation are required.

The Department of Art Education's paradigm program is art for life. The department focuses on authentic, socially centralized teacher preparation, emphasizing studio art, critical inquiry into art and visual culture, appropriate technologies, and creative activity. Our goal is to prepare candidates who are well prepared for their roles as art educators in real-world communities.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. EDF X005
2. EDG X085

Note: In addition to EDG X085, a minimum of six credit hours with an international or diversity focus is required. Eligible courses will be determined by the community college or university where the student is currently earning the Associate in Arts or baccalaureate degree. Foreign language courses may be used to meet this requirement.

3. EME X040
4. ART X300
5. ART X201 (Design I, 2D)
6. ART X301 or ART X330 (Figure drawing) or ART X205 (Color, color composition) or ART X310 (Intermediate drawing) or ART X305 (Observational drawing, perceptual drawing)
7. ART X202 or ART X203 (Design II, 3D)
8. ARH X050
9. ARH X051

Requirements for a Major in Art Education

Note: Currently, the faculty is reviewing major requirements. Students interested in a major in art education should contact the department for the most current requirements.

Admission to the four-year program in art education and to student teaching leading to the baccalaureate degree requires a 2.5 overall grade point average (GPA) and a 3.0 in art courses. Twenty-one semester hours in art and/or

art history must be completed before entering the core art education program. Also, the student must take and pass the General Knowledge section of the FTCE prior to entering the core program in art education. Each student must also be admitted to the teacher education program in the College of Education by the end of the second semester of the art education core. A GPA of 3.0 in courses in the upper-level program is a prerequisite for student teaching (ARE 4940). All professional education coursework must also be completed prior to student teaching.

The core program in teacher certification includes coursework in: theory and practice I and II, aesthetics of art and visual culture, human development and learning in art, art with special populations, student teaching portfolio, and student teaching. In addition, students must take both a specified reading course and a specified ESOL course in the College of Education. Computer literacy is a state requirement for teaching, which may be satisfied by taking a computer graphics course in the department. Additional courses in women's studies, museum education, and special topics courses may be offered to fulfill program requirements. Admission to art education is in the junior year following an advisement appointment Spring semester of the sophomore year. The degree most commonly awarded is the Bachelor of Science (BS) with certification in art, grades K–12, although a Bachelor of Arts (BA) may be earned with the addition of a foreign language. The pre-art therapy option requires psychology coursework beyond that described above. The required semester hours may be chosen from courses determined in consultation with an adviser. No minor is offered in art education.

Students may elect the Community Service Track, which is designed for the student who is interested in community service and the arts including museums, art centers, or other arts agencies. The Community Service Track requires that the student take all required courses for certification with the exception of Student Teaching. In lieu of student teaching, the student conducts a full-time internship in a community arts organization. Unlike the Art Education Certification Program and the Pre-Art Therapy Track, students in the Community Services Track will not be certified to teach in a public school. Service learning hours can be awarded for the Community Service Track internship.

Arts and Community Practice Certificate Program

The certificate program in the arts and community practice is designed for undergraduate and graduate students who wish to develop a focused concentration on the application of the arts to community development. This is inclusive of groups and families and addresses all stages of human development. Particular attention will be given to prevention, enrichment, and response to social concerns.

Program requirements are based on the integration of the theoretical and practical aspects of dance, art education/therapy, and community-based generalist/clinical social work. Requirements include coursework in art education/therapy, dance, and social work totaling at least twelve semester hours with at least three semester hours taken from each program in certificate-approved courses (see department). Students must earn a "B" average in all courses taken for the certificate. An additional requirement is the completion of a major paper or project linking theory and practice. The program of study must be approved by the department.

Students in the BS or BA program in art education must apply through the department. Students must have a minimum 3.0 GPA to be accepted into the certificate program.

Definition of Prefix

ARE—Art Education

Undergraduate Courses

ARE 3313C. Art in the Elementary Schools (3). This course is a study of significant literature and research in the field; laboratory investigation of materials, ideas, and methods currently used in elementary schools. On-site clinical experiences required.

ARE 4042. Theory and Practice I (3). Prerequisite: Admission to the Art Education Teacher Certification program. Corequisite: ARE 4144. This course includes the theoretical, historical, philosophical, and sociological underpinnings for the development of curriculum for and the practice of art education in both primary and secondary schools. Observation in the public schools is required.

ARE 4043. Theory and Practice II (3). Prerequisites: ARE 4042 and ARE 4144. Corequisite: ARE 4550C. This course develops an understanding of the concepts needed for teaching studio, art history, art criticism, and aesthetics, and develops the skills for creating curriculum in these areas for both elementary and secondary schools. Observation in the public schools is required.

ARE 4144. Human Development and Learning in Art (3). Prerequisite: Admission to the Art Education Teacher Certification program. Corequisite: ARE 4042. This course provides a theoretical foundation for understanding what children know and learn through artistic inquiry and expression. The course emphasizes practical application of this knowledge to curriculum development and lesson planning. Observation in the public schools is required.

ARE 4294. Art Museum Education (3). Prerequisite: ARE 4930. This course builds on the base established in the prerequisite course ARE 4930, Museum Education. This course addresses education in the art museum context.

ARE 4455. Computer Graphics in Art Education (3). Prerequisite: Admission into the Art Education Teacher Certification program. This course is an introduction to computer functions for preservice art teachers. The primary emphases are on the development of visual technological literacy through practice and adaptation of computer processes, including the use of graphic software and Web site design for teaching and learning in art.

ARE 4550C. Art Therapy/Special Populations (3). This course explores definitions of art therapy, the development of the discipline, the exploration of special populations, human relations, and the related concepts in art education and art therapy.

ARE 4905r. Directed Individual Study (1–3). May be repeated to a maximum of nine semester hours.

ARE 4930r. Special Topics in Art and Education (3). This course varies from term to term in response to new developments in art education. May be repeated to a maximum of six semester hours as topics vary.

ARE 4931. Computer Graphic Design in Education and Art (3). This course is an introduction to computer functions. Emphasis is on visual literacy through practice and adaptation of computer processes to educational and art purposes.

ARE 4940. Student Teaching in Art (9). (S/U grade only.) This course facilitates clinical experience teaching art in a public school assignment.

ARE 4950. Portfolio in Art Education (3). Prerequisites: ARE 4042, ARE 4043, ARE 4144, and ARE 4550C. Corequisite: ARE 4940. This course, taken in conjunction with student teaching, documents student progress in mastering the 12 Accomplished Practices by preparing professional portfolios for both the elementary and secondary art teaching levels.

Graduate Courses

- ARE 5046.** Art Education Theory and Practice I (3).
- ARE 5047.** Art Education Theory and Practice II (6).
- ARE 5145.** Human Development and Learning in Art (3).
- ARE 5245.** Curriculum and Programs (3).
- ARE 5246.** Contemporary and Historical Issues in Art Education (3).
- ARE 5253.** Art in Community Service (3).
- ARE 5258.** Museum Education (3).
- ARE 5262.** Administration of Art Programs (3).
- ARE 5295.** Art Museum Education (3).
- ARE 5304.** Art in Childhood Education (3).
- ARE 5358.** Art for Life (3).
- ARE 5382.** Introduction to Counseling for Art Therapists (3).
- ARE 5458.** Computer Graphics in Art Education (3).
- ARE 5460.** Therapeutic Use of Art Materials (3).
- ARE 5551.** Art Therapy and Group Counseling (3).
- ARE 5552.** Assessment for the Practice of Art Therapy (3).
- ARE 5555.** Advanced Art Therapy (3).
- ARE 5556.** Using Personal Symbols in Therapy (3).
- ARE 5557.** Interpretation of Symbols in Art Therapy (3).
- ARE 5640.** Ethics and Professional Issues (3).
- ARE 5641.** Critical Analysis (3).
- ARE 5649.** Theories of Art Therapy (3).
- ARE 5665.** Managing the Arts Organization (3).
- ARE 5745.** Research Survey (3).
- ARE 5865.** Arts Administration in the Public Sector (3).
- ARE 5906r.** Directed Individual Study (1–3).
- ARE 5910r.** Supervised Research (1–5). (S/U grade only.)
- ARE 5930r.** Special Topics in Art Education (1–3).
- ARE 5934r.** Special Topics: Art Therapy Issues (1–3).
- ARE 5935r.** Seminar: Current and Comparative Studies in Art Education (3).
- ARE 5940.** Supervised Teaching (9). (S/U grade only.)
- ARE 5940L.** Field Studies (1–3). (S/U grade only.)
- ARE 5941.** Practicum I (3).
- ARE 5942.** Practicum II (3).
- ARE 5943.** Practicum III (3).
- ARE 5944r.** Field Laboratory Internship (1–9). (S/U grade only.)
- ARE 5950.** Seminar and Professional Practices in Art Education (3).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Department of ART HISTORY

COLLEGE OF VISUAL ARTS, THEATRE AND DANCE

Web Page: <http://arthistory.fsu.edu/>

Chair: Adam Jolles; **Professors:** Neuman, Weingarden; **Associate Professors:** Bearor, Freiberg, Jolles, Leitch; **Assistant Professors:** Carrasco, Jones; **Curator/Associate In:** Hudson; **Professors Emeriti:** Bosch (deceased), Bucher (deceased), Draper, Mason (deceased), Rose, Teilhet-Fisk (deceased); **Courtesy Professors:** Brilliant, de Grummond, Gerson, Lee, McLendon, Nasgaard, Palladino-Craig, Pfaff, Pullen

The Department of Art History offers programs leading to the Bachelor of Arts (BA), Master of Arts (MA), and the Doctor of Philosophy (PhD) in the history and criticism of art.

The faculty includes specialists in Islamic art, Pre-Columbian art, Spanish Colonial and Caribbean art, Early Medieval and Byzantine art, Romanesque and Gothic art, Italian and Northern European Renaissance art and architecture, Baroque and 18th-century art and architecture, modern architecture, 19th- and 20th-century art and criticism, American art, contemporary art and critical theory, history of photography, word-image studies, and museum studies. Members of the classics faculty trained in archaeology and art history offer courses in Aegean, Greek, Etruscan, Roman, and Egyptian art.

The Department of Art History is supported by a rich array of resources, including classrooms fully equipped for multimedia presentations and a visual resource center under the direction of a full-time curator. The resource center houses a collection of over 500,000 slides, videos, and pedagogical CDs, as well as a digital server containing over 45,000 images. Additionally, the School of Art and Design Library includes over 5,860 art-related books. The University library holdings are extensive and include a rare book and facsimile collection. The library supports many electronic resources and an excellent interlibrary loan division. The resources of the Ringling Museum Library are also available.

The **University Museum of Fine Arts** houses several permanent collections and is used for temporary exhibitions. Many of these are generated by faculty and students who have also contributed to exhibitions at the Mary Brogan Museum of Art and Science, the former Tallahassee City Museum. The University administers the **Ringling Museum** in Sarasota, with its internationally known collection of European and Asian art. Internships are available at each of the Florida State University's museums.

The **Florida State University Study Centers** in **Florence** and **London** offer a range of art history courses and opportunities for the study of art, and the Department of Art History maintains a summer program in Paris, France. Additionally, art history students use the international programs to study language and to pursue museum studies. Museum internships are available through the programs in Florence and London. Students may gain archaeological experience at the Florida State University excavation at the Etruscan site of Cetamura in Chianti and at the site in Poggio delle Civitelle at San Venanzo.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in art history satisfy this requirement by earning a grade of "C-" or higher in ARH 2814.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.fvc.org/fvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

- ART X201 (Design I, basic design) or ART X202 (Design II, 3D, methods and concepts) or ART X203 (Design II, 3D, concepts and practices) or ART X205 (Color, color and composition, color design, color theory)
- ART X300 (Drawing I, drawing foundations) or ART X301 (Drawing II) or ART X310 (Intermediate drawing)

- ARH X050
- ARH X051
- XXX XXXX: coursework in a single foreign language for nine to twelve credit hours to satisfy the foreign language competency requirement

Note: All courses except the foreign language coursework require a "C" or higher.

Major in Art History

The Bachelor of Arts (BA) program in the history and criticism of art requires a total of forty-two semester hours of which thirty-three will be in art history and nine in studio art. The foundation courses (ARH 3056 and 3057) provide a broad view of major artists and monuments from Western art history and are to be taken as early as possible. Majors are required to take an additional eight upper-level courses, two of which must be in World Arts. A seminar in art history is required for all art history majors, prior to which eighteen credit hours in art history must be completed. Only a grade of "C" or better is acceptable for courses in Art History to be credited toward the major. Students must also satisfy the University language requirement for the BA degree.

Honors in the Major

The Department of Art History offers honors in the major to those who wish to pursue an extended independent research project. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Minor in Art History

A minor in art history requires fifteen semester hours of coursework in the department. The student may choose any five art history courses in completing this requirement.

Minor in Museum Studies

A minor in museum studies requires fifteen semester hours. Of these, six semester hours are in museum studies courses, three hours are in a related elective, and the remaining six hours are taken in supervised internship. Students with a minor in museum studies may not apply for any internships toward the major in Art History.

Definition of Prefix

ARH—Art History

SPC—Speech Communication

Undergraduate Courses

ARH 2000. Art, Architecture, and Artistic Vision (3). This course focuses on a thematic approach to the understanding and appreciation of works of art.

ARH 2581. Survey of "Tribal Arts" Past and Present (3). This course studies the non-Western arts as tools for interacting with other people, or with environmental or universal forces.

ARH 2630C. Survey in African-American Art and Aesthetics (3). This course surveys special topics in African-American art and aesthetics. We will explore power dynamics, social protest, artistic accommodation, criticism, perception, content, and motivation as historical and contemporary influences on and in African-American art.

ARH 2814. Information Technology for the Art Historian (3). Prerequisite: Admission to the Art History major. This course introduces students to computer-based research, writing, and presentation tools essential in art history.

ARH 3056. History and Criticism of Art I (3). This course is an introductory survey from prehistoric through late-Medieval art history.

ARH 3057. History and Criticism of Art II (3). This course is an introductory survey from early Renaissance through modern art history including developments in American art.

ARH 3130. Survey of Greek Art and Archaeology (3). This course reviews the major accomplishments in Greek art from early times through the Hellenistic period through a survey of principal monuments, works, and archaeological evidence.

ARH 3150. Art and Archaeology of Ancient Italy (3). This course is a survey of Italian art and archaeology including early Italy, the Etruscans, and Rome with reference to the major monuments, works, and archaeological evidence.

ARH 3530. The Arts of Asia (3). This course is a general introduction to the visual arts of Asia, covering primarily India, central Asia, China, and Japan. The course is organized along thematic lines, with topics such as the ancient world, Buddhism, Chinese aesthetic theory and painting, and native and foreign currents in Japanese art.

ARH 3794. Museum Basics: History and Theory (3). This course introduces students to the history and theory of museums and museum practices, museum administration, exhibition planning, museum education, and museum careers.

ARH 3800r. Methods of Art Criticism (3). Prerequisites: ARH 3056, ARH 3057, and twelve prior credit hours in upper-level art history. This course is an undergraduate seminar in art history with changing topics. May be repeated to a maximum of twelve semester hours.

ARH 3854. The Museum Object (3). Prerequisite: ARH 3794. The course covers the philosophy and practice of acquiring, processing, preserving, displaying, and interpreting museum objects. Material culture and the museum objects are addressed from the perspective of various disciplines, such as art history, archaeology, anthropology, history, and the natural sciences. Hands-on experience is gained in designing and executing an exhibition of the students' conception.

ARH 3930r. Special Topics (1-3). May be repeated to a maximum of six semester hours.

ARH 4067. History of Modern Architecture (3). This course traces the major shifts in architectural thinking and design from the 19th to 21st centuries. While focused on European and American debates and movements, the course makes links to the architectural implications of Western territorial ambitions in the colonies such as the Indian Subcontinent, the Muslim heartland, and North Africa.

ARH 4110. Art and Archaeology of the Bronze Age in the Aegean (3). This course studies the major archaeological evidence related to the Bronze Age in Crete and Greece; the major sites, monuments, and artistic works.

ARH 4118. Archaeology of Ancient Egypt (3). This course surveys the archaeology and art of ancient Egypt from the Pre-dynastic to the Ptolemaic and Roman periods. An emphasis is placed on the art, architecture, and culture of the Old and New Kingdoms.

ARH 4120. Etruscan Art and Archaeology (3). This course is a study of Etruscan culture, art, and archaeology.

ARH 4131. Greek Art and Archaeology of the Fifth and Fourth Centuries B.C. (3). This course surveys the accomplishments of classical Greek art through an examination of the monuments, works, and archaeological evidence.

ARH 4151. Art and Archaeology of the Early Roman Empire (3). This course examines Roman art and archaeology from Augustus through the Antonines with a survey of the major artistic accomplishments and the archaeological remains.

ARH 4154. Archaeology of the Late Roman Empire (3). This course comprises a study of Roman art and archaeology from the second to sixth century CE with emphasis on important sites and monuments.

ARH 4173r. Studies in Classical Archaeology and Art (3-9). This course studies specific aspects of the archaeology and art of Greece and Italy. May be repeated to a maximum of nine semester hours.

ARH 4210. Early Christian and Byzantine Art (3). This course explores Byzantine art and architecture from the rise of Christianity in the second and third centuries to the end of the sixth century. Emphasis is placed on how imperial rulers used art to further their political and religious agendas.

ARH 4211. Early Medieval Art (3). Prerequisite: ARH 3056 or instructor permission. This course explores the development of the uses of art in the European Middle Ages, from Barbarian metal work to the acceptance of the classical tradition, to the first mature pan-European art of Romanesque architecture and sculpture. Topics of special interest include pilgrimage, imperial imagery, manuscripts, and monasteries.

ARH 4212. Late Antique and Early Christian Art (3). This course focuses on the art and architecture produced in Late Antiquity, a time of transition from the Roman and Medieval periods. Emphasis is on the processes of transmission, adoption, and adaptation of established iconographies and architectural forms from Jewish and pagan arts to serve the needs of the newly established Christian religion.

ARH 4230. Later Medieval Art (3). Prerequisite: ARH 3056 or instructor permission. This course covers what is generally called Gothic art, including the cathedrals and their sculpture built by bishops and towns, as well as the castles, sumptuous arts, and manuscripts commissioned by princes and lords. Topics of special interest include the Black Death, devotional art, civic expression, and the arts of the courts.

ARH 4304. History of Renaissance Architecture (3). Prerequisite: ARH 3057 or instructor permission. This course is a survey of 15th- and 16th-century architecture in Italy with emphasis on works by Brunelleschi, Alberti, Bramante, Michelangelo, and Palladio. Discussion centers on how the major architectural types developed and why, including: churches, city palaces, public piazzas, and country villas. Particular attention is paid to the impact of antiquity and the emergence of urban planning.

ARH 4310. Early Italian Renaissance Art: 15th Century (3). Prerequisite: ARH 3057 or instructor permission. This course examines how social and historical issues influenced the arts during the first great cultural flowering of the Renaissance in Florence, Rome, and Venice. Discussion centers on how the requirements of the patron, the vitality of local traditions, and the interaction among the arts all contributed to the creation of the new Renaissance vocabulary.

ARH 4312. Later Italian Renaissance Art: 16th Century (3). Prerequisite: ARH 3057 or instructor permission. This course examines works by the great masters of the Renaissance, including Leonardo da Vinci, Michelangelo, and Titian, against the backdrop of the social and political realities of the day. Discussion includes the rise of the artist-hero, the sources and meaning of Mannerism, and the impact of the religious controversies of the age.

ARH 4331. Northern European Renaissance Art (3). Prerequisite: ARH 3057 or instructor permission. This course focuses on developments in northern European 15th- and 16th-century art with emphasis on painting and printmaking: Flemish, French, German, and Dutch artists.

ARH 4352. Southern Baroque Art (3). Prerequisite: ARH 3057 or instructor permission. This course investigates painting, sculpture, and architecture in Italy and Spain during the 17th century, stressing the theatrical, ecstatic, and virtuoso character of works produced for royalty, the Church, and the rising middle class by such masters as Caravaggio, Bernini, and Velázquez.

ARH 4353. Northern Baroque Art (3). Prerequisite: ARH 3057 or instructor permission. This course examines the Golden Age of painting, sculpture, and architecture in France, England, and the Netherlands, showing how such figures as Rembrandt and Vermeer encoded meaning in works of detailed realism and contributed to the rise of new subjects in art, including still life, landscape, and portraiture.

ARH 4355. 18th-Century Art (3). Prerequisite: ARH 3057 or instructor permission. This course studies painting, sculpture, and architecture produced in Western Europe during the Enlightenment, with emphasis on the luxurious, sensual art of the Rococo, the rational classicism of the Palladian Revival, the new moral and philosophical image of women, and the rise of the decorative arts.

ARH 4372. Spanish Colonial Art: The Hapsburg Period, 1492/1506-1700 (3). Prerequisite: ARH 3057 or instructor permission. This course surveys the art, architecture, and visual culture of Spain's overseas colonies during the period of early exploration and Austrian Hapsburg rule in Spain (1506-1700). It examines a wide array of visual expressions, including painting, sculpture, architecture, urban space, prints, ephemera, ceramics, furniture, and clothing. In the course of this survey, the relationship between art and such issues as colonialism, race, gender, and social hierarchy are considered.

ARH 4413. Spanish Colonial Art: The Bourbon Period, 1700-1821/1898 (3). Prerequisite: ARH 3057 or instructor permission. This course surveys the art, architecture, and visual culture of Spain's overseas colonies during the period of Bourbon imperial rule (1700-1821/1898). It examines a wide array of visual expressions, including painting, sculpture, architecture, urban space, prints, ephemera, ceramics, furniture, and clothing. In the course of this survey, the relationship between art and issues such as colonialism, race, gender, and social hierarchy are considered.

ARH 4414. Modern European Art: Neoclassicism through Impressionism (3). Prerequisite: ARH 3057 or instructor permission. This course treats European art from 1780-1880, concentrating on the evolving dialogue between academic and anti-academic practices through an investigation of the relationship between theory, criticism, and techniques of representation. Topics of inquiry include: David and Neo-classicism; British landscape painting; Delacroix and French Romanticism; Courbet's Realism and Manet's Naturalism; and French Impressionism.

ARH 4450. Modern European Art: Post-Impressionism through Surrealism (3). Prerequisite: ARH 3057 or instructor permission. This course covers the development of art from 1880 to 1940. Topics of discussion include abstraction, Symbolism, Surrealism, as well as the relationship between the techniques and forms of abstract representation and contemporary philosophical, social, scientific, and political events. The writing of artists and critics provides the basis for this inquiry.

ARH 4540. Arts of India (3). This course offers an introduction to the visual culture of South and Southeast Asia with an emphasis on the Indian Subcontinent. The course examines the role that artistic production has played in the transmission of religious beliefs and the development of cultural systems from the Indus Valley to the present day. Students are encouraged to explore the form and functions of art in a variety of media, including but not limited to architecture, urban form, sculpture, painting, and performance.

ARH 4551. Arts of China (3). This course introduces the visual arts of China, covering the Neolithic to the modern period. The framework for the course is both chronological and thematic, with special emphasis on how the Chinese have viewed themselves and the world in different periods, and how this has been expressed in their arts. Topics include ancient China, the introduction of Buddhism, aesthetic theory and painting, and masters of landscape.

ARH 4554. Arts of Japan (3). This course introduces the visual arts of Japan, covering the ancient to the modern period. The framework for the course is both chronological and thematic, with particular focus on the relationship between culture and the visual arts. Among the topics covered are ancient Japan, Japanese aesthetics, Buddhist art, the rise of the samurai, garden architecture and tea ceremony, castle decoration, and the world of ukiyo-e.

ARH 4571. Islamic Art and Architecture, 7th - 21st Centuries (3). This course surveys the art and architecture of the Islamic world from its early days in the mid-seventh century to the present day. While the concept "Islamic world" is both vague and vast, stretching from Spain to Indonesia and beyond, the course focuses on several geographic areas to explore the visual culture produced by Muslims.

ARH 4583. The Arts of Oceania, Africa and Native America (3). This course discusses, analyzes and examines the arts of people from Oceania, Africa, and Native America. It provides students with a valid framework for understanding the complexities involved with these art forms from inside and outside specific social and cultural contexts.

ARH 4620. U.S. Art: Centennial through Late Modernism (3). Prerequisites: ARH 3057 or instructor permission. This course surveys painting, sculpture, architecture, photography, and material culture from 1876 to the 1950s, reflecting regional and multicultural responses to questions of subjectivity and modernity such as "What is 'American' about our country and its art?" The course also explores how developing a national identity in this culture was a central concern during this period.

ARH 4621. U.S. Art: Colonial Era to the Centennial (3). Prerequisites: ARH 3057 or instructor permission. This course examines an emerging national identity as reflected and developed in the arts and material culture from the Colonial period to 1876 using concepts from European images of "discovery" to conceptions of national culture presented to visitors at the Philadelphia Centennial. The course content is multicultural and includes discussions of women's contributions.

ARH 4642. Art after 1940 (3). Prerequisite: ARH 3057 or instructor permission. This course covers American and European art from Abstract Expressionism to the present. The course examines the reactions against Abstract Expressionism and investigates late-modernist practices (e.g., Pop Art, Minimalism, Conceptualism, Earth Art, Performance Art). Topics discussed include contemporary artistic practices and the relationship between "modernism" and "postmodernism".

ARH 4653. Great Traditions in Mesoamerican Art and Culture (3). This course introduces the art and architecture of Mesoamerica from the rise of the Olmec (1500 BC) to the Spanish conquest of the Aztec capital of Tenochtitlan. Focus is placed on how changes in visual culture reflect larger religious and political transformations.

ARH 4675. The Art and Culture of the Maya (3). This course examines the art and culture of the Maya from approximately 350 BC to the present, focusing primarily on the Classic period (AD 250-900). This course highlights the role of art in Maya religion, politics, and ritual, addressing both the Maya conception of time and their hieroglyphic script. The class examines a range of media in which the Maya worked, including architecture, sculpture, ceramic painting, calligraphic monuments, and primary texts in translation, such as the Popol Vuh.

ARH 4710. History of Photography (3). This course surveys the history of photography from its invention in the 1830s up to the present. It addresses the historical development of the medium both topically and chronologically, focusing on photography's global reach and its diverse array of social functions. Topics include historical debates about photography's status as art; commercial and scientific applications; advertising and fashion photography; photojournalism and propaganda; the rise of amateur photography; and contemporary trends and practices. Prior experience in photography is not required.

ARH 4720. History of Graphics (3). Prerequisite: ARH 3057 or instructor permission. This course surveys artists and processes in Western printmaking from the 15th century through the 20th century.

ARH 4772. Japanese Animation (3). This course follows the history of Japanese animation from the early 20th century to the present time, with special focus on the contemporary period. The course investigates not only the richness of what is commonly referred to as *anime*, but also *anime's* various origins in Japan and abroad.

ARH 4810. Art History Methods and Media (3). Prerequisites: ARH 3056, ARH 3057, twelve prior credit hours in upper-level art history, and instructor permission. This seminar is designed for undergraduate art-history majors who plan to continue at the graduate level. The seminar introduces to art media and research methods.

ARH 4815r. Honors Work in Art History (1-6). This course requires a written thesis. May be repeated to a maximum of nine semester hours, subject to approval of faculty adviser.

ARH 4882. Visual Cultures of the African Diaspora (3). Prerequisite: ARH 3057 or instructor permission. This course engages the visual cultures of the African Diaspora with geographic attention to the contemporary nations of Cuba, Haiti, Brazil, Puerto Rico, the Bahamas, and Jamaica. After background on the visual cultures of West Africa, particularly those of Yoruba origin, we discuss the transformative impact of Atlantic World slavery and colonial institutions on African traditions. We consider the material and visual landscapes of new African ethnic formations in the Americas in relation to slavery, religious institutions, such as confraternities, ritual life, and the formation of symbolic economies. We then investigate how various religious traditions and their attendant visual cultures were remade in the post-slavery era.

ARH 4884. Walt Disney and the American Century (3). This course considers Disney and his company in relation to art, society, and politics during the twentieth century. Special attention is paid to Disney's contributions in the realms of film, architecture, and theme park. Through assigned readings and visual material such as cartoons, slides, and documentaries, the course assesses the relationship between high art and popular art and evaluates Disney's impact on the production and consumption of leisure.

ARH 4905r. Directed Individual Study (3). May be repeated to a maximum of nine semester hours; duplicate registration is allowed in the same term.

ARH 4933r. Special Topics in Art History (3). This course is an undergraduate, upper-level lecture course in art history with changing topics. May be repeated to a maximum of twelve semester hours.

ARH 4941r. Internship in Museum Studies (3-12). This course is an internship in a collaborative museum to provide students with firsthand knowledge of, and practical experience in, museums. May be repeated to a maximum of twelve semester hours, only three of which may be applied toward the major in art history. May be repeated within the same semester.

SPC 2067. Communication for Arts and Design (3). This course provides majors in the College of Visual Arts, Theatre, and Dance with a course designed to fulfill the university's oral communication requirement using examples drawn from a diverse range of artistic contexts.

Graduate Courses

- ARH 5068. History of Modern Architecture (3).
- ARH 5076. Word and Image Studies (3).
- ARH 5111. Art and Archaeology of the Bronze Age in the Aegean (3).
- ARH 5119. Archaeology of Ancient Egypt (3).
- ARH 5125. Etruscan Art and Archaeology (3).
- ARH 5140. Greek Art and Archaeology of the Fifth and Fourth Centuries B.C. (3).
- ARH 5160. Art and Archaeology of the Early Roman Empire (3).
- ARH 5174r. Studies in Classical Art and Archaeology (3).
- ARH 5220. Early Christian and Byzantine Art (3).
- ARH 5221. Early Medieval Art (3).
- ARH 5222. Medieval Illustrated Manuscripts (3).
- ARH 5223. Late Antique and Early Christian Art (3).
- ARH 5240. Later Medieval Art (3).
- ARH 5321. Early Italian Renaissance Art: 15th Century (3).
- ARH 5322. Later Italian Renaissance Art: 16th Century (3).
- ARH 5340. Northern European Renaissance Art (3).

- ARH 5360. Southern Baroque Art (3).
- ARH 5361. Northern Baroque Art (3).
- ARH 5363. 18th-Century Art (3).
- ARH 5420. Modern European Art: Neoclassicism through Impressionism (3).
- ARH 5445. Modern European Art: Post-Impressionism through Surrealism (3).
- ARH 5556. Arts of Japan (3).
- ARH 5558. Arts of China (3).
- ARH 5575. Islamic Art and Architecture, 7th - 21st Centuries (3).
- ARH 5605. Native American Arts and Architecture of the Southwest (3).
- ARH 5625. American Art before 1940 (3).
- ARH 5648. Art after 1940 (3).
- ARH 5659. Great Traditions in Mesoamerican Art and Culture (3).
- ARH 5715. History of Photography (3).
- ARH 5725. History of Graphics (3).
- ARH 5797. Seminar in Museum Studies (3).
- ARH 5799. Cultural Heritage Theory and Practice (3).
- ARH 5806r. Seminar in the History and Criticism of Art (3).
- ARH 5813. Seminar in the Methods of Art History (3).
- ARH 5838. The Museum Object (3).
- ARH 5864. Methods and Theory for the Study of World Arts (3).
- ARH 5885. Introduction to Appraising Personal Property (4).
- ARH 5886. Uniform Standards of Professional Appraisal Practice (USPAP) (4).
- ARH 5887. Walt Disney and the American Century (3).
- ARH 5907r. Directed Individual Study (1-5).
- ARH 5913r. Supervised Research (1-15). (S/U grade only.)
- ARH 5940r. Supervised Teaching (1-15). (S/U grade only.)
- ARH 5942r. Internship in Museum Studies (1-6).
- ARH 6292r. Topics in Medieval Art: Seminar (3).
- ARH 6394r. Topics in Renaissance Art: Seminar (3).
- ARH 6398r. Topics in Baroque Art: Seminar (3).
- ARH 6592r. Topics in Eastern Art: Seminar (3).
- ARH 6694r. Topics in 19th-Century Art: Seminar (3).
- ARH 6695r. Topics in 20th-Century Art: Seminar (3).
- ARH 6904r. Readings for Examinations (1-12). (S/U grade only.)
- ARH 6936. Topics in World Arts: Seminar (3).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

ARTS ADMINISTRATION, CENTER FOR see *Graduate Bulletin*

Program in ASIAN STUDIES

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY

Web Page: <http://www.coss.fsu.edu/asian/>

Director: Lee Metcalf (Social Sciences)

The Program in Asian Studies is an international area-studies program that is designed to develop a student's competence in the language, history, culture, and the contemporary political and economic setting of a particular country or cultural region. This area-studies program is focused on Asia, broadly defined as including East Asia, South Asia, and the Middle East. A major or minor in this program serves the needs of: (1) general liberal arts students who wish to learn more about these important areas of the world; (2) students who wish to pursue graduate work in these or related fields; and (3) students who seek employment in or related to Asia. The program also combines area- or country-specific courses that give students the needed cultural immersion with more general comparative courses that provide them with the necessary intellectual tools, concepts, and theories to make sense out of their particular disciplinary concentrations. Students are to select language and thematic specializations in line with their intellectual interests and career goals and design their program of studies accordingly.

In addition to the regular major in Asian studies, the program also offers a second option designed for students who want to combine linguistic, cultural, and other relevant knowledge of Asia with business skills. Students electing this option will take a significant proportion of their coursework in the College of Business. This option is intended to prepare students for a career that capitalizes on their knowledge of Asia.

The undergraduate program in Asian studies is administered through the College of Social Sciences and Public Policy. As an interdisciplinary program, no minor is required, except in the case of the Asian studies/business option, in which the business coursework constitutes a minor. Students interested in either of these degree program options should consult with the Director of Asian Studies.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in Asian studies satisfy this requirement by earning a grade of "C-" or higher in CGS 2060, CGS 2064, or CGS 2100.

Requirements

Asian Studies Major

Students majoring in the program are to construct their study program around three components: (1) a language requirement, (2) an area-specific coursework requirement, and (3) a concepts and theories tool requirement. The total hour requirements for the major are a minimum of twelve semester hours in an approved area language plus an additional thirty-six semester hours beyond the liberal studies requirements (with a grade of "C-" or better in each of the Asian studies courses. As this is an interdisciplinary program, no minor is required.

In addition to a 2.0 overall GPA, all students must meet "mapping" requirements. See <http://www.academic-guide.fsu.edu> for more information.

Language Requirement

All students are required to take twelve semester hours of coursework in a relevant area language (Chinese, Japanese, Arabic, or some other Asian language), or demonstrate proficiency at the intermediate college level. Students will be encouraged to bring their chosen language up to an effective level of proficiency in both reading and speaking by either taking additional coursework on the campus of Florida State University or by participating in a semester- or summer-abroad program in their relevant cultural area as such programs become available. These programs should be administered by, affiliated with, or approved by Florida State University. To encourage the achievement of language proficiency, language coursework hours taken beyond the twelve semester hour minimum or demonstrated intermediate college-level proficiency may be counted toward the required thirty-six semester hours for the major.

Area Specific Course Requirement

Students are to select at least twenty-four semester hours of area specific coursework from the approved area-specific courses listed further down in this document. Note that special topic area-specific courses may be approved

from time to time; for the most current list, students are encouraged to view the term-specific courses posted at their International Studies Blackboard Organization site.

Concept and Theory Course Requirement

Students are to select at least six semester hours of coursework from among the concept and theory courses listed further down in this document. Students should carefully select these courses in consultation with their academic adviser, to ensure that the courses meet any required prerequisites for the approved courses.

Asian Studies Major with a Minor in Business

This degree program combines the regular Asian Studies major with a planned series of economics and business courses. The requirements for this degree are twelve semester hours in an approved language (Chinese, Japanese, or Arabic), twenty-one semester hours in Asian studies coursework, and fifteen semester hours in multinational business courses. The Asian studies coursework is to be selected from the area specific courses. With this degree there is no concepts and theories requirement. Students are also to select between two fifteen semester hour business coursework options listed below, an international marketing/management track or an international finance track. The prerequisites for both tracks include ECO 2013 and ECO 2023, which may be taken as part of the student's basic studies requirements. In addition, students opting for the international finance track must complete ACG 2021 as a prerequisite. Students should seek advising from the Asian Studies program adviser in *211 Bellamy* about registering for business courses.

International Marketing/Management

MAN 3240	Organizational Behavior
MAN 3600	Multinational Business Operations (Prerequisites: ECO 2013, ECO 2023)
MAR 3023	Basic Marketing Concepts (Prerequisite: ECO 2023)
And 6 hours selected from:	
MAN 4401	Management of Labor and Industrial Relations (Prerequisite: MAN 3240)
MAN 4605	Cross-Cultural Management (Prerequisite: MAN 3240)
MAN 4680	Selected Topics in International Management (Valencia, Spain) (Prerequisites: ECO 2013, ECO 2023, MAN 3600)
MAN 4701	Business and Society (Prerequisite: MAN 3240)
MAR 4156	Multinational Marketing (Prerequisites: MAR 3023, MAN 3600)
Or approved substitution	

International Finance

FIN 3244	Financial Markets, Institutions, and International Finance Systems (Prerequisites: ACG 2021, ECO 2013)
FIN 3403	Financial Management of the Firm (Prerequisites: ACG 2021, ECO 2023)
MAN 3600	Multinational Business Operations (Prerequisites: ECO 2013, ECO 2023)
And 6 hours selected from:	
FIN 4424	Problems in Financial Management (Prerequisites: FIN 3244, FIN 3403)
FIN 4504	Investments (Prerequisites: FIN 3244, FIN 3403, STA 3014)
FIN 4514	Security Analysis and Portfolio Management (Prerequisite: FIN 4504)
FIN 4604	Multinational Financial Management (Prerequisites: FIN 3244, FIN 3403)
GEB 4455	Perspectives on Free Enterprise (Prerequisites: FIN 3244, FIN 3403)
Or approved substitution	

Study Abroad

Students majoring in Asian Studies are strongly encouraged to study abroad. See <https://international.fsu.edu/> for more information on the various options available through Florida State International Programs

Students should consult with the Asian Studies Director about any other study abroad programs they wish to pursue. Coursework taken in overseas locations must be approved in advance for credit toward the major.

Internship

The Asian Studies program encourages students to take advantage of internships with an area focus. Information on possible placements can be found on the *International Studies Blackboard Organization* site. All application materials, which are also available on the *International Studies Blackboard*

Organization site, must be submitted and all internships must be approved the semester before the internship takes place. See the Asian Studies program adviser in *211 Bellamy* for further information.

Honors in the Major

The Program in Asian Studies offers honors in the major to encourage talented juniors and seniors to undertake independent and original work as part of the undergraduate experience. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Second Majors

Majors in Asian Studies may pursue a second major. When students pursue a second major in the College of Social Sciences and Public Policy, they may count nine semester hours of coursework toward both majors. For a second major in the College of Arts and Sciences, only six semester hours may count toward both majors.

Asian Studies Minor

Students pursuing a minor in the program must complete eighteen semester hours of Asian studies coursework beyond the liberal studies requirement. In this case none of the broader comparative concepts and theories courses will count toward the eighteen semester hour minimum. Students may select freely from all area-specific courses.

Approved Courses

Note: Descriptions of specific courses can be found under the individual departments in which they are taught. In addition to the courses listed below, special topics courses may be approved by the program director in any particular term. These courses appear on the term course lists and are available at the *International Studies Blackboard Organization* site as well as the program office in *211 Bellamy*.

Area Specific Courses (twenty-four credit hours)

ASH 1044	Middle Eastern History and Civilization (3)
ASH 3100	History of Asia (3)
ASH 3200	History of The Ancient Near East (3)
ASH 3230	Middle East Survey (3)
ASH 4223	Modern Middle East (3)
ASH 4261	Central Asia Since the Mongols (3)
ASH 4442	History of Modern Japan (3)
ASH 4520	Traditional India (3)
ASH 4550	Modern India (3)
CPO 3034	Politics of Developing Areas (3) [with CPO 2002 as a prerequisite]
CPO 3403	Comparative Government and Politics: The Middle East (3) [with CPO 2002 as a prerequisite]
CPO 3520	Emerging Democracies in Northeast Asia: Korea, Taiwan, Japan (3) [with CPO 2002 as a prerequisite]
CPO 3541	Politics of China (3) [with CPO 2002 as a prerequisite]
CPO 3553	Politics of Japan (3) [with CPO 2002 as a prerequisite]
ECS 3200	Economics of Asia (3) [with ECO 2013 and ECO 2023 as prerequisites]
ECS 4504	Economics of the Middle East (3) [with ECO 2013 and ECO 2023 as prerequisites]
INR 4274	Studies in International Politics: The Middle East (3) [with INR 2002 as prerequisite]
ANT 4175	Archaeology of the Islamic World (3)
ANT 4363	Japanese Society and Culture (3)
ARH 3530	The Arts of Asia (3)
ARH 4540	Arts of India (3)
ARH 4551	Arts of China (3)
ARH 4554	Arts of Japan (3)
ARH 4571	Islamic Art and Architecture, 7th-21st Centuries (3)
CHI 3440	Business Chinese (3)
CHI 3501	Readings in Chinese Short Stories and Essays (3)
CHI 4503	Readings in Chinese History (3)
CHI 4930	Special Topics (3)
CHT 3123	Pre-Modern Chinese Literature and Culture (3)
CHT 3391	Chinese Cinema and Culture (3)
CHT 3930	Topics in Chinese Literature (3)
HUM 3413	Humanities: South Asian (3)
HUM 3416	East Asian Humanities (3)

JPN 3202	Readings in Japanese Short Stories and Essays (3)
JPN 4930	Special Topics (3)
JPT 3391	Japanese Film and Culture (3)
JPT 4020	Japanese Calligraphy (1)
MUH 4571	Music of Indonesia (3)
MUH 4572	Music of Japan (3)
MUN 2800	World Music Ensemble (1)
REL 2315	Religions of South Asia (3)
REL 2350	Religions of East Asia (3)
REL 3333r	Hindu Texts and Contexts (3)
REL 3337	Goddesses, Women and Power in Hinduism (3)
REL 3340	The Buddhist Tradition (3)
REL 3358	Tibetan and Himalayan Religions (3)
REL 3363	The Islamic Tradition (3)
REL 4333	Modern Hinduism (3)
REL 4357	Classical Tibetan (3)
REL 4359	Special Topics in Asian Religions (3)

Concept and Theory Courses (six credit hours)

Recommended Prerequisite Social Science-Concepts and Theories

CPO 2002	Introduction to Comparative Government and Politics (3)
ECO 2013	Principles of Macroeconomics (3)
ECO 2023	Principles of Microeconomics (3)
INR 2002	Introduction to International Relations (3)

Other Concepts and Theories

ANT 2410	Introduction to Cultural Anthropology (3)
ANT 3212	Peoples of the World (3)
ANT 3610	Language and Culture (3)
ANT 4241	Anthropology of Religion (3)
ARH 2000	Art, Architecture, and Artistic Vision (3)
ARH 3056	History and Criticism of Art I (3)
ARH 3057	History and Criticism of Art II (3)
ECO 3303	History of Economic Ideas (3)
ECO 4704	International Trade (3) [with ECO 2013 and ECO 2023 as prerequisites]
ECO 4713	International Finance (3) [with ECO 2013 and ECO 2023 as prerequisites]
ECS 3003	Comparative Economic Systems (3) [with ECO 2013 and ECO 2023 as prerequisites]
GEA 1000	World Geography (3)
GEO 1400	Human Geography (3)
GEO 3502	Economic Geography (3)
GEO 4421	Cultural Geography (3)
GEO 4471	Political Geography (3)
HUM 3321	Multicultural Dimensions of Film and 20th-Century Culture (3)
INR 3004	Geography, History, and International Relations (3) [with INR 2002 as prerequisite]
INR 3084	Terror and Politics (3) [with INR 2002 as prerequisite]
INR 3502	International Organizations (3) [with INR 2002 as prerequisite]
INR 3603	Theories of International Relations (3) [with INR 2002 as prerequisite]
INR 4011	Politics of Globalization (3) [with INR 2002 as prerequisite]
INR 4075	International Human Rights (3) [with INR 2002 as prerequisite]
INR 4078	Confronting Human Rights Violations (3) [with INR 2002 as prerequisite]
INR 4083	International Conflict (3) [with INR 2002 as prerequisite]
INR 4102	American Foreign Policy (3) [with INR 2002 as prerequisite]
INR 4124	Statecraft (3) [with INR 2002 as prerequisite]
INR 4334	American Defense Policy (3) [with INR 2002 as prerequisite]
INR 4702	Political Economy of International Relations (3) [with INR 2002 as prerequisite]
MUH 2051	Music Cultures of the World (3)
PAD 3003	Public Administration in American Society (3)
PHI 2010	Introduction to Philosophy (3)
PHI 2630	Ethical Issues and Life Choices (3)
PHI 3670	Ethical Theory (3)
PHI 3700	Philosophy of Religion (3)
PHI 3800	Philosophy of the Arts (3)
PHI 3882	Philosophy in Literature (3)
PHM 2300	Introduction to Political Philosophy (3)

PHM 3331r	Modern Political Thought (3)
PHM 3400	Philosophy of Law (3)
PHM 4340r	Contemporary Political Thought (3)
POT 3003	Introduction to Political Thought (3)
PSY 2012	General Psychology (3)
PUP 3002	Introduction to Public Policy (3)
PUR 3002	Public Relations Techniques (3)
REL 1300	Introduction to World Religions (3)
REL 3142	Religion, The Self and Society (3)
REL 3170	Religious Ethics and Moral Problems (3)
SOP 3004	Social Psychology (3)
SYA 4010	Sociological Theory (3)
SYG 1000	Introductory Sociology (3)
SYG 2010	Social Problems (3)
SYO 3530	Social Classes and Inequality (3)
SYP 3000	Social Psychology of Groups (3)
SYP 3350	Collective Action and Social Movements (3)
SYP 3454	Global Justice Movements (3)
SYP 3540	Sociology of Law (3)

Additional Asian Studies Courses (Six credit hours)

Select from any approved Asian Studies course or an approved Internship.
 INR 4941 International Affairs Internship (3-6)

Definition of Prefix

ASN—Asian Studies

Undergraduate Courses

ASN 4905r. **Directed Individual Study (1-3).** May be repeated to a maximum of nine semester hours.

ASN 4930r. **Special Topics in Asian Studies (1-3).** May be repeated to a maximum of nine semester hours as topics change.

ASN 4970r. **Honors Thesis (1-6).** This course requires six hours of credit that must be taken in two successive semesters and must result in the production of a thesis. May be repeated to a maximum of nine semester hours.

Graduate Courses

Note: Descriptions of the following courses can be found in the *Graduate Bulletin* under the individual departments in which they are taught.

ASN 5910r. Supervised Research (1-5). (S/U grade only.)

ASN 5935r. Special Topics in Asian Studies (1-3).

For listings relating to graduate coursework for thesis, master's comprehensive examination, and thesis defense, consult the *Graduate Bulletin*.

**ASTRONOMY:
see Physics**

Department of BIOLOGICAL SCIENCE

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://www.bio.fsu.edu/>

Interim Chair: Don Levitan; **Associate Chair (Graduate Studies):** Bates; **Associate Chair (Undergraduate Studies):** L. Keller; **Associate Chair (Curriculum Development):** Winn; **Professors:** Bates, Chase, Deng, Ellington, Erickson, D. Fadool, Fajer, Gaffney, Gilbert, Houle, Hughes, Levitan, Meredith, Miller, Roberts, Roux, Steppan, Taylor, Travis, Tschinkel; **Associate Professors:** Bass, Epstein, J. Fadool, Houpt, Inouye, L. Keller, T. Keller, Mast, Tang, Trombley, Underwood, Winn, Wulff; **Assistant Professors:** Chadwick, Cui, Dennis, DuVal, Jones, Lee, Lemmon, Lenhart, Lyons, McGinnis, Rokyta, Stroupe, Yu, Zhu; **Professors Emeriti:** Abele, Anderson, Caspar, DeBusk, deKloet, Elam, Freeman, Heard, Herrmkind, Hofer, Homann, James, Livingston, Mariscal, Outlaw, Quadango, Reeves, Roeder

The Department of Biological Science offers an undergraduate major in biological science that includes programs of study in most contemporary areas of biology. Specific academic concentrations within the major include cell and molecular biology; ecology, evolution, and environmental biology; marine biology; physiology and neuroscience; invertebrate and vertebrate zoology; plant sciences; and pre-professional health sciences. The requirements for the baccalaureate degree in biological science include most prerequisite courses necessary for admission to medical, dental, optometry, veterinary, osteopathic, chiropractic, and other allied health professional schools.

The department also offers a major in computational biology in conjunction with the Computer Science Department. This interdisciplinary major provides a top-notch educational program for students interested in the areas of computational biology and bioinformatics. The program seeks to achieve two goals: (1) to develop an understanding of the issues associated with developing biologically meaningful computational models, and (2) to give students the broad-based education that is needed to create a set of models directed toward solving a practical biomedical problem.

In addition, students interested in marine science may complete the program in marine biology and living resource ecology.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in biological science and in biology/FSU-Teach satisfy this requirement by earning a grade of "C-" or higher in BSC 2010L. Undergraduate majors in computational biology satisfy this requirement by earning a grade of "C-" or higher in COP 3014.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

Biology, General

1. BSC X010/X010L or BSC X010C or BSC X040/X040L or PCB X011C
2. BSC X011/X011L or BSC X011C or BSC X041/X041L
3. CHM X045/X045L or CHM X045C, or CHM X040 and CHM X041
4. CHM X046/X046L or CHM X046C
5. CHM X210/X210L and CHM X211/X211L, or CHM X210C and CHM X211C, or PHY X053/X053L and PHY X054/X054L, or PHY X048/X048L and PHY X049/X049L
6. MAC X311 or MAC X233 or MAC X253 or MAC X281 or MAC X241
7. MAC X312 or MAC X282 or MAC X234 or STA X023 or STA X024 or STA X321

Biology, General FSU-Teach

1. BSC X010/X010L or BSC X010C or BSC X040/X040L
2. BSC X011/X011L or BSC X011C or BSC X041/X041L
3. CHM X045/X045L or CHM X045C, or CHM X040 and CHM X041
4. CHM X046/X046L or CHM X046C
5. CHM X210/X210L and CHM X211/X211L, or CHM X210C and CHM X211C, or PHY X053/X053L and PHY X054/X054L, or PHY X048/X048L and PHY X049/X049L
6. MAC X311 or MAC X233 or MAC X253 or MAC X281 or MAC X241
7. MAC X312 or MAC X282 or MAC X234 or STA X023 or STA X024 or STA X321
8. SMT X043
9. SMT X053

Note: Transfer students will be able to take SMT X043 and SMT X053 while enrolled in upper division.

Computational Biology

1. BSC X010/X010L or BSC X010C or BSC X040/X040L or PCB X011C
2. BSC X011/X011L or BSC X011C or BSC X041/X041L
3. CHM X045/X045L or CHM X045C, or CHM X040 and CHM X041
4. CHM X046/X046L or CHM X046C
5. PHY X048/X048L or PHY X053/X053L
6. PHY X049/X049L or PHY X054/X054L
7. MACX311
8. MACX312

Requirements for a Major in Biological Science

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this *General Bulletin*.

1. Prerequisites for Upper-Division Biological Science Courses

Registration in all 3000- and 4000-level biological science courses is allowed only after meeting the following criteria:

- a. Satisfactory completion (“C–” or better) of BSC 2010/L (Biological Science I with lab) and BSC 2011/L (Biological Science II with lab)
- b. Satisfactory completion (“C–” or better) of CHM 1045/L and CHM 1046/L or CHM 1050/L and CHM 1051/L (General Chemistry I and II with labs)
- c. A minimum combined 2.0 GPA in all biology, chemistry, physics, mathematics, and statistics courses, and their prerequisites, that are applicable to the major, from any institution attended.

2. Academic Performance

- a. All courses applicable to the major, including biological science, chemistry, physics, mathematics, and statistics must be completed with a grade of “C–” or better;
- b. Designation, continuation, and graduation as a biological science major requires a minimum combined 2.0 GPA in all courses taken for the major from any institution, including biology, chemistry, physics, mathematics, and statistics, and their prerequisites;
- c. A biological science major who applies for readmission to the college must meet the biological science degree requirements of the catalog in force on the date of readmission.

3. D/F Policy

- a. A student who *has not yet completed* the prerequisite courses required for upper-division status (CHM 1045 and lab, CHM 1046 and lab, BSC 2010 and lab, BSC 2011 and lab) and earned more than one unsatisfactory grades (U, F, D–, D, D+) in courses required for the major in biological science (biological science, chemistry, physics, mathematics, and statistics) and their prerequisites at Florida State University or elsewhere, whether or not repeated, will not be permitted to graduate from Florida State University with a degree in biological science;
- b. A student who *has completed* the prerequisite courses required for upper-division status (CHM 1045 and lab, CHM 1046 and lab, BSC 2010 and lab, BSC 2011 and lab) and earned more than three unsatisfactory grades (U, F, D–, D, D+) in courses required for the major in biological science (biological science, chemistry, physics, mathematics, and statistics) and their prerequisites at Florida State

University or elsewhere, whether or not repeated, will not be permitted to graduate from Florida State University with a degree in biological science.

4. Co-op and Transient Study.

Florida State University biological science majors who intend to take courses for the major (biological science, chemistry, physics, mathematics, statistics) at other institutions must receive approval from the Department of Biological Science Academic Advising Office prior to enrollment. This policy applies to courses taken as part of the FAMU–FSU and TCC—FSU co-op programs, as well as courses taken elsewhere.

5. Required Courses in Biological Science.

Thirty-eight semester hours of biological science coursework are required for the degree. At least twenty of the required semester hours must be taken in residence at Florida State University. The following shall be included in the thirty-eight semester hours:

- a. Eight semester hours (prerequisite to all major coursework in biology): BSC 2010/2010L, 2011/2011L
- b. PCB 3063 General Genetics (3)
- c. BOT 3015 Plant Biology (2)
- d. BSC 3402L Experimental Biology Laboratory (2)
- e. PCB 4674 Evolution (3)
- f. At least one course from two of the three areas:

Area I: Cell and Molecular Biology

- MCB 4403, 4403L Prokaryotic Biology and Laboratory (3, 2)
- PCB 3134 Cell Structure and Function (3)
- PCB 4024 Molecular Biology (3)
- PCB 4253 Animal Development (3)

Area II: Physiology

- BOT 4503 Plant Physiology (3)
- PCB 3743 Vertebrate Physiology (3)
- PCB 4723 General and Comparative Animal Physiology (3)

Area III: Ecology and Environmental Science

- BSC 3052 Conservation Biology (3)
- PCB 3043 General Ecology (3)
- ZOO 4513 Animal Behavior (4)

- g. Additional courses for major credit at the 3000- or 4000-level to complete the thirty-eight semester hour requirement. No more than six semester hours of honors work in biological science (BSC 4970r), six semester hours of directed individual study (BSC 4900r), one semester hour of undergraduate supervised teaching (BSC 4945), and two semester hours of senior tutorial (BSC 4931) can be used to meet the thirty-eight hour requirement
- h. Completion of at least five biology laboratory/field courses (the letter “C” listed after the course number indicates that the course is a lecture and a lab/field combined, and the letter “L” indicates the course is a laboratory or field course).

6. Required Courses in Collateral Areas

- a. **General Chemistry:** Two semesters of general chemistry with laboratory equivalent to CHM 1045/L plus CHM 1046/L or CHM 1050/L plus CHM 1051/L
- b. **Organic Chemistry:** Two semesters of organic chemistry equivalent to CHM 2210 and 2211. Many health professions programs also require CHM 2211L (Organic Chemistry II Laboratory), BCH 4053 (General Biochemistry I), and BCH 4054 (General Biochemistry II), which do not apply to the major
- c. **Mathematics/Statistics:** Either two semesters of calculus with analytical geometry equivalent to MAC 2311, MAP 2480 and MAC 2312, or MAC 2311, MAP 2480 and STA 2171
- d. **Physics:** Two semesters of general physics with laboratories equivalent to PHY 2048C and 2049C (prerequisite of MAC 2311) or two semesters of college physics with laboratories equivalent to PHY 2053C and 2054C (prerequisites are MAC 1114 and MAC 1140).

7. Exit Survey:

All seniors must complete the online exit survey in the semester in which they plan to graduate. For details, contact an adviser in the Biological Science Academic Advising Office.

8. Minor.

The required collateral courses in chemistry constitute a chemistry

minor and fulfill the College of Arts and Sciences requirement for a minor; however, the student may select other minors in consultation with an adviser.

Requirements for a Major in Computational Biology

Please review all college-wide degree requirements summarized in the "College of Arts and Sciences" chapter of this *General Bulletin*. The common program prerequisites are currently being determined. Lower-division students should complete the 1000 and 2000-level science and calculus courses listed below.

1. Biological Science (eighteen hours)

- BSC 2010 Biological Science I (3)
- BSC 2011 Biological Science II (3)
- PCB 3063 General Genetics (3)
- PCB 4674 Evolution (3)

plus six hours of biological science elective credit chosen from:

- BOT 4394 Plant Molecular Biology (3)
- BSC 2010L Biological Science I Laboratory (1)
- BSC 2011L Biological Science II Laboratory (1)
- BSC 4613 Systematics (3)
- MCB 4403 Prokaryotic Biology (3)
- MCB 4403L Prokaryotic Biology Laboratory (2)
- PCB 3134 Cell Structure and Function (3)
- PCB 3743 Vertebrate Physiology (3)
- PCB 4024 Molecular Biology (3)
- PCB 4233 Immunology (3)
- PCB 4253 Animal Biology (3)
- PCB 4843 Fundamentals of Neuroscience (3)

2. Computer Science (sixteen hours)

- CDA 3100 Computer Organization I (3)
- COP 3014 Programming I (3)
- COP 3330 Object Oriented Programming (3)
- COP 3344 Introduction to UNIX (1)
- COP 4530 Data Structures, Algorithms and Generic Programming (3)

plus three hours of computer science elective credit chosen from:

- CDA 3101 Computer Organization II (3)
- COP 4531 Complexity and Analysis of Data Structures and Algorithms (3)
- COP 4710 Theory and Structure of Databases (3)
- COT 4420 Theory of Computation (3)

3. Computational Science (six hours)

- BSC 4933r Selected Topics in Biological Science (3)
- CIS 4930r Special Topics in Computer Science (3)

4. Mathematics/Statistics (fifteen hours)

- MAC 2311 Calculus with Analytic Geometry I (4)
- MAC 2312 Calculus with Analytic Geometry II (4)
- MAD 2104 Discrete Mathematics I (3)
- STA 2171 Statistics for Biology (4)

5. Physics (eight or ten hours)

- PHY 2048C General Physics A (5)

OR

- PHY 2053C College Physics A (4)

AND

- PHY 2049C General Physics B (5)

OR

- PHY 2054C College Physics B (4)

6. Chemistry (eight hours)

- CHM 1045 General Chemistry I (3)
- CHM 1045L General Chemistry I Laboratory (1)
- CHM 1046 General Chemistry II (3)
- CHM 1046L General Chemistry II Laboratory (1)

Note: All courses applicable to the major must be completed with a grade of "C–" or better.

Marine Biology Program in Living Marine Resource Ecology (Upper Division Only)

A Program in Marine Biology and Living Marine Resource Ecology provides interested students with both a challenging academic program and substantive hands-on experiences in the field. The program prepares students to

pursue professional careers in the application of ecology to significant resource issues of the marine environment. The program requirements assure a strong knowledge base in relevant biological disciplines, hands-on research experience on marine organisms and habitats, and an awareness of major problems and solutions of marine resource ecology now confronting science and society.

Prerequisites for the program include: (1) completion of prerequisites required for the major in biological science (BSC 2010/L, 2011/L; CHM 1045/L, 1046/L; and (2) a 3.0 GPA or better in the 2000-level biological science core courses (BSC 2010/L and BSC 2011/L). Students enrolling in the program will be required to complete at least sixteen semester hours of specified coursework as described below, and must maintain a 3.0 GPA or better in courses used for the certificate. Students wishing to enter the program retroactively may do so by the first semester of their senior year at the latest.

The program offers internships, scholarships, and other instructor programs that provide unique professional development opportunities for students interested in this field. These opportunities allow students to work closely with scientists in a student/mentor relationship, or to attend remote training or study programs during the summer. Selection for scholarship awards is based on academic qualifications; demonstrated interest in fisheries ecology, marine biology, and zoology; and relevance to the applicant's biological and career interests. Additional information is available through the Academic Advising Office and the department's Institute for Fishery Resource Ecology. For more information about the certificate program and list of required courses, please contact the Academic Advising Office.

Honors in the Major

The Department of Biological Science offers a program in honors in the major to encourage talented juniors and seniors to undertake independent and original research as part of the undergraduate experience. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

FSU-Teach Program in Science Teaching

For those interested in teaching Biological Science, FSU-Teach is an innovative approach to teacher education that involves a collaboration between scientists, mathematicians, and education faculty at Florida State University. In this program, students develop deep science or mathematics knowledge and the skill and experience needed to be an effective science or math teacher. FSU-Teach pays for tuition for the first two courses (Step 1 and Step 2). Work study positions with scientists, mathematicians and local schools are available.

Prerequisites for admission to the Biological Science/FSU-Teach major are the same as the prerequisites for the Biological Science major. The program is a double-major only curriculum requiring students to complete a primary major in Biological Science in addition to a secondary major in Science and Mathematics Teaching. The discipline area has a special track for FSU-Teach majors enabling students to complete the double major in four years.

The program culminates with conferral of the baccalaureate degree with two majors and all coursework and state testing requirements for initial Florida teacher certification. Note that students seeking certification must be formally admitted to the School of Teacher Education and meet all of the requirements for pursuing a state-approved program. For information regarding the requirements for the second major in Science and Mathematics Teaching, please see the chapter in this *General Bulletin* for School of Teacher Education. For additional information, see our Web site: <http://FSU-Teach.fsu.edu>.

Graduate Study

The Department of Biological Science offers work leading to the Master of Science (MS) and Doctor of Philosophy (PhD) degrees; consult the *Graduate Bulletin* for details.

Requirements for a Minor in Biological Science

A minimum of twelve semester hours of biological science courses approved for major credit, including BSC 2010/L and BSC 2011/L and one additional biology course that counts in the major (PCB 3063 recommended); a minimum of four semester hours of the twelve semester hours must be taken at Florida State University. Grades below "C–" will not be accepted for minor credit.

Definition of Prefixes

- BCH—Biochemistry (Biophysics)
- BOT—Botany
- BSC—Biological Sciences
- ISC—Interdisciplinary Sciences
- MCB—Microbiology

PCB—Process Biology

PSB—Psychobiology

SCE—Science Education

ZOO—Zoology

Undergraduate Courses

Courses Not for Major or Minor Credit

BSC 1005. General Biology for Nonmajors (3). This course consists of four selected topics in contemporary biology.

BSC 1005L. General Biology Laboratory for Nonmajors (1). This course may be taken concurrently with lecture or subsequent to completion of lecture with passing grade.

BSC 1005C. General Biology for Nonmajors (4).

BSC 2085. Anatomy and Physiology I (3). This course is the first of a two-semester human anatomy/physiology sequence emphasizing the cell, stimulus-response concept, and the skeletal-muscular and first half of the nervous systems.

BSC 2085L. Anatomy and Physiology I Laboratory (1). Corequisite: BSC 2085. This lab explores microscopic and gross anatomy of the human body. Physiology of muscle contractions and nerve signaling are explored using computer simulated experiments.

BSC 2086. Anatomy and Physiology II (3). Prerequisite: BSC 2085 or instructor permission. This course is a continuation of a two-semester human anatomy/physiology sequence beginning with the second half of the nervous system, then continuing with endocrine, cardiovascular, respiratory, digestive, excretory, and reproductive systems. Also included are fluid-electrolyte balance and immunity.

BSC 2086L. Anatomy and Physiology II Laboratory (1). Corequisite: BSC 2086. This lab focuses on sensory and organ systems found in the human body. Physiology of the sensory and organ systems are explored with lab activities and computer simulated experiments.

ISC 3076. Science, Technology, and Society (3). Prerequisite: Junior standing or instructor permission. This course examines interrelations among science, technology, and society. Science is considered as an enterprise in modern society that produces technological advances and new perspectives on reality. This course cannot be used as credit toward a major or a minor in a science department.

MCB 2004. Microbiology for Health Services (3). Corequisite: MCB 2004L. This course covers microbiology for students planning careers in the health services, with emphasis on infectious disease, food microbiology, and public health.

MCB 2004L. Microbiology for the Health Services Laboratory (1). Corequisite: MCB 2004. This course covers microbiological techniques including the isolation, typing, and identification of bacteria, properties of pathogenic bacteria, and food microbiology.

PCB 2099. Human Physiology (3). This course surveys the major systems and their regulation in normal function and disease in the human body.

SCE 4939r. Seminar in Contemporary Science, Mathematics, and Science Education (1). This course includes presentations of contemporary and interesting issues in science, mathematics, or academic methods. Content varies from semester to semester. May be repeated to a maximum of four semester hours.

Courses for Major Credit

Note: All 3000- and 4000-level biological science courses have the following minimum prerequisites: BSC 2010/L, 2011/L; CHM 1045/L and 1046/L. Additional prerequisites, if any, are included in the course listing.

Botany

BOT 3015. Plant Biology (2). This course is an introduction to evolutionary relationships, natural history, ecological adaptations, and physiology of plants, fungi, autotrophic protista, and prokaryotes.

BOT 3015L. Plant Biology Laboratory (1). Corequisite: BOT 3015. This lab explores anatomy, development, and morphology and life cycles of autotrophs and fungi and other osmotrophs.

BOT 3143C. Field Botany (4). This course is an introduction to plant taxonomy with emphasis on laboratory and field study. Orientation to principles of identification, classification, and rules of botanical nomenclature.

BOT 4394. Plant Molecular Biology (3). Prerequisite: BOT 3015. Prerequisite or corequisite: PCB 3063. This course explores molecular biology and biotechnology of plant growth and development.

BOT 4503L. Plant Physiology Laboratory (1). Prerequisite: BOT 3015.

Biological Science

BSC 2010. Biological Science I (3). This course introduces basic chemistry, energetics, metabolism, and cellular organization; molecular genetics and information flow; animal and plant function.

BSC 2010L. Biological Science I Laboratory (1). This laboratory furnishes tools and techniques used to visualize, quantify, and analyze biological phenomena, including experimental design and execution, recording of data, and graphic and statistical analysis of data.

BSC 2011. Biological Science II (3). Prerequisite: BSC 2010. This course focuses on reproduction and development, transmission (Mendelian) genetics, population biology, ecology, and evolution.

BSC 2011L. Biological Science II Laboratory (1). Prerequisites: BSC 2010 and BSC 2010L. This lab is an introduction to animals, sponges, cnidarians, flatworms and pseudocoelomates, annelids, molluscs, arthropods, echinoderms, and chordates.

BSC 3052. Conservation Biology (3). This course focuses on the history of the conservation movement, the research on populations of animals and plants that is relevant to man's impact upon the environment, pollution in terrestrial and aquatic ecosystems, endangered species, government regulation, and sustainable development.

BSC 3312. Marine Biology (3). This course explores marine geology, chemistry of the oceans, oceanic circulation, oceanographic techniques, the marine environment and marine life.

BSC 3402L. Experimental Biology Laboratory (2). Prerequisite: Majors only. This course explores methodology of biological experimentation, data analysis, and reporting using selected topics (see academic advising office for selected topics offered each semester).

BSC 3930. Seminar in Biological Frontiers (1). (S/U grade only.) This course is a weekly seminar covering topics in biological research. Not repeatable for credit toward major requirements.

BSC 3938. Careers in the Biological Sciences (1). (S/U grade only.) This course is intended for biology sciences majors at any point in their undergraduate career, but is most beneficial to those in their first three years. Career options in biology-related fields (including health professions) and the preparation they require are presented for students planning to immediately enter the job market or to continue their academic careers upon graduation. Not repeatable for credit toward major requirements.

BSC 3949r. Cooperative Education Work Experience (0). (S/U grade only.) This non-credit, experiential learning course offers students an opportunity to gain "real world" on-the-job work experience related to a specific academic field of study. Students must register for this course through the FSU Career Center.

BSC 4473C. Introduction to Scientific Diving (3). Prerequisites: Open water diver certified by national organization, clear diving medical exam, ability to pass swimming evaluation. This course is designed for the scientist or scientist in training who plans to use SCUBA diving as a tool for underwater research. Skills covered include dive planning, emergency management, underwater navigation, survey techniques, and instrument deployment and recovery.

BSC 4613. Systematics (3). This course explores the history of systematic theory; methods of phylogenetic analysis including distance, parsimony, and likelihood; classification of the diversity of life; the comparative method; analysis of within species variation.

BSC 4900r. Directed Individual Study (1-4). Prerequisites: A combined 3.0 GPA in biology, chemistry, physics, math, and statistics courses applied to the major; permission from a biological science instructor; and Department of Biological Science Advising Office permission. This course is a supervised study of a special topic or research participation in the area of the faculty member's research. Graduate students may not register for this course. A maximum of six semester hours may be applied to biological science major credit. May be repeated to a maximum of twenty-four semester hours.

BSC 4931r. Senior Tutorial in Biological Science (1). (S/U grade only.) Prerequisite: Senior standing (90+ hours). This course focuses on selected topics in contemporary biological science; maximum enrollment of five students in each tutorial. Repeatable one time to a maximum of two semester hours which may be applied to biological science credit.

BSC 4933r. Selected Topics in Biological Science (1-4). Prerequisites: Courses as specified and junior or senior standing. May be repeated to a maximum of eight semester hours.

BSC 4934r. Selected Topics in Applied Biology (1-4). (S/U grade only.) May be repeated to a maximum of eight semester hours. Some sections are not for major credit.

BSC 4937. Seminar in Living Marine Resource Ecology (1). Prerequisite: Instructor permission. This seminar course in marine resource ecology designed to introduce students to a broad array of current research priorities and interests in marine ecology. Students have the opportunity to meet with resource managers and scientists from both the biological and social fields. Lecture topics range from life history studies of marine fish to the economic consequence of marine policy.

BSC 4940. Research Internship in Marine Biology (3-9). Prerequisites: PCB 3043, junior or senior standing, 3.0 GPA in biology, a course in the area of research, and associate chair written permission. This course is a special supervised study in marine biology at the National Marine Fisheries Services Laboratory in Panama City, the Mote Marine Laboratory, or other approved location. Students may receive up to nine semester hours of credit, of which four semester hours would apply to the biological science major. Offered during the summer only.

BSC 4945. Undergraduate Supervised Teaching (1). (S/U grade only.) Prerequisites: Senior standing and instructor permission. A maximum of one semester hour may be applied to biological science major credit.

BSC 4970r. Honors Work in Biological Science (1-6). Prerequisite: Admission to the department's honors-in-the-major program. This course involves participation in a supervised research problem. May be repeated to a maximum of nine semester hours, of which six semester hours may be applied to biological science major credit.

Microbiology

MCB 4403. Prokaryotic Biology (3). Prerequisites: CHM 2210 and PCB 3063. Corequisite: MCB 4403L. This course covers structural and functional characteristics of microorganisms, with emphasis on prokaryotes (bacteria and archaea) and viruses. Topics include: prokaryotic cell structure and function, physiology and genetics of prokaryotes and viruses, physiological and molecular aspects of microorganisms and human disease, and biotechnological applications of microbial physiology (environmental, food, and industrial microbiology).

MCB 4403L. Prokaryotic Biology Laboratory (2). Prerequisites: CHM 2210 and PCB 3063. Corequisite: MCB 4403. This course covers laboratory methods for growth, handling, and study of prokaryotes and other types of microorganisms. Topics include: aseptic technique and isolation of pure cultures; microscopic methods; effects of environment on growth; viruses; physiological characterization methods; and methods related to medical, environmental, and food microbiology.

Process Biology

PCB 3043. General Ecology (3). This course focuses on topics such as: population biology; population growth; community processes, succession, nutrient cycling, and energy flow; species interactions; ecological efficiency; and biogeographical ecology.

PCB 3063. General Genetics (3). This course is an introduction to the principles of transmission and molecular genetics of prokaryotes and eukaryotes and significance of these principles to other aspects of biological science.

PCB 3134. Cell Structure and Function (3). This course focuses on topics such as: cellular chemistry and physiology, morphology, and function of cellular organelles; and cellular motility, growth, division, communication, and regulation.

PCB 3743. Vertebrate Physiology (3). This course studies physiological systems of vertebrates with emphasis on mammals. Mechanisms underlying physiological processes and the physico-chemical principles upon which they depend are also studied.

PCB 4024. Molecular Biology (3). Prerequisites: PCB 3063 and PCB 3134 recommended. This course studies the molecular basis of cellular function with emphasis on the activities of DNA, RNA, and the regulation of gene expression.

PCB 4024L. Molecular Biology Laboratory (1). Corequisite: PCB 4024.

PCB 4233. Immunology (3). Prerequisites: CHM 2210, PCB 3063, PCB 3134, or instructor permission. This course analyzes the tissues, cells, and molecules of the immune system and their relationships to disease and transplantation.

PCB 4233L. Laboratory in Immunology (1). Corequisite: PCB 4233.

PCB 4253. Animal Development (3). Prerequisite: PCB 3063. This course discusses a number of topics, including fertilization, early embryonic events, organogenesis, differentiation, morphogenesis, cytoplasmic localization, determination, and differential gene expression.

PCB 4253L. Developmental Biology Laboratory (3). Prerequisite: PCB 3063. Corequisite: PCB 4253. This lab combines lecture and laboratory experiments regarding sea urchin fertilization, frog and chick early development, gene expression, cell-cell interactions, and metamorphosis.

PCB 4674. Evolution (3). Prerequisites: PCB 3063 and senior standing (90+ hours). This course places emphasis on the processes of evolution: origin of life, theories of evolution, sources of variation, natural selection, population systems, isolating mechanisms, evolution above the species level.

PCB 4723. General and Comparative Animal Physiology (3). Prerequisite: CHM 2210. This course studies the physiological and biochemical interactions of animals with their respective environments. Emphasis on non-mammalian vertebrate and invertebrate systems.

PCB 4843. Fundamentals of Neuroscience (3). Prerequisite: PCB 3134. This course emphasizes cellular and molecular approaches to neuroscience and brain function and emphasizes simple model systems including invertebrates.

Zoology

ZOO 3205. Advanced Invertebrate Zoology (2). Prerequisite: PCB 3043 or PCB 3063 or ZOO 3713C or instructor permission. Corequisite: ZOO 3205L. This course focuses on the structure, function, behavior, and evolution of the invertebrate phyla, especially those taxa living in the sea.

ZOO 3205L. Advanced Invertebrate Zoology Laboratory (2). Prerequisite: PCB 3043 or PCB 3063 or ZOO 3713C or instructor permission. Corequisite: ZOO 3205. This laboratory deals with the structure, function, behavior and ecology of the invertebrate phyla, especially those taxa living in the sea.

ZOO 3713C. Comparative Vertebrate Anatomy (4). This course emphasizes form and function and origin and evolution of structure.

ZOO 4204C. Biology of Higher Marine Invertebrates (5). Prerequisite: BSC 3312 or PCB 3043 or ZOO 3205 or ZOO 3205L. This course focuses on the biological specializations of crustaceans, mollusks, and echinoderms, including life history, behavior, ecology, biomechanics, and environmental adaptations.

ZOO 4343C. Biology of the Lower Vertebrates (4). This course explores the systematics, ecology, and evolution of fishes, amphibians, and reptiles.

ZOO 4353C. Biology of Higher Vertebrates (4). Prerequisites: BSC 2011, BSC 2011L, and CHM 1046. This course covers the systematics, ecology, and evolution of birds and mammals.

ZOO 4454C. Biology of Fishes (4). This course provides an overview of the systematics, morphology, ecology, behavior, physiology, and life history of the most diverse group of vertebrates on earth, the fishes. It includes conservation and management issues and laboratory exercises balanced with field trips to different northwest Florida habitats, including freshwater springs, salt marshes, seagrass beds, and offshore reefs.

ZOO 4513. Animal Behavior (4). This course discusses modern perspectives of the behavior of animals.

ZOO 4753C. Histology (4). This course explores the microscopic anatomy and functions of the cells, tissues, and glands composing the organs and systems of humans.

ZOO 4823. Insect Biology (3). This course discusses the morphology, classification, natural history, physiology, and evolution of insects.

ZOO 4823L. Insect Diversity of North Florida (2). Prerequisite: MAC 2311. Prerequisite or corequisite: ZOO 4823. This course includes topics such as: collection, keying, and curation of local insects.

Graduate Courses

Biochemistry

BCH 5886r. Special Topics in Biochemistry and Cell Biology (1–3).

BCH 5887r. Special Topics in Biochemistry and Cell Biology (1–3).

Botany

BOT 5938r. Selected Topics in Botany (1–4).

BOT 6936r. Seminar in Botany (2). (S/U grade only.)

Biological Science

BSC 5409. Biophysical Principles of Biological Techniques (3).

BSC 5476C. Introduction to Scientific Diving (3).

BSC 5900r. Directed Individual Study (1–12). (S/U grade only.)

BSC 5932r. Graduate Tutorial in Biological Science (1). (S/U grade only.)

BSC 5936r. Selected Topics in Biological Science (1–4).

BSC 5945r. Supervised Teaching (1–2). (S/U grade only.)

BSC 6921r. Colloquium in Biological Science (1). (S/U grade only.)

Microbiology

MCB 5408. Prokaryotic Biology (3).

MCB 5505. Virology (3).

MCB 5936r. Selected Topics in Microbiology (1–4).

Process Biology

PCB 5137. Advanced Cell Biology (3).

PCB 5425. Population Ecology (3).

PCB 5447. Community Ecology (3).

PCB 5525. Molecular Biology (3).

PCB 5595. Advanced Molecular Biology (3).

PCB 5672. Evolution (3).

PCB 5675. Advanced Evolutionary Biology (3).

PCB 5785. Biology of Muscle (3).

PCB 5795. Sensory Physiology (3).

PCB 5845. Cell and Molecular Neuroscience (4).

PCB 5936r. Selected Topics in Genetics and Cell Biology (1–4).

PCB 5937r. Selected Topics in Physiology (1–4).

PCB 5938r. Selected Topics in Ecology and Evolutionary Biology (1–4).

PCB 6936r. Seminar in Genetics and Cell Biology (2). (S/U grade only.)

PCB 6938r. Seminar in Ecology and Evolutionary Biology (2). (S/U grade only.)

Neuroscience

PSB 5057. Neuroscience Methods: Molecules to Behavior (2). (S/U grade only.)

PSB 5077. Responsible Conduct of Research (2). (S/U grade only.)

PSB 5341. Systems and Behavioral Neuroscience (4).

PSB 5347. Neuropharmacology (3).

PSB 6070r. Current Problems in Neuroscience (2). (S/U grade only.)

PSB 6920r. Neuroscience Colloquium (1). (S/U grade only.)

PSB 6933r. Seminar in Neuroscience (1–2). (S/U grade only.)

Zoology

ZOO 5932r. Selected Topics in Marine Biology (1–4).

ZOO 5935r. Selected Topics in Zoology (1–4).

ZOO 6933r. Seminar in Marine Biology (2). (S/U grade only.)

ZOO 6934r. Seminar in Zoology (2). (S/U grade only.)

Secondary Science Teaching

ISC 5098. Reflective Science Teaching (2).

ISC 5525. Advanced Portfolio Design (1).

ISC 5535. Research in the Content Area for Teachers (6).

ISC 5944. Ethics, School Law, and Management of Science Classrooms (3).

ISC 5945. Full-Time Teaching Internship (6). (S/U grade only.)

ISC 5946. Half-Time Teaching Internship (3). (S/U grade only.)

ISC 8939. Portfolio Review (0). (S/U grade only.)

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Department of BIOMEDICAL SCIENCES

COLLEGE OF MEDICINE

Web Page: <http://med.fsu.edu/?page=biomedicalSciences.home>

Chair: Richard S. Nowakowski; **Professors:** Blaber, Diaz, Galasko, Hurt, Levenson, Nowakowski, Ouimet, Overton, Patrick, Romrell; **Associate Professors:** Arbeitman, Blackmon, Horabin, Kabbaj, Kaplan, Kato, Laywell, Leadem, Lee, Megraw, Olcese, Stefanovic, Wang; **Assistant Professors:** Cappendijk, Gunjan, Kumar, Paik, Pinto, VanLandingham, Zhu; **Eminent Scholar:** Bhide; **Assistant Scholar Scientist:** Bienkiewicz; **Assistant in Medicine:** Kao; **Associate in Medicine:** Didier

The Department of Biomedical Sciences is a community of scholars dedicated to educating future physicians and scientists and advancing knowledge through discovery.

The Doctor of Philosophy (PhD) in Biomedical Sciences at the Florida State University College of Medicine is designed to train modern biomedical scientists who use genomics, proteomics, bioinformatics, and other contemporary approaches to address questions of developmental, cell, and molecular biology related to human health. The program is appropriate for students with majors in biochemistry, biology, or other health-related fields. Three broad areas of research are emphasized: development, neuroscience, and the molecular basis of human disease. Research rotations during the first year allow students to make an informed choice regarding the research area and major professor with whom they will conduct their PhD work. A core curriculum of the fundamentals, the choice of electives from other departments, and intellectual interaction with faculty and postdoctoral fellows encourage graduate students to mature into independent scientists.

Admission Requirements

To apply for the PhD in Biomedical Sciences Program, students should contact the College of Medicine's Office of Research and Graduate Programs at (850) 645-6420 or visit the program's Web site (<http://med.fsu.edu/?page=phdAdmissions.home>) for other contact information. A prospective candidate must: (1) have or be a candidate for a baccalaureate degree from an accredited college or university and be in good standing at the last institution attended; (2) have a minimum GPA of 3.0 (on a 4.0 scale); and (3) have a minimum combined verbal and quantitative score of 1000 or above on the Graduate Record Examination (GRE). A GRE Subject Test is strongly recommended and may include Biochemistry and Cell Biology, General Biology, Chemistry, or Physics. Applicants whose native language is not English and who have not received a degree from an English language institution are required to take the Test of English as a Foreign Language (TOEFL), receiving a minimum score of 80 on the internet based (IB) test or 550 for the paper test. Applicants must also send all required material to the University Admissions Office at <https://admissions.fsu.edu/gradappl>.

Note: Effective August 2011, the GRE Revised General Test replaced the GRE General Test. To learn more about this new test, go to <http://www.ets.org/gre>.

Degree Requirements

The College of Medicine grants the PhD in Biomedical Sciences through an interdisciplinary program with the goal of training students to do research in the broad area of the molecular basis of human disease, including the function of the human genome in development, neurobiology, aging, cancer, and other disease.

The curriculum for the Biomedical Sciences degree includes core courses in statistics and ethics in research, as well as specialized biomedical coursework and laboratory research. The direction and supervision of graduate work at the doctoral level resides primarily with the major professor and supervisory committee, which is made up of four faculty members. Laboratory rotation in at least three laboratories during the first year is a degree requirement, designed to assist students in making informed choices regarding their courses of study.

To be considered for graduation from the College of Medicine with the PhD in Biomedical Sciences, the student must successfully complete all course requirements within five calendar years from the time the student gains admittance to candidacy by passing the preliminary exam. Other requirements for graduation include attending the Health Science Seminar Series; teaching at least two semesters; successfully completing the preliminary doctoral examination; submitting a doctoral research proposal approved by the major professor and the supervisory committee after admission to doctoral candidacy; registering for a minimum of twenty-four semester hours of dissertation credit; and submitting, publicly presenting, and successfully defending a doctoral dissertation.

Additional details are available at <http://med.fsu.edu/?page=phdAdmissions.home>. Also, for complete details of degree requirements, plus a description of the college, its facilities, opportunities, and available financial assistance, refer to the "College of Medicine" chapter of the *Graduate Bulletin*.

Definition of Prefixes

BMS—Basic Medical Sciences

GMS—Graduate Medical Sciences

IHS—Interdisciplinary Health Sciences

MDU—Undergraduate Medicine Courses

Undergraduate Courses

BMS 4861. Multicultural Health Care and Health Disparities (3). This course reviews the impact of culture and ethnicity on health, illness, and health care practices. The course exposes students interested in a career in health care to the challenges of providing care to a multicultural society through exposure to theory, evidence-based practices, and self-exploration through service learning with an underserved population.

BMS 4901r. DIS in Biomedical Sciences (1-4). Prerequisite: Instructor permission. Corequisite: Must have a combined GPA of 3.0 in biology, chemistry, and physics coursework. This directed individual study course in biomedical sciences offers a unique opportunity for undergraduate students to perform research in the biomedical science laboratories in the College of Medicine. Students perform special supervised study or research in the area of the faculty member's research. An oral presentation and a final report of the research in the format of a short scientific publication is required. May be repeated to a maximum of fifteen semester hours.

IHS 4120. Frontiers in Medicine (3). This course aims to provide advanced undergraduate students the opportunity to gain an understanding of common human disease conditions through a highly interactive set of learning activities. We recommend that students have taken physiology, genetics and biochemistry. Examples of topics covered include heart failure, cancer, diabetes, depression and Alzheimer's disease.

MDU 1000. Careers in Medicine: Preparation to Practice (1). (S/U grade only.) This course is intended for all undergraduates who are seriously considering a career in medicine. Students learn how to successfully prepare for the academic, personal, and professional rigors of medical school and for a career in medicine. Students are encouraged to take this course early in their undergraduate years, so they can pursue the appropriate academic coursework, volunteer, and earn medical experience that will help them become successful medical school applicants and health professionals.

Graduate Courses

- BMS 5081.** Introduction to Clinical Ethics (2).
- BMS 5082.** Ethics in the Clinical Setting (4-6).
- BMS 5122.** Insights into Human Congenital and Developmental Disorders (3).
- BMS 5185r.** Research Opportunities in Biomedical Sciences (1-4).
- BMS 5186C.** Research Techniques in Biomedical Sciences (2-4).
- BMS 5525.** Bioregulation (4).
- BMS 5862.** Multicultural Health Care and Health Disparities (3).
- BMS 5905r.** Directed Independent Study in Biomedical Sciences (1-12).
- BMS 5935r.** Advanced Topics in Biomedical Sciences (1-2).
- BMS 6900r.** Directed Individual Study in Biomedical and Clinical Sciences (2-9).
- BMS 6936r.** Seminar in Biomedical Sciences (1-2).
- GMS 5095r.** Modeling Human Disease (3).
- GMS 5098.** Critical Review of the Scientific Literature (1-2). (S/U grade only.)
- GMS 5222r.** Chromatin Structure, Epigenetics and Human Health (3).
- GMS 5303.** Molecular Mechanism of Common Human Diseases (3).
- GMS 5304.** RNA Silencing and Disease (3).
- GMS 5905r.** Directed Individual Study (1-3).
- GMS 6001r.** Special Topics in Biomedical Sciences (1-3).
- GMS 6097Cr.** Biomedical Sciences Research (3).
- IHS 5503r.** Proposal Development (1).
- IHS 5515.** Ethics and Professional Integrity in Research (1).
- IHS 5905r.** Directed Individual Study in Health Sciences (1-12).
- IHS 5906r.** Directed Individual Study in Medical Sciences (1-12).
- IHS 5933.** Seminar on Medical Science Education (1).
- IHS 5935r.** Health Sciences Seminar (1).
- IHS 5945r.** Supervised Teaching (1-5).
- IHS 6980r.** Dissertation Research (1-12).
- IHS 8960r.** Preliminary Doctoral Examination (0).
- IHS 8970r.** Dissertation Defense (0).

Interdepartmental Minor in BRITISH STUDIES, LONDON CENTER

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://international.fsu.edu/london/broad.html>

Coordinator: James E. Pitts (International Programs)

The British Studies London Center minor is concerned with the culture of Great Britain from ancient times to the present. The minor is built around the student's program of studies at the Florida State University London Study Center, allowing the student to study British culture from the perspective of various disciplines and to pursue the minor before, during, and after the student attends the London Center. The minor gives greater focus to and enhances the quality of the student's program of studies in Britain. The sojourn in London is the essential element in the minor, providing direct involvement in contemporary British civilization as well as exposure to Britain's historical and cultural artifacts.

Requirements for a Minor in British Studies

The interdisciplinary minor requires the completion of fifteen semester hours in courses approved by the British Studies London Center Minor Coordinating Committee. **At least nine semester hours of approved courses must be taken while the student is in residence at the London Study Center.** A maximum of nine semester hours may be counted in any single academic discipline. A minimum grade of "C–" must be earned for all courses taken for the minor. In addition, a minimum grade point average of 2.0 must be maintained in all courses counted toward the minor. Students who intend to minor in British Studies should declare this intention with International Programs at the end of the semester in London. Contact Betty Seymour at bs Seymour@fsu.edu for further information.

Core Courses

These courses will be counted in the minor whether they are taken on the Tallahassee campus or in London. Descriptions of these courses can be found under the individual departments in which they are taught.

CPO 3123	Comparative Government and Politics: Great Britain (3)
ECO 3303	History of Economic Ideas (3)
ENL 2012	British Authors: Beginnings to 1790 (3)
ENL 2022	British Authors: Early Romantics to the Present (3)
ENL 3210	Medieval Literature in Translation (3)
ENL 3334	Introduction to Shakespeare (3)
ENL 3184	British Drama: History, Text and Criticism (3)
ENL 4112	The 18th-Century British Novel (3)
ENL 4122	The 19th-Century British Novel (3)
ENL 4132	The Modern British Novel (3)
ENL 4161	Renaissance Drama (3)
ENL 4171	Restoration and 18th-Century Drama (3)
ENL 4218	Middle English Romance (3)
ENL 4220	Renaissance Poetry and Prose (3)
ENL 4230	Restoration and 18th-Century English Literature (3)
ENL 4240	British Romantic Literature (3)
ENL 4251	Victorian British Literature (3)
ENL 4273	Modern British Literature (3)
ENL 4311	Chaucer (3)
ENL 4333	Shakespeare (3)
ENL 4341	Milton (3)
EUH 3501	The Making of Modern England (3)
EUH 3532	England, the Empire, and the Commonwealth (3)
EUH 4500	England in the Middle Ages (3)
EUH 4502	England Since 1870 (3)
EUH 4512	Stuart England (3)
EUH 4520	England, 1714-1870 (3)
EUH 4544	Sex and Class in England, 1750–1914 (3)
LIT 4184	Irish Literature (3)

Related Courses

These courses may be counted in the minor only when they are taken at the London Study Center.

ANT 2410	Introduction to Cultural Anthropology (3)
ANT 2511	Introduction to Physical Anthropology and Prehistory (3)
ARH 2000	Art, Architecture, and Artistic Vision (3)
ARH 3056	History and Criticism of Art I (3)

ARH 3057	History and Criticism of Art II (3)
ARH 4353	Northern Baroque Art (3)
CLA 2010	Introduction to Greek and Roman Civilization (3)
CLA 3502	Women, Children, and Slaves in Ancient Rome: The Roman Family (3)
ECO 2023	Principles of Microeconomics (3)
ENC 3310r	Article and Essay Technique (3)
ENC 4311	Advanced Article and Essay Workshop (3)
ENG 3110	Film Genres (3)
ENG 3931r	Topics in English (1–3)
ENG 4932r	Studies in English (1–3)
EUH 2000	Ancient and Medieval Civilizations (3)
EUH 3420	Rise and Fall of Classical Civilization (3)
FIL 2001	Introduction to Film (3)
FOW 3240	Literature and Sexuality (3)
GEA 1000	World Geography (3)
GEO 1330	Environmental Science (3)
GEO 1400	Human Geography (3)
HUM 3321	Multicultural Dimensions of Film and 20th-Century Culture (3)
HUM 4931r	Topics in the Civilization of Britain or Italy (3)
IND 4131r	History of Interiors II (3)
INR 2002	Introduction to International Relations (3)
INR 3502	International Organization (3)
INR 3603	Theories of International Relations (3)
ISS 4931r	Special Topics (1–3)
LIT 2081	Contemporary Literature (3)
LIT 2189	Introduction to Global Literature in English (3)
LIT 3043	Modern Drama (3)
LIT 3383	Women in Literature (3)
LIT 4033	Modern Poetry (3)
MUH 2011	Introduction to Music History—Music Appreciation: 18th and 19th Centuries (3)
MUH 2012	Music in Western Culture, 19th and 20th Centuries (3)
MUH 2019	Modern Popular Music (3)
PGY 2100C	Photo for Non-Art Majors (3)
REL 1300	Introduction to World Religions (3)
REL 3145	Gender and Religion (3)
SYG 2010	Social Problems (3)
THE 2000	Introduction to Theatre (3)
THE 3061	Introduction to Theatre in London (3)
THE 3931r	Special Topics (3)
THE 4111	European Theatre History II (3)

All other courses at the London Study Center may be counted toward the minor if a course syllabus shows that at least fifty percent (50%) of the material presented is relevant to the minor, and provided the London Center Minor Coordinating Committee approves their inclusion in the minor. In addition, special topics courses offered on the Florida State University campus on a one-time basis may be counted if the Coordinating Committee approves them. To have such courses considered, petition the International Programs Coordinating Committee, *University Center A5500, Tallahassee, FL 32306-2420*.

BUSINESS LAW:

see Risk Management/Insurance, Real Estate, and Legal Studies

CELL BIOLOGY:

see Biological Science

Department of CHEMICAL AND BIOMEDICAL ENGINEERING

FAMU-FSU COLLEGE OF ENGINEERING

Web Page: <http://www.eng.fsu.edu/cbe>

Chair: Bruce R. Locke; **Professors:** Alamo, Collier, Locke, Schreiber, Siegrist; **Associate Professors:** Chella, Kalu, Ramakrishnan, Telotte; **Assistant Professors:** Grant, Guan, Kostov, Li, Paravastu; **Research Associate:** Finney; **Assistant Scholar/Scientist:** Park; **Affiliate Faculty:** C-J. Chen, Sachdeva, Shanbhag, Wesson

Program Overview

The vision of the Department of Chemical and Biomedical Engineering as an educational unit is to be recognized as a place of excellence in fundamental and applied chemical and biomedical engineering education and life-long learning, and to maintain a national research leadership in modern areas of engineering challenge. To attain this vision, the department realizes that it has to continually satisfy its major stakeholders: students, industrial employers, alumni, departmental faculty, the college, the universities, the community, the Accreditation Board for Engineering and Technology (ABET), and other professional societies.

Chemical engineering encompasses the development, application, and operation of processes in which chemical, biological, and/or physical changes of material are involved. The undergraduate curriculum emphasizes the application of experimental and computer analysis to classical chemical engineering principles. This includes laboratory instruction in modern, state-of-the-art facilities in the transport phenomena, unit operations, and process control laboratories. Students are instructed in and utilize state-of-the-art computational programs such as Aspen and COMSOL Multiphysics. In order to meet newly developed interests in chemical engineering and related fields, elective courses are available in bioengineering, polymer engineering, materials engineering, electrochemical engineering, environmental engineering, and biomedical engineering. The major options in Materials Engineering and Biomedical Engineering build upon the core classical chemical engineering principles developed initially for the original major in Chemical Engineering.

The work of the chemical engineer is to analyze, develop, design, control, construct, and/or supervise chemical processes in research and development, pilot-scale operations, and industrial protection. Chemical engineers are employed in the manufacture of inorganic chemicals (e.g., acids, alkalis, pigments, fertilizers), organic chemicals (e.g., petrochemicals, polymers, fuels, propellants, pharmaceuticals, specialty chemicals), biological products (e.g., enzymes, vaccines, biochemicals, biofuels), and materials (e.g., ceramics, polymeric materials, paper, biomaterials). The graduate in chemical engineering is particularly versatile. Industrial work may involve production, operation, research, and development. Graduate education in medicine, dentistry, and law, as well as chemical engineering, biomedical engineering, and other engineering and scientific disciplines are viable alternatives for the more accomplished graduate.

Fifteen years ago, the department made a commitment to emphasize a biological component in its curriculum. The increasing importance of biological and medical subjects within the field of engineering cannot be underestimated. Many of the remarkable breakthroughs in medical science can be directly attributed to advances in chemicals, materials, and devices spearheaded by biochemical and biomedical engineers. Currently, biomedical engineering represents the fastest growing engineering discipline in the U.S., and it is likely to continue as such. The biomedical/biotechnology industries are also the fastest growing of all current industries that employ engineers. Training in biological and biomedical engineering provides an excellent background for graduate and/or medical school, especially in light of the increasing technological complexity of medical education.

The Department of Chemical and Biomedical Engineering currently offers the Bachelor of Science (BS) degree in Chemical Engineering with three major options (Chemical Engineering, Biomedical Engineering, and Chemical-Materials Engineering). The BS degree takes between four and five years to complete. The undergraduate curriculum emphasizes the application of computer analysis in chemical engineering, as well as laboratory instruction in modern, state-of-the-art facilities in the transport phenomena/measurements and unit operations laboratories. In order to meet newly developed interests in chemical engineering and related fields, elective courses are available in bioengineering, polymer engineering, materials engineering, molecular engineering, electrochemical engineering, environmental engineering, and biomedical engineering, with additional courses under development.

Program Objectives and Outcomes

The Department of Chemical and Biomedical Engineering is nationally accredited by the Accreditation Board for Engineering and Technology (ABET). As part of the accreditation process, the department has developed program educational objectives and program outcomes to reflect the educational goals of the department. These objectives and outcomes are continually assessed and modified to meet the changing demands of the departmental stakeholders.

Program Educational Objectives

The Department of Chemical and Biomedical Engineering shall prepare its students for academic and professional work through the creation and dissemination of knowledge related to the field, as well as through the advancement of those practices, methods, and technologies that form the basis of the chemical engineering profession. Accordingly, the Department of Chemical and Biomedical Engineering has identified the following three program educational objectives (PEOs) for the Bachelor of Science (BS) degree in Chemical Engineering:

1. To produce graduates with a rigorous foundation in chemical engineering principles and strong communication skills that will enable them to pursue successful careers in a wide range of industrial, professional, and academic settings.
2. To produce graduates with the ability to adapt and innovate to meet future technological challenges and evolving regulatory issues, while addressing the ethical and societal implications of their work at both the local and global level.
3. To prepare graduates to function on interdisciplinary teams, assume participatory and leadership roles in professional societies, and interact with educational, community, state, and federal institutions.

Program Outcomes

These objectives are further expanded and detailed through eleven program student outcomes:

- **Program Outcome A: Scientific Knowledge.** Students graduating from the program will have the ability to apply knowledge of mathematics, physics, chemistry, biology, and chemical engineering to analyze chemical engineering processes (c3.a).
- **Program Outcome B: Chemical Engineering Process Experimentation.** Students graduating from the program will be able to design and conduct chemical engineering experiments, and analyze and interpret fundamental data of importance to the design and operation of chemical processes (c3.b).
- **Program Outcome C: Design Skills.** Students graduating from the program will have the ability to design and analyze new and existing chemical systems and processes to meet desired needs (c3.c).
- **Program Outcome D: Multidisciplinary Teams.** Students graduating from the program will have the ability to function on multidisciplinary teams (c3.d).
- **Program Outcome E: Problem Solving.** Students graduating from the program will have the ability to identify, formulate and solve chemical engineering problems (c3.e).
- **Program Outcome F: Professional and Ethical Responsibility.** Students graduating from the program will have an understanding of professional and ethical responsibility (c3.f).
- **Program Outcome G: Effective Communications and Team Participation.** Students graduating from the program will have the ability to communicate effectively (c3.g).
- **Program Outcome H: Global and Societal Impact of Chemical Engineering.** Students graduating from this program will have an understanding of the global and societal impact of chemical engineering practice (c3.h).
- **Program Outcome I: Lifelong Learning.** Students graduating from the program will be able to assess the need for, and engage in, lifelong learning (c3.i).
- **Program Outcome J: Contemporary Issues in Chemical Engineering.** Students graduating from this program will have an understanding of contemporary issues in chemical engineering (c3.j).
- **Program Outcome K: Modern Engineering Skills and Tools.** Students graduating from the program will be able to use the modern engineering skills and tools necessary for chemical engineering practice either in industry, or in pursuit of advanced education (c3.k).

Note: Identifiers beginning with c3, such as c3.a above, refer to specific outcomes in Criterion 3 of the ABET Engineering Criteria 2000. They indicate the ABET outcome that the Department of Chemical and Biomedical Engineering outcome addresses.

The department sees ABET Engineering Criteria 2000 as encouraging each engineering department to pursue its own unique BS degree program objectives in accordance with its own environment and stakeholder demands. ABET EC 2000 also stipulates that the outcomes of program implementation must be assessed and evaluated regularly, and the results of such assessments and evaluations must be utilized as needed in future program objectives and implementation.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in chemical and biomedical engineering satisfy this requirement by earning a grade of “C–” or higher in ECH 3854.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. MAC X311 or MAC X281
2. MAC X312 or MAC X282
3. MAC X313 or MAC X283
4. MAP X302 or MAP X305
5. CHM X045/X045L or CHM X045C, or CHS X440 and CHM X045L
6. CHM X046/X046L or CHM X046C
7. PHY X048/X048L or PHY X048C, or PHY X043 and PHY X048L
8. PHY X049/X049L or PHY X049C, or PHY X044 and PHY X049L

Undergraduate Laboratory and Computational Facilities

Undergraduate teaching laboratories in measurements and transport phenomena, unit operations, and process control are designed to augment classroom instruction. Our undergraduate chemical engineering laboratory experiments feature a twenty stage distillation column for the study of organic chemical separations, several reactor vessels for the design and analysis of batch and continuous reactor configurations, and a liquid/liquid continuous extraction process system, among others. All experiments include computer data control and data acquisition systems in order to provide a “real world” experience for our students.

The department has extensive computational and laboratory facilities in a number of areas. In addition to the University computing center facilities accessible by remote terminals, students have access to College of Engineering computer labs that have workstations connected to college-wide servers. Within the Department of Chemical and Biomedical Engineering, undergraduate students working on research projects utilize laboratory computer terminals connected to the college servers and workstations dedicated to research use. The department requires the use of computers for data acquisition, process control, experimental design and analysis, report writing, and homework problem calculations in the chemical engineering curriculum.

Areas of Study (Majors)

Although the department offers one Bachelor of Science degree (BS) in Chemical Engineering, students may choose from among three diverse areas of study that reflect new directions in the broader field of chemical engineering. These major options include chemical engineering, chemical-materials engineering, and biomedical engineering.

- **Chemical Engineering.** The most common major, it prepares students for employment or further study in traditional areas of chemical engineering (described above).

- **Chemical-Materials Engineering.** Chemical engineers have extensively developed and studied the molecular structures and dynamics of materials—including solids, liquids, and gases—in order to develop macroscopic descriptions of the behavior of such materials. In turn, these macroscopic descriptions have allowed the construction and analysis of unit processes that facilitate desired chemical and physical changes. This constant interplay between molecular scale understanding and macroscopic descriptions is unique and central to the field of chemical engineering.
- **Chemical-Biomedical Engineering.** Biomedical engineering concerns the application of chemical engineering principles and practices to large scale living organisms, most specifically human beings. As one of the newest sub-disciplines of chemical engineering, the field is a rapidly evolving one involving chemical engineers, biochemists, physicians, and other health care professionals. Biomedical research and development is carried out at universities, teaching hospitals, and private companies, and it focuses on conceiving new materials and products designed to improve or restore bodily form or function. Biomedical engineers are employed in diverse areas such as artificial limb and organ development, genetic engineering research, development of drug delivery systems, and cellular and tissue engineering. Many chemical engineering professionals are engaged in medical research to model living organisms (pharmacokinetic models), and to make biomedical devices (e.g., drug delivery capsules, synthetic materials, and prosthetic devices). Because of increasing interest in this field of study, the major in chemical-biomedical engineering also provides an avenue for students interested in pursuing a career in medicine, biotechnological patent law, or biomedical product sales and services.

Requirements for a BS Degree in Chemical Engineering

A program of study encompassing at least one hundred thirty-one semester hours is required for the Bachelor of Science (BS) degree in chemical engineering. A candidate for the Bachelor’s degree is required to earn a “C–” or higher in all engineering courses, and must achieve a 2.0 grade point average (GPA) in the forty-five semester hours of chemical engineering major courses. In addition, students must achieve a grade of “C–” or higher in all courses transferred into the Department of Chemical and Biomedical Engineering. Students should contact the department for the most up-to-date information concerning the chemical engineering curriculum requirements.

There are three majors within the chemical engineering Bachelor’s degree program. These include Chemical Engineering, Chemical-Materials Engineering, and Biomedical Engineering. Most of the curriculum is common to all three majors, and includes topics in liberal studies, mathematics, basic science, computer science, advanced chemistry, general engineering science, and chemical engineering science and design. History/social science and humanities/fine arts electives are to be selected to satisfy the Florida State University liberal studies requirement. Students in all three majors should successfully complete the following courses in addition to the liberal studies, other University, and College of Engineering requirements:

Math and Science Prerequisites

ECH 3301 Process Analysis and Design (4)

OR

MAP 2302 Ordinary Differential Equations (3) (transfer students only)

MAC 2311 Calculus with Analytic Geometry I (4)

MAC 2312 Calculus with Analytic Geometry II (4)

MAC 2313 Calculus with Analytic Geometry III (5)

BSC 2010 Biological Science I (3)

CHM 1045 General Chemistry I (3)

CHM 1045L General Chemistry I Laboratory (1)

CHM 1046 General Chemistry II (3)

CHM 1046L General Chemistry II Laboratory (1)

ECO 2023 Principles of Microeconomics (3)

PHY 2048C General Physics A (combined lecture/lab) (5)

PHY 2049C General Physics B (combined lecture/lab) (5)

Advanced Chemistry

CHM 2210 Organic Chemistry I (3)

CHM 2211 Organic Chemistry II (3)

CHM 4410 Physical Chemistry I (3)

CHM 4410L Physicochemical Measurements and Techniques I (1)

CHM XXXX Advanced Chemistry Elective (3-4) (not required for Biomedical

Engineering majors)

General Engineering

- EEL 3003 Introduction to Electrical Engineering (3) (not required for students taking BME 3009 in the Spring 2012 term and henceforth)
- EEL 3003L Introduction to Electrical Engineering Laboratory (1) (not required for students taking ECH 3301 in the Spring 2012 term and henceforth)
- EGM 3512 Engineering Mechanics (4)
- EGN 1004L First Year Engineering Lab (1)

Chemical Engineering Science and Design

- ECH 3023 Mass and Energy Balances I (3)
- ECH 3024 Mass and Energy Balances II (3)
- ECH 3101 Chemical Engineering Thermodynamics (3)
- ECH 3266 Transport Phenomena I (3)
- ECH 3274L Transport Phenomena Laboratory (3)
- ECH 3418 Separations Processes (3)
- ECH 3854 Chemical Engineering Computations (4)
- ECH 4267 Transport Phenomena II (3)
- ECH 4323 Process Control (3)
- ECH 4323L Process Control Laboratory (1)
- ECH 4404L Unit Operations Laboratory (3)
- ECH 4504 Kinetics and Reactor Design (3)
- ECH 4604 Chemical Engineering Process Design I (4)
- ECH 4615 Chemical Engineering Process Design II (3)
- ECH 4XXX Chemical Engineering Electives (6) (Chemical and Chemical-Materials Engineering Majors)

OR

- BME/ECH 4XXX Biomedical Engineering Elective (3) (Biomedical Engineering majors)

Major Requirements

In addition to the courses listed above that are required for all majors, the following courses are specifically required for each of the three majors.

Major in Chemical Engineering**Advanced Chemistry Elective**

The advanced chemistry elective is to be selected from the following courses offered in the Department of Chemistry and Biochemistry, or selected other courses in either chemical engineering or biological sciences specifically approved by the Chair of the Department of Chemical and Biomedical Engineering.

Select from one of the following choices:

1. CHM 3120/ CHM 3120L Introduction to Analytical Chemistry with Lab (2/2)
2. CHM 4080 Environmental Chemistry I (3)
3. CHM 4411 Physical Chemistry II (3)
4. CHM 2211L Organic Chemistry II Laboratory (3)
5. BCH 4053 General Biochemistry I (3)

Chemical Engineering Electives

The two chemical engineering electives (three semester hours each) are to be selected from the 4000-level elective courses offered in the Department of Chemical and Biomedical Engineering.

Note: A six credit-hour sequence in the Department's Undergraduate Research Program, consisting of the course designations ECH 4904 (ECH URP), ECH 4906 (ECH Honors in the Major), BME 4904 (BME URP), or BME 4906 (BME Honors in the Major), will substitute for this requirement.

Major in Chemical-Materials Engineering**Advanced Chemistry Elective**

- CHM 3120 Introduction to Analytical Chemistry (2)

AND

- CHM 3120L Introduction to Analytical Chemistry Lab (2)

Chemical Engineering Electives

Select from two of the following choices, at least one course of which must be from the Department of Chemical and Biomedical Engineering:

1. ECH 4823 Introduction to Polymer Science and Engineering (3)
2. ECH 4824 Chemical Engineering Materials (3)

3. ECH 4825 Polymer Process Engineering (3)
4. ECH 4937 Special Topics in Chemical Engineering [Electrochemical Engineering] (3)
5. PHY 3101 Modern Intermediate Physics (3)
6. EML 3234 Materials Science and Engineering (3)

(Note: EML 3234 can be taken only if ECH 4824 is not offered during the academic year.)

Note: A six credit hour sequence in the Department's Undergraduate Research Program, consisting of the course designations ECH 4904 (ECH - URP), ECH 4906 (ECH - Honors in the Major), will substitute for the Chemical Engineering Electives requirement.

Major in Biomedical Engineering**Psychology Liberal Studies Course**

- PSY 2012 General Psychology (3)

Biomedical Engineering Science and Design

- BME 3009 Introduction to Biomedical Engineering (3)
- BME 4403C, 4404C Quantitative Anatomy and Systems Physiology I and II [two course sequence] (3,3)

Biomedical Engineering Elective (take one)

- BME 4007 Biomedical Engineering (3)
- ECH 4743 Bioengineering (3)

Note: A six credit hour sequence in the Department's Undergraduate Research Program, consisting of the course designations BME 4904 (BME - URP), or BME 4906 (BME - Honors in the Major), will substitute for the Biomedical Engineering Elective requirement.

Pre-Med Electives (recommended)

- BCH 4053 General Biochemistry I (3)
- BSC 2011 Biological Science II (3)
- BSC 2011L Animal Diversity Laboratory (2)
- CHM 2211L Organic Chemistry II Lab (3)
- PCB 3063 General Genetics (3)
- PCB 3743 Vertebrate Physiology (3)

Academic Requirements and Policies

In accordance with ABET criteria, all engineering students are subject to a uniform set of academic requirements agreed upon by Florida State University and Florida A&M University. Students should consult the "FAMU-FSU College of Engineering" chapter of this *General Bulletin* and the Department of Chemical and Biomedical Engineering Web site (<http://www.eng.fsu.edu/cbe>) for a list of all academic requirements and policies.

Prerequisite Grade Requirements

In addition to the college course prerequisite requirements, the Department of Chemical and Biomedical Engineering requires students to have obtained a grade of at least "C-" in all courses listed as prerequisites for the department's engineering courses.

Undergraduate Research Program (URP)

The Department of Chemical and Biomedical Engineering offers an Undergraduate Research Program (URP) in chemical and biomedical engineering to encourage talented juniors and seniors to undertake independent and original research as part of the undergraduate experience. The program is two-tiered, with those students meeting a more stringent set of academic requirements being admitted to the Honors in the major (Chemical and Biomedical Engineering) program. For requirements and other information, contact the department, and see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Definition of Prefixes

- BME—Biomedical Engineering
 ECH—Engineering: Chemical
 EGN—Engineering: General

Undergraduate Courses

BME 3009. Introduction to Biomedical Engineering (3). Prerequisites: BSC 2010, MAC 2312, PHY 2048C, all with a grade of "C" or higher. Corequisites: MAC 2313 and PHY 2049C. This course presents an introduction to the field of biomedical engineering, building on previous basic coursework in biological science, physics, and calculus. Topics in cell physiology and modeling, bioinstrumentation, biomaterials, tissue engineering, and bioimaging are covered. The course provides sophomore-level biomedical engineering students with both fundamentals and applications in contemporary biomedical science and engineering.

BME 4007. Biomedical Engineering (3). Prerequisites: ECH 3274L, ECH 3418, and ECH 4267. Corequisites: ECH 4404L, ECH 4504, and ECH 4604. This course offers an introduction to the field of biomedical engineering, with emphasis on the role of general engineering. Topics cover hemodynamics, human physiology, pharmacodynamics, artificial organs, biomaterials, biomechanics, and clinical engineering.

BME 4082. Biomedical Engineering Ethics (3). Prerequisite: Senior or graduate standing in biomedical engineering. This course is an introduction to the key theories, concepts, principles, and methodology relevant to the development of biomedical professional ethics. The student is facilitated in his/her development of a code of professional ethics through written work, class discussion, and case analysis.

BME 4403C. Quantitative Anatomy and Systems Physiology I (3). Prerequisites: ECH 3023, ECH 3024, and ECH 3301, all with a grade of "C" or higher, as well as CHM 2211, PHY 2049C, and BSC 2010. Corequisites: ECH 3101, ECH 3266, ECH 3854, EGM 3512, and CHM 4410. This course, the first of a two-semester sequence, introduces engineering students to principles of anatomy and physiology of the human body. The lecture portion of the course focuses on relating fundamental biomedical engineering concepts to the human physiological system. The laboratory portion of the course involves a practical, in-depth study of the physical and chemical interrelationships in the form and function of all human anatomical and physiological subsystems.

BME 4404C. Quantitative Anatomy and Systems Physiology II (3). Prerequisites: BME 4403C, ECH 3101, ECH 3266, ECH 3854, EGM 3512, and CHM 4410. Corequisites: ECH 3274L and ECH 4267. This course, the second in a two-semester sequence, introduces engineering students to principles of anatomy and physiology of the human body. The lecture portion of the course focuses on relating fundamental biomedical engineering concepts to the human physiological system. The laboratory portion of the course involves a practical, in-depth study of the physical and chemical interrelationships in the form and function of all human anatomical and physiological subsystems.

BME 4801. Biomedical Engineering Process Design I (3). Prerequisites: BCH 4053 and BME 4404C. Corequisite: Senior standing. This course is the first of a two-semester sequence on the design of biomedical engineering processes and products. The first semester consists of introducing students to the principles of engineering economics and cost estimation techniques relating to principles of biomedical engineering design. Included is an introduction to computer-aided design calculations.

BME 4802. Biomedical Engineering Process Design II (3). Prerequisites: BCH 4053, BME 4403C, and BME 4801. Corequisite: Senior standing. This course is the second of a two-semester sequence on the design of biomedical engineering processes and products. The second term focuses on the actual design of a biomedical engineering process or product using computer-aided design calculations. This is the capstone senior design course in biomedical engineering. An individual design project is completed by each student.

BME 4904r. Undergraduate Research Project (1-3). Prerequisite: BME 4403C, CHM 4410, ECH 3101, ECH 3266, ECH 3854, a 3.0 GPA, and instructor permission. Corequisites: ECH 3274L, ECH 3418, and ECH 4267. This course involves the completion of an Honors Undergraduate Research Program (URP) for six hours with a minimum grade of "C". This program requires independent student research on a topic relevant to biomedical engineering and may be used to satisfy the Chemical Engineering Elective requirement. May be repeated to a maximum of six semester hours.

BME 4905r. Directed Individual Study (3). Prerequisite: department chair permission. This course offers a supervised program of study approved by the department chair. May be repeated within the same term to a maximum of twelve credit hours.

BME 4906r. Honors URP in Biomedical Engineering (1-3). Prerequisite: BME 4403C, CHM 4410, ECH 3101, ECH 3266, ECH 3854, a 3.2 GPA, and instructor permission. Corequisites: ECH 3274L, ECH 3418, and ECH 4267. This course involves the completion of an Honors Undergraduate Research Program (URP) for six hours with a minimum grade of "C". This program requires independent student research on a topic relevant to biomedical engineering and may be used to satisfy the Chemical Engineering Elective requirement. May be repeated to a maximum of six semester hours.

BME 4937r. Special Topics in Biomedical Engineering (3). Prerequisite: BME 4404C, ECH 3274L, ECH 3418, and ECH 4267. Corequisite: ECH 4504. This course emphasizes recent developments in the field of biomedical engineering. Selected readings are assigned by the instructor. Structure of the course varies by instructor and topic, but generally involve lectures and a final project on a topic in biomedical engineering. May be repeated within the same term to a maximum of twelve semester hours.

ECH 2050. Engineering Communications (2). Prerequisite: ENC 1101. Corequisite: EGN 1004L. This course includes techniques for effective oral communication in settings most frequently encountered by the practicing engineer. Speaking skills are applied in informal presentations, formal presentations, and interviews.

ECH 3023. Mass and Energy Balances I (3). Prerequisites: BSC 2010, CHM 1046, and MAC 2312. Corequisites: CHM 2210, MAC 2313, and PHY 2048C. This course covers mass and energy balances related to chemical process systems and measurements, as well as to the development of problem-solving methodologies in mass and energy balances.

ECH 3024. Mass and Energy Balances II (3). Prerequisites: CHM 2210, ECH 3023, MAC 2313, and PHY 2048C. Corequisites: ECH 3301 and PHY 2049C. This course is the second in a two-part series introducing the general concepts of chemical engineering. Applications of mass and energy balances are extended to include reactive systems, systems undergoing phase changes, and transient processes. MATLAB is used to demonstrate the use of a structured programming language for material and energy balances.

ECH 3101. Chemical Engineering Thermodynamics (3). Prerequisites: ECH 3023, ECH 3024, and ECH 3301, all with a grade of "C" or higher, as well as PHY 2049C. Corequisites: CHM 4410, ECH 3854, ECH 3266, and EGM 3512. This course exposes students to the basics of classical and solution thermodynamics, forming a link between the mass and energy balance courses and separations.

ECH 3266. Transport Phenomena I (3). Prerequisites: ECH 3023, ECH 3024, and ECH 3301, all with a grade of "C" or higher, as well as PHY 2049C. Corequisites: CHM 4410, ECH 3101, ECH 3854, and EGM 3512. This course examines integral balance equations for conservation of momentum, energy, and mass. Topics include: application to chemical processes involving fluid flow and heat and mass transfer; estimation of friction factors and of heat and mass transfer coefficients; pump selection and sizing; piping network analysis; and design of heat exchangers.

ECH 3274L. Transport Phenomena Lab (3). Prerequisites: CHM 4410, ECH 3101, ECH 3266, and ECH 3854. Corequisites: ECH 3418 and ECH 4267. This course enables students to design and conduct experiments on fluid mechanics and heat transfer; analyze and interpret data; apply spreadsheets, statistical methods, and process models; as well as gain proficiency in operating basic chemical-engineering equipment and instruments. Emphasis is placed on safety, professionalism, teamwork, and oral/written communication.

ECH 3301. Process Analysis and Design (4). Prerequisite: MAC 2312 with a grade of "C" or higher. Corequisites: ECH 3023 and MAC 2313. This course examines the development of process models for equilibrium and dynamic systems (including stage-wise processes) that arise in chemical engineering applications. It also includes analysis of process models using exact and approximate techniques.

ECH 3330. Statistical Approach to Process Improvement (3). Prerequisite: Completion of the academic requirements through the sophomore year in chemical engineering or in other engineering disciplines. This course covers ways to apply statistical process control and methods of planned experimentation to the design of products and processes, as well as to continuous quality improvement. Topics covered include control charts; process-capability studies; loss functions; acceptance sampling; design of experiments for screening studies and response-surface modeling; and analysis of variance. The course also introduces case studies in chemical processes, food engineering, and health care.

ECH 3418. Separations Processes (3). Prerequisites: ECH 3101, ECH 3266, ECH 3854, and CHM 4410. Corequisites: ECH 3274L and ECH 4267. This course examines the principles of equilibrium and transport-controlled separations. Topics include analysis and design of stagewise and continuous separation processes, including distillation, absorption, extraction, filtration, and membrane separations.

ECH 3854. Chemical Engineering Computations (4). Prerequisites: PHY 2040C and a grade of "C-" or better in ECH 3023, ECH 3024, and ECH 3301. Corequisites: ECH 3101, ECH 3266, EGM 3512, and CHM 4410. This course covers structured programming techniques, solutions of ordinary differential equations, as well as numerical techniques useful in the solution of chemical engineering processes, as follows: root-finding techniques, direct and iterative approaches for solving linear systems, linear and non-linear regression, interpolation, numerical differentiation and integration, and statistical analysis of data.

ECH 3949r. Cooperative Work Experience (0). (S/U grade only.) Prerequisite: Instructor permission. This non-credit, experiential learning course offers students an opportunity to gain "real world" on-the-job work experience related to a specific academic field of study. Students must register for this course through the FSU Career Center.

ECH 4267. Transport Phenomena II (3). Prerequisites: CHM 4410, ECH 3101, ECH 3266, and ECH 3854. Corequisites: ECH 3274L and ECH 3418. This course is the second in a two-semester sequence on transport phenomena. Emphasis is on critical analytical and mathematical skills for analyzing and applying fundamental concepts in transport phenomena (including fluid mechanics, heat transfer, and mass transfer), as well as on the analysis of similarities and differences among these three processes.

ECH 4323. Process Control (3). Prerequisites: ECH 4504 and ECH 4604. Corequisite: ECH 4615. This course is a systematic introduction to dynamic behavior and automatic control of industrial processes. Synthesis of feedback control loops for linear systems and synthesis of control structures.

ECH 4323L. Process Control Lab (1). Prerequisites: ECH 4504 and ECH 4604. Corequisite: ECH 4615. This lab is comprised of experiments designed to illustrate and apply control theory, measurement techniques, calibration, tuning of controls, characterization of sensors, and control circuits.

ECH 4404L. Unit Operations Lab (3). Prerequisites: ECH 3274L, ECH 3418, and ECH 4267. Corequisites: ECH 4504 and ECH 4604. This course involves preparing experimental plans and doing experimental work with unit operations equipment to meet specific objectives. Emphasis is on computer data analysis and on oral communication skills.

ECH 4504. Kinetics and Reactor Design (3). Prerequisites: ECH 3274L, ECH 3418, and ECH 4267. This course covers the following topics: homogeneous and heterogeneous reaction kinetics; analysis of batch, mixed, plug, and recycle reactors; analysis of multiple reactions and multiple reactors; reactor temperature control; and catalytic reactor design.

ECH 4604. Chemical Engineering Process Design I (4). Prerequisites: ECH 3274L, ECH 3418, and ECH 4267. Corequisites: ECH 4404L, ECH 4504, and ECO 2023. This course is the first in a two-semester sequence on the analysis, synthesis, and design of chemical processes, preparing students for engineering practice. Students integrate knowledge from prior courses with process economics, computer-aided design, engineering standards, and realistic constraints to solve open-ended process problems.

ECH 4615. Chemical Engineering Process Design II (3). Prerequisites: ECH 4504 and ECH 4604. Corequisites: ECH 4323 and ECH 4323L. This course is the second in a two-semester sequence on the analysis, synthesis, and design of chemical processes, and prepares students for engineering practice. Students integrate knowledge from prior courses with process economics, computer-aided design, engineering standards, and realistic constraints to the design of chemical-process facilities.

ECH 4743. Bioengineering (3). Prerequisites: ECH 3274L, ECH 3418, and ECH 4267. Corequisites: ECH 4404L, ECH 4504, and ECH 4604. This course is an introduction to the major principles of the life sciences (microbiology, biochemistry, biophysics, genetics) that are important for biotechnological applications. Extension of the chemical engineering principles of kinetics, reactor design, heat and mass transport, thermodynamics, process control, and separation processes to important problems in bioengineering.

ECH 4781. Chemical Engineering—Environmental (3). Prerequisites: ECH 3274L, ECH 3418, and ECH 4267. Corequisites: ECH 4404L, ECH 4504, and ECH 4604. This course is an introduction to applications of environmental engineering from a chemical engineering perspective. Thermodynamics, stoichiometry, chemical kinetics, transport phenomena, and physical chemistry are utilized in addressing pollution control and prevention processes. Analysis of particle phenomena, including aerosols and colloids. Applications of fundamentals to analyze gas and liquid waste treatment processes.

ECH 4800C. Distilled Spirits Processing and Properties (3). Prerequisites: Completion of sophomore-year academic requirements in chemical engineering, other engineering discipline, or in a related science; and instructor permission. This course involves the production of a distilled-spirit sample at a commercial facility, followed by an in-depth chemical analysis of the product through the use of sophisticated instrumentation located at a university chemistry laboratory in Scotland. This intensive course takes place over a two week period in which students are instructed in the operational procedure of the plant and given hands-on involvement in an actual production run. Lecture and laboratory sessions following the production run focus on a detailed chemical and physical analysis of the distilled spirit sample using spectroscopic, chromatographic, and NMR techniques.

ECH 4823. Polymer Science and Engineering (3). Prerequisites: ECH 3274L, ECH 3418, and ECH 4267. Corequisites: ECH 4404L, ECH 4504, and ECH 4604. This course offers an introduction to different types of polymers and their physical properties. Topics include major synthetic paths and reaction kinetics, properties of macromolecules in solution, methods of molecular weight determination, and the role of phase transitions in amorphous and crystalline polymers.

ECH 4824. Chemical Engineering—Materials (3). Prerequisites: ECH 3274L, ECH 3418, and ECH 4267. Corequisites: ECH 4404L, ECH 4504, and ECH 4604. This course is an introduction to materials science and engineering from a chemical engineering perspective. Fundamentals of engineering materials, including polymers, metals, and ceramics are studied. Emphasis is placed on the strong interrelationship between materials structure and composition, synthesis and processing, and properties and performance.

ECH 4825. Polymer Process Engineering (3). Prerequisites: ECH 3274L, ECH 3418, and ECH 4267. Corequisites: ECH 4404L, ECH 4504, and ECH 4604. This course explores polymeric systems, interrelationships between material properties, processing conditions, and final properties with an emphasis on viscoelastic rheological behavior of polymer melts, concentrated solutions, and the relationship to the processing operations.

ECH 4904r. Undergraduate Research Project in Chemical Engineering (1–3). Prerequisites: CHM 4410, ECH 3101, ECH 3266, ECH 3854, a 3.0 GPA, and instructor permission. Corequisites: ECH 3274L, ECH 3418, and ECH 4267. This course involves the completion of an Honors Undergraduate Research Program (URP) for six hours with a minimum grade of “C”. This program requires independent student research on a topic relevant to biomedical engineering and may be used to satisfy the Chemical Engineering Elective requirement. May be repeated to a maximum of six semester hours.

ECH 4905r. Directed Individual Study (1–3). Prerequisite: Permission of department chair. This is a supervised program of study. May be repeated to a maximum of twelve semester hours.

ECH 4906r. Honors—URP in Chemical Engineering (1–3). Prerequisites: BME 4403C, CHM 4410, ECH 3101, ECH 3266, ECH 3854, a 3.2 GPA, and instructor permission. Corequisites: ECH 3274L, ECH 3418, and ECH 4267. This course involves the completion of an Honors Undergraduate Research Program (URP) for six hours with a minimum grade of “C”. This program requires independent student research on a topic relevant to biomedical engineering and may be used to satisfy the Chemical Engineering Elective requirement.

ECH 4937r. Special Topics in Chemical Engineering (3). Prerequisites: ECH 3274L, ECH 3418, and ECH 4267. Corequisite: ECH 4504. This course covers selected topics in chemical engineering with emphasis on contemporary developments in the field. May be repeated within the same term to a maximum of twelve semester hours.

EGN 3032. Engineering Ethics (3). Prerequisite: EGN 1004L. This course introduces the key theories, concepts, principles, and methodology relevant to the development of professional engineering ethics. Students are guided in their development of a code of professional ethics through written work, class discussion, and case analysis.

BME 5910. Supervised Research (3). (S/U grade only.)
BME 5935r. Biomedical Engineering Seminar (0). (S/U grade only.)
BME 5937r. Special Topics in Biomedical Engineering (3).
BME 6530. NMR and MRI Methods in Biology and Medicine (3).
BME 6938r. Special Topics in Biomedical Engineering (3).
ECH 5052. Research Methods in Chemical Engineering (3).
ECH 5126. Advanced Chemical Engineering Thermodynamics I (3).
ECH 5261. Advanced Transport Phenomena I (3).
ECH 5262. Advanced Transport Phenomena II (3).
ECH 5526. Advanced Reactor Design (3).
ECH 5740. Fundamentals of Biomolecular Engineering (3).
ECH 5828. Introduction to Polymer Science and Engineering (3).
ECH 5840. Advanced Chemical Engineering Mathematics I (3).
ECH 5841. Advanced Chemical Engineering Mathematics II (3).
ECH 5852. Advanced Chemical Engineering Computations (3).
ECH 5905r. Directed Individual Study (1–3).
ECH 5910. Supervised Research (3). (S/U grade only.)
ECH 5934r. Special Topics in Chemical Engineering (3).
ECH 5935r. Chemical Engineering Seminar (0). (S/U grade only.)
ECH 6272. Molecular Transport Phenomena (3).

For listings relating to graduate course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

CHEMICAL PHYSICS: see *Graduate Bulletin*

Graduate Courses

BME 5086. Biomedical Engineering Ethics (3).
BME 5620. Biophysical Chemistry and Biothermodynamics (3).
BME 5905r. Directed Individual Study (1–3).

Department of CHEMISTRY AND BIOCHEMISTRY

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://www.chem.fsu.edu/>

Chair: Timothy M. Logan; **Associate Chairs:** Gregory B. Dudley, Mark Kearley, Michael Shatruck; **Professors:** Alabugin, Bruschweiler, Cooper, Cross, Dalal, Dorsey, Holton, Krafft, Kroto, Li, Logan, Marshall, Mattoussi, Saltiel, Sang, Schlenoff, Steinbock, Stiegman, Strouse; **Associate Professors:** Dudley, Goldsby, Hilinski, Latturmer, McQuade, Miller, Yang, Zhu; **Assistant Professors:** Knappenberger, Roper, Saha, Shatruck, Stagg; **University Professor:** Kasha; **Honors Lecturer:** Kearley; **Coordinator of General Chemistry Laboratories:** Dillon; **Coordinator of Organic Laboratories:** Profeta; **Professors Emeriti:** Choppin, Clark, DeTar, Dougherty, Fulton, Herz, Johnsen, Light, Linder, Mellon, Saffron, Schwartz, Sheline, Vickers; **Professors Emerita:** Gilmer, Hoffman

The Department of Chemistry and Biochemistry offers the undergraduate degrees of Bachelor of Science (BS) and Bachelor of Arts (BA) in chemistry, biochemistry, and chemical science. Students seeking BS or BA degrees in chemistry may major in chemistry or environmental chemistry. Students seeking BS or BA degrees in chemical science may major in chemical science or chemical science/FSU-Teach. Please note that a student cannot receive more than one BS or BA degree from the Department of Chemistry and Biochemistry. For example, a student cannot double major in chemistry and biochemistry, due to substantial course overlap between the two majors.

A degree in chemistry or biochemistry is suitable preparation for a variety of career choices, including immediate employment in the chemical, biochemical, environmental, or related industries, or graduate study in chemistry, biochemistry, chemical physics, biophysics, medicine, or other health-related fields. Chemistry majors should take note of the possibility of earning certification by the American Chemical Society in completing their degree requirements. Details of this program are given below. Additional work in mathematics and physics is appropriate for students planning to conduct graduate work in physical chemistry and chemical physics. For those interested in graduate work in biochemistry or biophysics, the baccalaureate degree in biochemistry or the degree in chemistry with electives including BCH 4053, 4054, and selected biology courses is recommended. Students interested in careers in the environmental sciences, ecology and ecosystem management, and environmental toxicology are encouraged to obtain the chemistry degree with a major in environmental chemistry. In every case students should plan their programs in consultation with an academic adviser. Normally students begin taking courses required for the major in the first year, and it is important to consult with a chemistry adviser as early as possible.

The baccalaureate degree in chemical science is offered to meet the needs of those students whose career goals lie outside chemistry but require a strong foundation in science. This program is appropriate, for example, for a student interested in forensic science, medical technology, oceanography, the earth sciences, or health-allied sciences, or for students planning a career in business, public policy, or law with an emphasis in science and/or technology. Compared to the other degree programs in this department, chemical science has a smaller core of required courses to which students are expected to add elective work in other areas after consultation with their adviser. Students interested in teaching chemistry in middle school or high school should consider majoring in chemical science/FSU-Teach; the FSU-Teach Program is described below. The chemical science degree is not appropriate for students interested in graduate study in chemistry or closely related disciplines such as biochemistry, environmental chemistry, or marine chemistry, or for students seeking employment in the chemical industry immediately upon graduation.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in chemistry, biochemistry, and chemical science satisfy this requirement by earning a grade of "C-" or higher in CHM 3120L. Undergraduate majors in chemical science/FSU-Teach satisfy this requirement by earning a grade of "C-" or higher in CHM 3120L or ISC 3523.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at ei-

ther a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.fvc.org/fvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

Chemistry

1. CHM X045/X045L, or CHM X040 and CHM X041, or CHM X045C
2. CHM X046/X046L or CHM X046C
3. MAC X311 or MAC X281
4. MAC X312 or MAC X282
5. CHM X210/X210L and CHM X211/X211L, or CHM X210C and CHM X211C
6. PHY X048/X048L and PHY X049/X049L, or PHY X048C and PHY X049C, or PHY X053/X053L and PHY X054/X054L, or PHY X053C and PHY X054C

Note: The PHY X048/X049 sequence is required for the Bachelor in Science degree; it is an option for the Bachelor in Arts degree. The PHY X053/X054 sequence is not accepted for the Bachelor in Science degree.

Biochemistry

1. BSC X010/X010L or BSC X010C or BSC X040/X040L or BSC X040C
2. BSC X011/X011L or BSC X011C or BSC X041/X041L
3. CHM X045/X045L or CHM X045C, or CHM X040 and CHM X041
4. CHM X046/X046L or CHM X046C
5. CHM X210/X210L or PHY X048/X048L or PHY X053/X053L
6. CHM X211/X211L or PHY X049/X049L or PHY X054/X054L
7. MAC X312

Note: Although MAC X312 is required for the degree, students may be admitted prior to completion of this course

8. MAC X311 or MAC X233 or MAC X253 or MAC X281

Chemical Science

1. CHM X045/X045L, or CHM X040 and CHM X041, or CHM X045C
2. CHM X046/X046L or CHM X046C
3. MAC X311 or MAC X281
4. CHM X210/X210L and CHM X211/X211L, or CHM X210C and CHM X211C

Chemical Science FSU-Teach

1. CHM X045/X045L, or CHM X040 and CHM X041, or CHM X045C
2. CHM X046/X046L or CHM X046C
3. MACX311 or MAC X281
4. CHM X210/X210L and CHM X211/X211L, or CHM X210C and CHM X211C
5. SMT X043
6. SMT X053

Note: Transfer students will be able to take STM X043 and STM X053 when admitted to upper division.

Honors in the Major

The Department of Chemistry and Biochemistry offers Honors in the Major to encourage students to undertake independent and original research. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*, or the departmental Web site at <http://www.chem.fsu.edu>.

FSU-Teach Program in Teaching Chemistry

For those also interested in teaching chemistry in middle school or high school, FSU-Teach is an innovative approach to teacher education that involves a collaboration between scientists, mathematicians, and education faculty at Florida State University. In FSU-Teach, students will acquire knowledge in science or mathematics and the skill and experience needed to be an effective science or math teacher. The program will pay for tuition for the first

two courses, and work study positions with scientists, mathematicians and local schools are available. For more information, see the FSU-Teach Web site at <http://FSU-Teach.fsu.edu>.

Requirements

Please review all college-wide degree requirements, including the foreign language requirement, summarized in the "College of Arts and Sciences" chapter of this *General Bulletin*.

The Bachelor of Arts (BA) degree can be obtained by completion of the Bachelor of Science (BS) degree requirements plus additional courses required by the University as set forth in the "Undergraduate Degree Requirements" chapter of this *General Bulletin*.

Current majors in the Department of Chemistry and Biochemistry are generally discouraged from taking courses required for the major as transient students unless taken over the summer, in order to meet milestones in their MAP. All upper-level chemistry courses (i.e. courses at the 3000 or 4000 level) applied toward any of the department's majors must be taken at Florida State University, unless specifically exempted by the chair by written request. Students planning to transfer to Florida State University, either as a transfer or transient student, should make note of this requirement.

Prospective majors should note the mathematics and physics requirements. To allow optimal flexibility in planning the upper-division programs, fulfillment of the mathematics requirements should be started in the freshman year. Chemistry, biochemistry, and environmental chemistry majors are required to take General Physics A and B (PHY 2048C and PHY 2049C) as preparation for Physical Chemistry I and II (CHM 4410 and CHM 4411). Chemical science majors may meet the physics requirement with either the calculus-based or non-calculus-based (PHY 2053C and PHY 2054C) physics sequence.

The calculus courses required for the chemistry major constitute a minor in mathematics, and no other minor is necessary. The biology courses required for the baccalaureate degree in biochemistry constitute a minor in biological sciences, and no additional minor is necessary. The two courses in calculus (MAC 2311 and MAC 2312) and the two calculus-based physics courses (PHY 2048C and PHY 2049C) required for the environmental chemistry major constitute an interdepartmental minor approved by the Department of Chemistry and Biochemistry. This interdepartmental minor may be used for the chemical science majors who substitute calculus-based physics for the required non-calculus-based physics. Otherwise the baccalaureate degree in chemical science must include a minor of at least twelve semester hours in an approved minor field. No courses used for satisfying liberal studies requirements may also be counted toward the minor.

Final clearance for all majors is made by the Department of Chemistry and Biochemistry. Students graduating must complete an exit survey, without which the department will not approve graduation.

Academic Performance

No required course in which a student has earned a grade below "C-" may be applied toward any of the degrees in chemistry. Students must also make a "C-" or better in the first semester of a year-sequence course (or obtain the instructor's permission) to continue the sequence.

A student who has received more than two unsatisfactory grades (U, F, D-, D, D+) in the following courses will not be permitted to graduate with a degree offered by the Department of Chemistry and Biochemistry: CHM 1045, CHM 1045L, CHM 1046, CHM 1046L, CHM 2210, MAC 1105, MAC 1114, MAC 1140, MAC 2311. This rule applies whether these courses are taken at Florida State University or elsewhere, and it includes repeated unsatisfactory grades in the same course.

A student who has received more than five unsatisfactory grades (U, F, D-, D, D+) **total** in science or mathematics courses (and their prerequisites) required for any major offered by the Department of Chemistry and Biochemistry, taken at Florida State University or elsewhere, including repeated unsatisfactory grades in the same required course, will not be permitted to graduate with a degree in that major.

Baccalaureate Degree in Chemistry

Major in Chemistry

Complete the two-semester sequences in general chemistry (CHM 1045, 1045L, 1046, 1046L, or CHM 1050, 1050L, 1051, 1051L); organic chemistry (CHM 2210, 2211, 2211L); analytical chemistry (CHM 3120, 3120L, 4130, 4130L); physical chemistry (CHM 4410, 4410L, 4411, 4411L); and one semester of inorganic chemistry (CHM 4610) and the associated laboratory (CHM 4610L). Also required are mathematics through calculus III and two semesters

of calculus-based physics. The physics and math requirements should be met before taking physical chemistry. **Biochemistry, environmental chemistry, and chemical science majors cannot double major in chemistry.**

Major in Environmental Chemistry

Complete the two-semester sequences in general chemistry (CHM 1045, 1045L, 1046, 1046L, or CHM 1050, 1050L, 1051, 1051L); organic chemistry (CHM 2210, 2211, 2211L); analytical chemistry (CHM 3120, 3120L, 4130, 4130L); physical chemistry (CHM 4410, 4410L, 4411, 4411L); and two semesters of advanced work in chemistry of the environment, including some aspects of aquatic, atmospheric, and geological chemistry. Field work and modeling in environmental systems are encouraged as a part of this advanced work. A list of appropriate courses that satisfy the advanced chemistry of the environment requirement may be obtained from the environmental chemistry adviser or the departmental Web site. Also required are mathematics through calculus II, two semesters of calculus-based physics, two semesters of either biology or geology (at least one of these courses must include a lab), and one semester of computer programming, numerical modeling, advanced statistics, or calculus III. Calculus III is recommended as preparation for physical chemistry. The physics and math requirements should be met before taking physical chemistry. **Chemistry, biochemistry, and chemical science majors cannot double major in environmental chemistry.**

American Chemical Society Certification

Students obtaining the baccalaureate degree in chemistry may obtain certification from the American Chemical Society (ACS). Certification requires completion of the core chemistry curriculum listed above, plus BCH 4053 or BCH 4624 and one additional upper-level chemistry course. Independent research taken as CHM 4905r, Directed Individual Study, or 4906r, Honors Work, may be counted as the upper-level chemistry course, provided that a final report is written by the student and approved by the supervising faculty, and a copy of the report submitted to the Student Affairs Office. Students planning to obtain ACS certified degrees should have their program of studies approved by an adviser in the department.

Baccalaureate Degree in Biochemistry

Students must complete the two semester sequences in general chemistry (CHM 1045, 1045L, 1046, 1046L, or CHM 1050, 1050L, 1051, 1051L); organic chemistry (CHM 2210, 2211, 2211L); analytical chemistry (CHM 3120, 3120L, 4130, 4130L); physical chemistry (CHM 4410, 4411); and biochemistry (BCH 4053, 4054) along with **one** of the following laboratories: physical chemistry (CHM 4410L and 4411L), biochemistry (BCH 4053L), or honors research (CHM 4906r). Mathematics through calculus II and two semesters of calculus-based physics are also required and should be completed before taking physical chemistry. Calculus III is recommended as preparation for physical chemistry. Further, the following biology courses are required: general biology (BSC 2010, 2010L, 2011, 2011L), genetics (PCB 3063), and a biology elective from a list obtained from the biochemistry adviser or the departmental Blackboard site. **Chemistry, environmental chemistry, and chemical science majors cannot double major in biochemistry.**

Baccalaureate Degree in Chemical Science

Major in Chemical Science

Students must complete the two-semester sequences in general chemistry (CHM 1045, 1045L, 1046, 1046L, or CHM 1050, 1050L, 1051, 1051L); organic chemistry (CHM 2210, 2211, 2211L); analytical chemistry (CHM 3120, 3120L, 4130, 4130L); physical chemistry (CHM 3400 or both CHM 4410 and 4411); mathematics through calculus I; and a two-semester sequence in physics, either with or without the use of calculus. **Chemistry, biochemistry, and environmental chemistry majors cannot double major in Chemical Science.**

Major in Chemical Science/FSU-Teach

Students must complete the two-semester sequences in general chemistry (CHM 1045, CHM 1045L, CHM 1046, CHM 1046L, or CHM 1050, CHM 1050L, CHM 1051, CHM 1051L); organic chemistry (CHM 2210, CHM 2211, CHM 2211L); plus at least one semester of analytical chemistry (CHM 3120, CHM 3120L); physical chemistry (CHM 3400 or both CHM 4410 and CHM 4411); inorganic chemistry (CHM 4610); biochemistry (BCH 3023C or BCH 4053); as well as one or more of the following electives for at least three credit hours: Advanced Analytical Chemistry (CHM 4130), Environmental Chemistry I (CHM 4080), Directed Individual Study (CHM 4905r), or Honors Research (CHM 4906r). Mathematics through calculus I; a two-semester sequence in physics, either with or without the use of calculus; and Science,

Technology and Society (ISC 3076) are also required. Chemistry, biochemistry, and environmental chemistry majors must receive permission from the department to double major in Chemical Science/FSU-Teach. Students in the FSU-Teach Program must also complete a Science Teaching major; for more information, see the FSU-Teach Web site at <http://FSU-Teach.fsu.edu>.

Suggested Specialized Electives for Chemical Science

Medicine

Students intending to study medicine are advised to satisfy the minimum requirements with BSC 2010, 2010L, 2011, 2011L; PCB 3063; and the four credit hour premedical Human Biochemistry (BCH 4624) course. Vertebrate Physiology (PCB 3743) is a recommended elective. Furthermore, calculus II, the calculus-based physics courses, and certain other upper-level biology courses may provide additional preparation for the MCAT and subsequent coursework in medical school. These students should prepare programs of study in consultation with advisers in the Department of Chemistry and Biochemistry and with the College of Medicine.

Forensic Science

Students intending to pursue a career in forensic science may choose to major in chemical science with the addition of the following courses: BSC 2010, 2010L, 2011, 2011L and a biochemistry course with lab (BCH 3023C, or BCH 4053 and BCH 4053L). Certain government agencies (e.g. the FBI) may recommend a background in accounting.

Oceanography

Students intending to specialize in oceanography are advised to include OCE 4011 in the program of studies, along with selected electives in biological and earth sciences (e.g., GLY 4240; OCC 5050).

Business

The baccalaureate degree in chemical science with a minor in business can prepare students for management and marketing positions in the chemical and other technical industries and also provide a strong technical background for students interested in entering programs such as that for the Master of Business Administration (MBA) degree. Suggested minor courses are at least one course each in accounting, management, marketing, and finance and one or more business electives. In addition, courses in economics and behavioral science (satisfying liberal studies social sciences requirement) and in computer programming, statistics, and written composition beyond basic English are recommended. Consult with an adviser in the Department of Chemistry and Biochemistry and with a representative of the College of Business in preparing a specific program.

Requirements for a Minor in Chemistry

The requirements for a minor in chemistry include the two-semester sequence in general chemistry (CHM 1045, 1045L, 1046, 1046L, or CHM 1050/1050L, 1051/1051L) and at least one of the following course sequences: CHM 2210–2211, CHM3120–3120L, CHM 4410–4411. A minimum of twelve semester hours is required. Grades below “C–” will not be accepted for minor credit.

Advanced Placement in Chemistry

Students with an Advanced Placement (AP) score of 3 will receive four semester hours of credit in CHM 1020 and 1020L; an AP score of 4 earns the student credit for CHM 1045 and 1045L; an AP score of 5 earns the student credit for CHM 1045, 1045L, 1046, and 1046L. Students with an AP score of 3 are eligible to take a departmental placement exam for CHM 1045 and 1045L.

International Baccalaureate Diploma

International Baccalaureate (IB) diploma holders with a score of 4 will receive three semester hours of credit in CHM 1020C. Those with a score of 5 or higher will earn credit for CHM 1020 (two hours) and 1045/1045L (four hours).

Policy on Reduced Credit

Students may* register for reduced credit if CHM 1032 is taken after passing CHM 1020, if CHM 1045 is taken after passing CHM 1020, or if CHM 1045 is taken after passing CHM 1032, as indicated in the following table:

Sequence of Lecture Courses Taken:	Semester Hours Awarded for Each Course:		
	CHM 1020	CHM 1032	CHM 1045
CHM 1020 only	3	—	—
CHM 1032 only	—	3	—
CHM 1045 only	—	—	3
CHM 1020, then 1032	3	2	—
CHM 1020, then 1045	3	—	2
CHM 1020, then 1032, then 1045	3	2	1
CHM 1032, then 1045	—	3	2

CHM 1020 only	3	—	—
CHM 1032 only	—	3	—
CHM 1045 only	—	—	3
CHM 1020, then 1032	3	2	—
CHM 1020, then 1045	3	—	2
CHM 1020, then 1032, then 1045	3	2	1
CHM 1032, then 1045	—	3	2

* Students seeking admission to professional programs such as medicine or pharmacy should not take courses for reduced credit.

Note: CHM 1020 and 1032 are not preparatory courses for CHM 1045 and should not normally be taken prior to beginning the general chemistry sequence.

Definition of Prefixes

BCH—Biochemistry (Biophysics)

CHM—Chemistry

ISC—Interdisciplinary Sciences

PSC—Physical Sciences

SCE—Science Education

Undergraduate Courses

General Chemistry

CHM 1020. Chemistry for Liberal Studies (3). This course introduces basic chemical principles without an extensive use of mathematics and illustrates with applications in health, energy, and the environment. This course strives to show chemistry as a human endeavor that provides insight into the natural world and informs our decisions as citizens and consumers. Specific topics vary by semester. Designed as a course for students who wish to fulfill the liberal studies science requirement with chemistry and will take no further chemistry courses, not as a preparatory course for CHM 1045. Credit is not allowed for CHM 1020 after taking CHM 1032, 1045, or equivalent.

CHM 1020L. Chemistry for Liberal Studies Laboratory (1). Prerequisite or Corequisite: CHM 1020. This laboratory emphasizes major topics from CHM 1020 relating chemistry concepts and techniques to everyday life experiences. This laboratory-based course meets two hours a week. No credit allowed after taking CHM 1045.

CHM 1032. Survey of General Chemistry (3). Prerequisite: MAC 1105 with a grade of “C–” or better or placement beyond MAC 1105. Lecture, three hours; recitation, one hour. This lecture-based course is the first course in general chemistry for students in nursing, nutrition and fitness, and other areas requiring a short course leading to CHM 2200. Students taking CHM 1032 after taking CHM 1020 may register for reduced credit; see Policy on Reduced Credit.

CHM 1045. General Chemistry I (3). Prerequisite: MAC 1105 with a grade of “C–” or better or placement beyond MAC 1105. Lecture, three hours; recitation, one hour. This course includes topics such as chemical symbols, formulas, and equations; states of matter; reactivity in aqueous solution; electronic structure, bonding, and molecular geometry. Students taking CHM 1045 after taking CHM 1020 and/or CHM 1032 may register for reduced credit, as indicated in the department’s policy on reduced credit.

CHM 1045L. General Chemistry I Laboratory (1). Corequisite: CHM 1045. This laboratory offers an introduction to quantitative techniques and to the chemical laboratory. Topics include stoichiometry, atomic spectra, gases, as well as acids and bases. Safety goggles and a scientific calculator are required for every class. Lab meets three hours a week.

CHM 1046. General Chemistry II (3). Prerequisites: CHM 1045 and 1045L or CHM 1050 and 1050L, all with a grade “C–” or better. Lecture, three hours; recitation, one hour. This course includes topics such as intermolecular forces, chemical kinetics, equilibrium, acids and bases, elementary thermodynamics, and electrochemistry.

CHM 1046L. General Chemistry II Laboratory (1). Corequisite: CHM 1046. This laboratory is a continuation to the introduction of quantitative techniques. Topics include solution equilibria; acid/base chemistry; as well as oxidation, reduction, and electrochemical cells. Safety goggles and a scientific calculator are required for every class. Lab meets three hours a week.

CHM 1050. Honors General Chemistry I (3). Prerequisites: MAC 1105 with a grade of “C–” or better or placement beyond MAC 1105. Corequisite: CHM 1050L. Lecture. This course is a first general chemistry course for honors students. Topics include kinetic theory, atomic theory of matter, atomic structure and the periodic chart, condensed phases, introductory chemical bonding.

CHM 1050L. Honors General Chemistry I Laboratory (1). Corequisite: CHM 1050. Laboratory, three hours. This laboratory is an introduction to quantitative techniques and chemical laboratory. Topics include stoichiometry, atomic spectra, gases, and acids and bases. Safety goggles and scientific calculator are required for every laboratory.

CHM 1051. Honors General Chemistry II (3). Prerequisites: CHM 1050 and 1050L, each with a grade of “C–” or better, or CHM 1045 and 1045L, each with a grade of “C–” or better and instructor permission. Corequisite: CHM 1051L. Lecture. This course is a continuation of general chemistry for honors students. Topics include solution equilibria; acid/base chemistry; oxidation, reduction, and electrochemical cells; chemical analysis; hydrides and oxides of the elements; kinetics; advanced bonding and structure.

CHM 1051L. Honors General Chemistry II Laboratory (2). Corequisite: CHM 1051. Laboratory conference, one hour; laboratory, five hours. This laboratory is an opportunity for research-based special projects. Safety goggles and scientific calculator are required for every laboratory.

CHM 3930r. Special Topics in Chemistry (1–3). May be repeated to a maximum of three semester hours.

CHM 4090L. Science Glassblowing (1). Laboratory, one hour. Restricted to advanced science majors. This course is laboratory instruction of fundamental glassblowing techniques of greatest utility to the experimental scientist who may require custom glassware.

CHM 4905r. Directed Individual Study (3). Prerequisites: Upper class standing, “B” average in chemistry courses, and approval of the faculty supervisor. May be repeated to a maximum of eighteen semester hours.

CHM 4906r. Honors Work (1–6). This course is for Honors in the Major work only. May be repeated to a maximum of nine hours.

ISC 3076. Science, Technology, and Society (3). Prerequisite: Junior standing or instructor permission. This course examines interrelations among science, technology, and society. Science is considered as an enterprise in modern society that produces technological advances and new perspectives on reality. This course cannot be used as credit toward a major or a minor in a science department.

PSC 2801C. Physical Science for EC/EE Teachers (4). This course is designed for prospective elementary and early childhood education majors. The course integrates physics and chemistry. The course includes laboratory exercises. Students will work in groups in a hands-on, minds-on approach to learning physical science.

SCE 4939r. Seminar in Contemporary Science, Mathematics, and Science Education (1). This course includes presentations of contemporary and interesting issues in science, mathematics, or teaching methods. Content varies from semester to semester. May be repeated to a maximum of four semester hours.

Analytical Chemistry

CHM 3120. Analytical Chemistry I (3). Prerequisite: CHM 1046 and CHM 1046L, each with a grade of “C–” or better. Lecture three hours per week. This first course in analytical chemistry covers statistical analysis of analytical data, acid-base equilibria, acid-base titrations, electrochemistry, analytical separations, as well as atomic and molecular optical spectroscopy.

CHM 3120L. Analytical Chemistry I Laboratory (1). Corequisite: CHM 3120. This course is the laboratory portion of Analytical Chemistry I. Experiments include: potentiometric titration of acid mixtures, spectrophotometric determination of pH, spectrophotometric determination of iron in drinking water, lithium by flame emission, fluoride ion-selective electrodes, copper in metal alloys by liquid-liquid extraction, and quantitative analysis of hydrocarbons by gas chromatography.

CHM 4080. Environmental Chemistry I (3). Prerequisites: CHM 1046, CHM 1046L, and CHM 3120, each with a grade of “C–” or better. This course focuses on the application of geologic and geochemical principles to environmental issues. Topics include: an evaluation of contaminants in surface and ground water; hydrocarbon geochemistry and petroleum contamination; waste management, including solid, toxic and nuclear waste; air quality issues, including radon and asbestos; geologic hazards in upland and coastal areas; environmental methods and instrumentation, quality assurance and quality control in environmental analysis; principles of toxicology; risk assessment and risk management.

CHM 4081. Environmental Chemistry II (3). Prerequisite: CHM 2211 with a grade of “C–” or better. This course studies the organic geochemistry of natural waters and sediments. It offers an overview of the sources of organic matter in aquatic systems, the important reactions and transport mechanisms that control the biochemical cycling of organic carbon in these systems, and the impact of naturally-occurring organic carbon on environmental and ecological processes. Attention is also devoted to anthropogenic (xenobiotic) organic molecules. It also discusses how analytical techniques such as ¹³C NMR, mass spectroscopy, and capillary electrophoresis provide useful organic biogeochemical information.

CHM 4130. Advanced Analytical Chemistry (3). Prerequisites: CHM 3120 and CHM 3120L, each with a grade of “C–” or better, as well as PHY 2048C or PHY 2053C with a grade of “C–” or better. Corequisite: CHM 4410. This course covers data analysis, laboratory computers, atomic and molecular optical spectroscopy, nuclear-magnetic resonance spectroscopy, chromatography and electrophoresis, electrochemistry, and mass spectrometry.

CHM 4130L. Advanced Analytical Chemistry Laboratory (1). Corequisite: CHM 4130 (recommended before CHM 4130L). This course is the laboratory portion of CHM 4130, Advanced Analytical Chemistry. Experiments include: signal enhancement by filtering and ensemble averaging, flame spectroscopy determination of Li and Mg, spectrofluorometric determination of quinine, UV-visible spectroscopy, high-performance liquid chromatography (HPLC) simulations, Raman spectroscopy, solvent extraction and gas chromatography, as well as HPLC determination of analgesics. It is recommended that students complete CHM 4130 with a grade of “C–” or better before taking CHM 4130L, although the courses can be taken simultaneously.

Biochemistry

BCH 3023C. Introduction to Biochemistry (3). Prerequisite: CHM 2200 with a grade of “C–” or better. Lecture, two hours; laboratory, three hours, alternating with one hour recitation. This course is a survey of modern biochemistry with special emphasis on those concepts that might be of use to nutrition and food scientists.

BCH 4053. General Biochemistry I (3). Prerequisite: CHM 2210 with a grade of “C–” or better. Corequisite: CHM 2211. This course is the first course required for biochemistry majors; it is also recommended for other majors who intend to study advanced biochemistry. Topics to be covered include protein structure, protein function, membranes, enzyme catalysis, bioenergetics, carbohydrate metabolism, and lipid metabolism. This lecture-based course meets three hours a week.

BCH 4053L. General Biochemistry I Laboratory (3). Corequisite: BCH 4053. Laboratory conference, one hour; laboratory, six hours. This lab explores laboratory methods in biochemistry including electrophoresis, chromatography, cell fractionation, enzyme assays, ligand interactions, and recombinant DNA technology.

BCH 4054. General Biochemistry II (3). Prerequisite: BCH 4053 with a grade of “C–” or better. This course is the second course required for biochemistry majors; it is also recommended for other majors who intend to study advanced biochemistry. Topics include quantitative analysis of assembly and mechanisms of molecular machines involved in metabolic and information transfer processes, how proteins bind proteins, nucleic acids, and ligands, as well as the methods for characterizing structures and interactions. This lecture-based course meets three hours a week.

BCH 4624. Human Biochemistry (4). Prerequisites: CHM 2211 or consent of instructor. This course is intended for pre-professional students who are not majoring in biochemistry; it covers the main concepts of biochemistry at same level as BCH 4053/4 but presents them at an accelerated pace. Topics include molecular structure, bioenergetics, enzymology and enzyme regulation, metabolism, as well as gene expression and regulation. This lecture-based course meets four hours a week.

Inorganic Chemistry

CHM 4610. Inorganic Chemistry (3). Prerequisites: CHM 2211 and CHM 2211L, each with a grade of “C–” or better. Corequisite: CHM 4410 or instructor permission. Lecture, three hours. This course explores physical principles, systematics in the chemistry of periodic groups, descriptive chemistry of the inorganic elements. Topics include atomic structure and the periodic classification of the elements, chemical bonding and reactivity, acid-base chemistry, chemistry of main group elements, and coordination chemistry of the transitional metal elements.

CHM 4610L. Inorganic Chemistry Laboratory (1). Prerequisite: CHM 4610 with a grade of “C–” or better. Laboratory conference, one hour; laboratory, three hours. This lab covers synthesis and characterization of inorganic compounds.

Organic Chemistry

CHM 2200. Survey of Organic Chemistry (3). Prerequisite: CHM 1032 with a grade of “C–” or better or CHM 1045 and 1045L and CHM 1046 and 1046L, each with a grade of “C–” or better. Lecture, three hours; recitation, one hour. This course is a one-semester survey of organic chemistry intended for students in nutrition and fitness (fitness option), or for students needing an overview of organic compounds, functional groups, and reactions.

CHM 2200L. Survey of Organic Chemistry Laboratory (1). Corequisite: CHM 2200. Laboratory, four hours.

CHM 2210. Organic Chemistry I (3). Prerequisite: CHM 1046 and CHM 1046L, each with a grade of “C–” or better. Students who complete CHM 1045 or CHM 1050 with a grade of “B” or better and have instructor permission may take this course simultaneously with either CHM 1046 or CHM 1051. Lecture, three hours; recitation, one hour. This course is the first in a sequence of courses for chemistry majors, premedicine students, biologists, or any other majors requiring a good background in organic chemistry, this course covers the fundamentals of structure and chemical behavior of organic molecules. This lecture-based course meets three hours a week.

CHM 2211. Organic Chemistry II (3). Prerequisite: CHM 2210 with a grade of “C–” or better or instructor permission. Lecture, three hours; recitation, one hour.

CHM 2211L. Organic Chemistry II Laboratory (3). Prerequisite: CHM 2210 with a grade of “C–” or better. Corequisite: CHM 2211. Laboratory conference, one hour; laboratory, seven hours.

Physical Chemistry

CHM 3400. General Physical Chemistry (4). Prerequisites: CHM 1046, CHM 1046L, and MAC 2311, each with a grade of “C–” or better. Lecture, three hours; recitation, one hour. This course focuses on an elementary treatment of general physical chemistry, including thermodynamics, equilibrium, electromotive force, kinetics, atomic structure, and an introduction to quantum theory. For the chemical science major and interested nonmajors.

CHM 4410. Physical Chemistry I (3). Prerequisites: CHM 1045 and CHM 1045L with a grade of “C–” or better or instructor permission; MAC 2312 with a grade of “C–” or better; MAC 2313 with a grade of “C–” or better recommended. Corequisite: PHY 2049C. This course covers thermodynamics, kinetic theory of gases, reaction kinetics, as well as introductions to quantum mechanics and to statistical mechanics. This lecture-based course meets three hours a week.

CHM 4411. Physical Chemistry II (3). Prerequisites: CHM 1045 and CHM 1045L and CHM 4410 with a grade of “C–” or better or instructor permission; MAC 2312 with a grade of “C–” or better; MAC 2313 with a grade of “C–” or better recommended. Corequisite: PHY 2049C. This course covers thermodynamics, kinetic theory of gases, reaction kinetics, as well as introductions to quantum mechanics and to statistical mechanics. This lecture-based course meets three hours a week.

CHM 4410L. Physicochemical Measurements and Techniques I (1). Corequisite: CHM 4410. Laboratory, three hours. Satisfaction of the University’s requirement for computer skills is recommended before attempting this course.

CHM 4411L. Physicochemical Measurements and Techniques II (2). Prerequisite: CHM 4410L with a grade of “C-” or better. Laboratory, six hours. Corequisite: CHM 4411. Satisfaction of the University’s requirement for computer skills is recommended before attempting this course.

Graduate Courses

Analytical Chemistry

- CHM 5086.** Environmental Chemistry I (3).
CHM 5087. Environmental Chemistry II (3).
CHM 5138. Mass Spectrometry (3).
CHM 5140. Introduction to Chemical Instrumentation (3).
CHM 5151. Optical Methods of Chemical Analysis (3).
CHM 5153. Electrochemistry (3).
CHM 5154. Chemical Separations (3).
CHM 5180r. Special Topics in Analytical Chemistry (1–3).
CHM 5454. Polymer Characterization (3).
CHM 6190r. Analytical Chemistry Seminar (1).
CHM 6191r. Analytical Chemistry Seminar (1). (S/U grade only.)

Biochemistry

- BCH 5405.** Molecular Biology (3).
BCH 5505. Structure and Function of Enzymes (3).
BCH 5745. Chemical and Physical Characterization of Biopolymers (3).
BCH 5884. Programming for Chemists and Biochemists (3).
BCH 5886r. Special Topics in Biochemistry and Cell Biology (1–3).
BCH 5887r. Special Topics in Biochemistry and Cell Biology (1–3).
BCH 6896r. Biochemistry Seminar (1).
BCH 6897r. Biochemistry Seminar (1). (S/U grade only.)
CHM 5506. Biophysical Chemistry and Macromolecules I (3).
CHM 5507. Biophysical Chemistry and Macromolecules II (3).

Inorganic Chemistry

- CHM 5442.** Kinetics and Mechanisms (3).
CHM 5620. Principles of Inorganic Chemistry (3).
CHM 5680r. Current Topics in Inorganic Chemistry (1–3).
CHM 5681r. Current Topics in Inorganic Chemistry (1–3).
CHM 6690r. Inorganic Chemistry Seminar (1).
CHM 6691r. Inorganic Chemistry Seminar (1). (S/U grade only.)

Materials Chemistry

- CHM 5715r.** Topics in Materials Chemistry I (1).
CHM 5716r. Characterization of Materials I (1).
CHM 5717r. Characterization of Materials II (1).
CHM 5718r. Topics in Materials Chemistry II (1).
CHM 6936. Materials Chemistry Seminar I (1). (S/U grade only.)
CHM 6937. Materials Chemistry Seminar II (1).

Organic Chemistry

- CHM 5225.** Advanced Organic Chemistry—Structure (3).
CHM 5226. Advanced Organic Chemistry—Reactions (3).
CHM 5245. Physical Organic Chemistry (3).
CHM 5250. Advanced Organic Synthesis (3).
CHM 5330. Graduate Survey of Organic Chemistry (3).
CHM 5380r. Special Topics in Organic Chemistry (1–3).
CHM 6390r. Organic Chemistry Seminar (1). (S/U grade only.)

Physical Chemistry

- CHM 5440.** Physical and Chemical Kinetics (3).
CHM 5442. Kinetics and Mechanisms (3).
CHM 5460. Thermodynamics and Statistical Mechanics (3).
CHM 5461. Advanced Statistical Mechanics (3).
CHM 5470. Valence Theory (3).
CHM 5480. Quantum Mechanics (3).
CHM 5481. Advanced Quantum Mechanics (3).
CHM 5506. Biophysical Chemistry and Macromolecules I (3).
CHM 5507. Biophysical Chemistry and Macromolecules II (3).
CHM 5580r. Special Topics in Physical Chemistry (1–3).
CHM 5581r. Special Topics in Physical Chemistry (1–3).
CHM 5585. Experimental Methods in Physical Chemistry (3).

- CHM 6590r.** Physical Chemistry Seminar (1).

Multiple Area Courses

- CHM 5555r.** Chemical Reactivity (1–3).
CHM 5710r. Chemical Structure and Bonding (1–3).
CHM 5823r. Supervised Research (1–5). (S/U grade only.)
CHM 5830r. Directed Individual Study (1–6).
CHM 5831r. Directed Individual Study (1–6). (S/U grade only.)
CHM 5832r. Directed Individual Study (1–6). (S/U grade only.)
CHM 5833r. Directed Individual Study (1–6). (S/U grade only.)
CHM 5910. Chemical Research (3).
CHM 5911. Chemical Research (3).
CHM 5912. Chemical Research (3).
CHM 5935r. Chemistry Seminars (0). (S/U grade only.)
CHM 5940r. Supervised Teaching (1–5). (S/U grade only.)
CHM 5945. Seminar on Chemical Education (1). (S/U grade only.)

For listings relating to graduate coursework for thesis, dissertation, and master’s and doctoral examinations and defense, consult the *Graduate Bulletin*.

CHILD DEVELOPMENT:
 see Family and Child Sciences

CHILDHOOD EDUCATION:
 see Childhood Education, Reading, and Disability Services

CHINESE:
 see Asian Studies; Modern Languages and Linguistics

Department of CIVIL AND ENVIRONMENTAL ENGINEERING

FAMU-FSU COLLEGE OF ENGINEERING

Web Page: <http://www.eng.fsu.edu/cee/>

Chair: Kamal S. Tawfiq; **Professors:** Huang, Moses, Ping, Spainhour, Tawfiq, Wekezer; **Associate Professors:** AbdelRazig, Abichou, Chan Hilton, Chen, Clark, Mtenga, Rambo-Roddenberry, Sobanjo; **Assistant Professors:** Watts, Jung; **Associates in Civil Engineering:** Adalier, Ahmad; **Assistant in Civil Engineering:** Pamuk

The Department of Civil and Environmental Engineering has the mission of teaching the fundamentals of civil engineering science, analysis, design, and management to empower students to assume careers as professional engineers, to conduct basic and applied research, to improve the state of knowledge of civil engineering, to serve as a source of information and advice to the community on engineering matters, and to assist in the continuing education of professional engineers and other interested individuals. The department has a special mission to provide an opportunity for a civil engineering education for minorities and women.

Opportunities and Facilities

Many opportunities exist in the field of civil engineering that encompass planning, designing, and managing a variety of projects. Your work could be on site at a project or at a computer workstation. Civil and environmental engineers often find themselves involved in many of the public work projects funded by federal, state, and municipal governments, as well as those projects undertaken by the private sector. As a structural engineer, you might analyze and design structures out of steel, concrete, aluminum, timber, plastic, and other new materials that are able to support required loads and withstand natural disasters. An environmental engineer, with a background in either physical, chemical, or biological science, helps to prevent and solve environmental problems. Engineers in the geotechnical realm apply technology, field test information, and laboratory analyses related to mechanics and mathematics to create the infrastructure facilities within and on top of the earth. The structure and stability of soils determine how and where to construct tunnels, pipelines, and deep foundations as well as highways and other buildings. In hydraulic and water resources engineering, you might design, construct, or maintain facilities related to the quality and quantity of water, flood prevention, wastewater treatment, and water front erosion protection. As a professional in transportation engineering, your purpose is to move people and things in a safe and efficient manner locally and through mass transportation systems. Transportation facilities include highways, airfields, railroads, and sea ports. Several courses are also offered in construction engineering.

Instructional equipment includes the MTS structures and material testing systems with computer control for data acquisition and analysis, triaxial, CBR, LBR, and shear testing equipment and seismographs for *in situ* and laboratory measurements of engineering properties of soils and rocks; and a self-contained glass-sided tilting flume for investigations of flow phenomena and sediment transport. A complete stand-alone automated data acquisition and analysis system is available for undergraduate student laboratory work and research. A fully equipped water quality testing lab as well as portable field testing kits are used both for classroom teaching as well as for student research and design projects.

Students have access to a large number and variety of computer systems. A network of nearly 700 computing devices is available for the academic and research efforts of the college.

The department houses the Crashworthiness and Impact Analysis Laboratory, which is a well-equipped state-of-the-art, high-performance computing environment for the pursuit of transportation-related research. This advanced computing environment is available primarily to graduate students working as research assistants with departmental faculty. The college computers are connected to a high-speed, switched, fiber-optic LAN and to the Internet via the Florida State University connection to the NSF v BNS network. Other nearby resources include the Department of Scientific Computing. Additional information about the department can be obtained from the college home page: <http://www.eng.fsu.edu>.

Programs Offered

The department offers a program of study for the Bachelor of Science (BS) in civil engineering which is accredited by ABET, Inc., 111 Market Place, Suite 1050, Baltimore, MD, 21202-4012, phone (410) 347-7700. The civil engineering major is broad-based, emphasizing all aspects of civil engineering practice, including structural geotechnical, construction, transportation, hydraulics, water resources, and environmental engineering. Within the civil en-

gineering program, the environmental engineering major is a course of study that focuses primarily on environmental engineering, hydraulics, hydrology, water resources, and water quality.

The department also offers a minor in environmental engineering science. Regardless of focus, all students learn to apply state-of-the-art technologies to solve problems in these areas.

The department offers graduate programs leading to the Master of Science (MS) and Doctor of Philosophy (PhD) degrees in civil engineering. Within the MS program, the Master of Engineering (MEng) option is available. These programs provide areas of concentration in structural, geotechnical, environmental/water resources, and construction/transportation engineering.

In order to be admitted to the Master of Science (MS) program, a student must have a bachelor's degree in civil engineering, a 3.0 grade point average (GPA) in the last two years of undergraduate school, and minimum graduate record examination (GRE) percentile ranks of 25% (score of 144) on the verbal reasoning section and a 65% (score of 153) on the quantitative section. For valid GRE tests taken prior to August 2011, minimum of 370 on the verbal reasoning and 680 on the quantitative reasoning section is required. For the MEng option, evidence of passing the NCEES Fundamentals of Engineering (FE) or Principles and Practice of Engineering (PE) exam or holding PE licensure may be used in lieu of the GRE. Exceptions may be granted where other evidence indicates an ability to perform satisfactory graduate work. A student without a Bachelor's degree in civil engineering may be required to complete undergraduate engineering articulation courses prior to attempting more advanced work. Admission to the doctoral program requires possession of a Master's degree in civil or environmental engineering or a closely allied academic discipline from an accredited college or university, good standing in the academic institution last attended, evidence of a 3.0 GPA on a 4.0 scale as an upper level undergraduate or graduate student, and minimum graduate record examination (GRE) percentile ranks of 35% (score of 147) on the verbal reasoning section and 70% (score of 155) on the quantitative section. For valid GRE tests taken prior to August 2011, minimum of 410 on the verbal reasoning section and 710 on the quantitative reasoning section is required. Exceptional applicants with a BS degree may be admitted to the Doctor of Philosophy (PhD) program, provided they complete an MS degree in the department before obtaining the PhD degree. For more details, refer to the *Graduate Bulletin*.

Note: Effective August 2011, the GRE Revised General Test replaced the GRE General Test. To learn more about this new test, go to <http://www.ets.org/gre>.

Mission

The mission of the Department of Civil and Environmental Engineering is to teach the fundamentals of civil engineering science, analysis, design, and management in order to empower students to assume careers and professional engineers; to conduct basic and applied research, in order to improve the state of knowledge of civil engineering; to serve as a source of information and advice to the community on engineering matters; and to assist in the continuing education of professional engineers and other interested individuals. The department has a special mission to provide an opportunity for a civil engineering education for under-represented groups in the profession.

Program Educational Objectives

Consistent with the mission and goals of the FAMU-FSU College of Engineering and based upon the input and needs of its constituents, the Civil Engineering Program will produce graduates who will achieve the following program educational objectives several years after graduation. Graduates will:

1. Progress in successful professional careers in civil and environmental or related engineering fields and/or enroll in studies at the graduate level;
2. Engage in problem solving and the application of engineering principles to address the needs of society and to practice effective management, communication, and leadership skills;
3. Demonstrate a commitment to life-long learning to respond to the rapid pace of change in civil and environmental engineering by becoming professionally licensed and by participating in professional society activities; and
4. Contribute to work force diversity as members and leaders of multi-disciplinary teams.

Program Learning Outcomes

By the time students graduate from the Civil Engineering program, they should attain the following outcomes:

1. An ability to apply knowledge of mathematics through differential equations, science (including calculus-based physics, general chemistry, and one additional area of science), and engineering;

2. An ability to design and conduct civil engineering experiments, as well as to analyze and interpret the resulting data;
3. An ability to design systems, components, or processes in more than one civil engineering context to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability;
4. An ability to function on multidisciplinary teams;
5. An ability to identify, formulate, and solve civil engineering problems;
6. An understanding of professional and ethical responsibility, and an ability to explain basic concepts in management, business, public policy, and leadership as well as the importance of professional licensure;
7. An ability to communicate effectively;
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context;
9. A recognition of the need for and ability to engage in lifelong learning;
10. A knowledge of contemporary issues;
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice;
12. An ability to apply knowledge of four technical areas appropriate to civil engineering.

Engineering Design

Following engineering design criteria established by ABET, the civil engineering curricula provide excellent design experiences for students. The faculty of the Department of Civil and Environmental Engineering has carefully integrated design components into the curriculum with increased complexity as students progress toward graduation. These design components offer opportunities for students to work individually and in teams on meaningful engineering design experiences building upon the fundamental concepts of mathematics, basic sciences, humanities, social sciences, engineering topics, and oral and written communication skills. Design components in engineering coursework help students develop an appreciation for and apply the knowledge of the wide variety of courses they have studied. Consequently, they participate in meaningful solutions and effective design development for practical engineering problems.

A majority of the design experiences are integrated into junior and senior level courses. For example, design experience is expanded in the civil engineering curriculum when students have completed EGM 3512 Engineering Mechanics, and progress to EGN 3331 Strength of Materials, then to CES 3100 Structural Analysis. Students are exposed to extensive design experiences in CES 4702 Concrete Design and CES 4605 Steel Design.

A major in environmental engineering includes ENV 4001 Environmental Engineering, which builds on material covered in EES 3040 Introduction to Environmental Engineering Science, CWR 3201 Hydraulics, and is followed by a series of technical and design courses in specific areas of water and wastewater treatment, remediation, hydrology, and hydraulics. CGN 4800 Pre-Senior Design and Professional Issues, and CGN 4802 Civil Engineering Senior Design Project, provide significant, culminating design experiences that are applied to one or two actual engineering situations for students working in multidisciplinary teams and majoring in either civil or environmental engineering.

Additional information about design credits may be obtained from departmental brochures and by contacting faculty advisers at the Department of Civil and Environmental Engineering.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in civil and environmental engineering satisfy this requirement by earning a grade of "C-" or higher in EGN 2212.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.ftvc.org/ftvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. MAC X311 or MAC X281
2. MAC X312 or MAC X282
3. MAC X313 or MAC X283
4. MAP X302 or MAP X305
5. CHM X045/X045L or CHM X045C, or CHS X440 and CHM X045L
6. PHY X048/X048L or PHY X048C, or PHY X043 and PHY X048L
7. PHY X049/X049L or PHY X049C, or PHY X044 and PHY X049L

Requirements for the Bachelor of Science in Civil Engineering: Civil Engineering Major

In addition to college requirements, a candidate for the BS degree in civil engineering will be expected to successfully complete the following requirements:

Mathematics and Basic Engineering Sciences

CCE 3101	Construction Materials (3)
CEG 2202	Introduction to Geomatics (3)
CEG 2202L	Introduction to Geomatics Lab (1)
EGM 3512	Engineering Mechanics (4)
EGN 1004L	First Year Engineering Lab (1)
EGN 2123	Computer Graphics for Engineers (2)
EGN 3331	Strength of Materials (3)
EGN 3613	Principles of Engineering Economy (2)
EEL 3003	Introduction to Electrical Engineering (3)
EML 3100	Thermodynamics (2)
STA 2122	Introduction to Applied Statistics (3) OR STA 3032 Applied Statistics for Engineers and Scientists (3-5)

Group A Science Elective: An additional three-credit hour science elective course is required to allow students to develop increased breadth in the basic sciences, while completing existing curricular requirements. Students should **SELECT ONE COURSE** from the following group.

BCS 2010	Biological Science (3)
GLY 1030	Environmental Issues in Geology (3)
GLY 2010C	Physical Geology (4)
MET 2700	General Meteorology (3)
PCB 3043	General Ecology (3)
OCE 4008	Principles of Oceanography (3)

Civil Engineering Science and Design Core Courses

CEG 3011	Soil Mechanics (3)
CES 3100	Structural Analysis (4)
CGN 3508L	Civil Engineering Materials Laboratory (1)
CWR 3200L	Environmental and Hydraulic Engineering Laboratory (1)
CWR 3201	Hydraulics (3)
EES 3040	Introduction to Environmental Engineering (3)
TTE 3004	Transportation Engineering (3)

Civil Engineering Science and Design Courses

Students must take the courses in the following areas plus three additional electives* for a total of twenty-one hours credit. To meet the requirement, students may select elective courses (as indicated below) to specialize their degree program to suit their individual objectives.

Structures	
CES 4605	Steel Design (3) OR CES 4702 Concrete Design (3)
Geotechnical	
CEG 4801	Geotechnical Design (3) OR CEG 4111 Foundations Engineering (3)
Construction/Transportation	
CCE 4004	Construction Engineering (3) OR TTE 4XXX Transportation elective (3)
Environmental/Water Resources	
ENV 4001	Environmental Engineering (3) OR CWR 4XXX Hydraulics, Hydrology, or Water Resources elective (3)

Additional Electives

Group B Elective 1* (3)

Group B Elective 2* (3)

Group C Elective 1** (3)

*Group B Engineering/Math/Science Elective: Any 4000-level course offered by the Department of Civil and Environmental Engineering that isn't being used to meet another requirement can be used to meet this requirement OR specified 3000 or 4000-level courses selected from engineering, math, or science departments at the university. See department for details.

**Group C Professional/Technical Elective: A course outside of the CEE department emphasizing professional development, computing, and other professional/technical skills.

Major Design Experience

CGN 4800 Pre-senior Design and Professional Issues (2)

CGN 4802 Senior Design Project (3)

Requirements for the Bachelor of Science in Civil Engineering: Environmental Engineering Major

In addition to college requirements, a candidate for the Bachelor of Science (BS) degree in civil engineering with a major in environmental engineering will be expected to successfully complete the following course requirements.

Mathematics and Basic Engineering Sciences

CEG 2202 Introduction to Geomatics (3)

CEG 2202L Introduction to Geomatics Lab (1)

CHM 1046/L General Chemistry II/Laboratory (4) OR MCB 2004/L Microbiology for Health Services/Laboratory (4)

EES 3040 Introduction to Environmental Engineering (3)

EGM 3512 Engineering Mechanics (4)

EGN 1004L First Year Engineering Lab (1)

EGN 2123 Computer Graphics for Engineers (2)

EGN 3331 Strength of Materials (3)

EGN 3613 Principles of Engineering Economy (2)

EEL 3003 Introduction to Electrical Engineering (3)

EML 3100 Thermodynamics (2)

STA 2122 Introduction to Applied Statistics (3) OR STA 3023 Applied Statistics for Engineers and Scientists (3)

Group A Science Elective: An additional three-credit hour science elective course is required to allow students to develop increased breadth in the basic sciences, while completing existing curricular requirements. Students should **SELECT ONE COURSE** from the following group.

BCS 2010 Biological Science (3)

GLY 1030 Environmental Issues in Geology (3)

GLY 2010C Physical Geology (4)

MET 2700 General Meteorology (3)

PCB 3043 General Ecology (3)

OCE 4008 Principles of Oceanography (3)

Environmental Engineering Science and Design Core Courses

CCE 3101 Construction Materials (3)

CEG 3011 Soil Mechanics (3)

CGN 3508L Civil Engineering Materials Laboratory (1)

CWR 3200L Environmental and Hydraulic Engineering Laboratory (1)

CWR 3201 Hydraulics (3)

ENV 4001 Environmental Engineering (3)

TTE 3004 Transportation Engineering (3)

Environmental Engineering Science and Design Courses

Students are required to take courses in the following areas plus three additional electives* for a total of twenty-one credit hours. To meet the requirement, students may select elective courses (as indicated below) to specialize their degree program to suit their individual objectives.

Environmental

ENV 4500 Environmental Unit Processes and Operations (3) OR ENV 4561 Design of Water Quality Management Facilities (3)

ENV 4XXX Environmental Engineering elective (3)

Water Resources

CWR 4101 Engineering Hydrology (3) OR CWR 4202 Hydraulic Engineering (3) OR CWR 4120 Groundwater Hydrology (3)

CWR 4XXX Water Resources, Hydraulics or Hydrology elective (3)

Geotechnical

CEG 4801 Geotechnical Design (3) OR CEG 4111 Foundations Engineering (3)

Construction/Transportation

TTE 4XXX Transportation elective (3) OR CCE 4XXX Construction elective (3)

Additional Electives

Group B Elective 1* (3)

Group B Elective 2* (3)

Group C Election 1** (3)

*Group B Engineering/Math/Science Elective: Any 4000-level course offered by the Department of Civil and Environmental Engineering that is not being used to meet another requirement can be used to meet this requirement OR 3000 or 4000-level courses selected from engineering, math, or science departments at the university. See department for details.

**Group C Professional/Technical Elective: A course outside of the CEE department emphasizing professional development, computing, and other professional/technical skills.

Major Design Experience

CGN 4800 Pre-senior Design and Professional Issues (2)

CGN 4802 Senior Design Project (3)

Department Requirements

Transfer students and students within the program in civil engineering must achieve a grade of "C-" or better in calculus I (MAC 2311 [4]), calculus II (MAC 2312 [4]), physics I (PHY 2048C [5]) and chemistry I (CHM 1045 [4], CHM 1045L [1]) prior to enrolling in any upper-level civil and environmental engineering classes. Students who do not meet this requirement may be directed to take additional academic work. Pre-Engineering students must adhere to the policies set by the College of Engineering. Students must achieve a grade of "C" or better in all transfer courses and in all courses that are prerequisites to any required or elective engineering course. In addition, students are required to earn a "C" or better in all engineering courses without any waiver as a graduation requirement. These courses cover the areas of mathematics and basic design, basic engineering science and design, civil engineering science and design, environmental engineering science and design, proficiency and core courses, and electives.

Pre/Co-requisite Course Policy

It is the policy of Department of Civil and Environmental Engineering that a student must receive grades of "C" or better in *all* prerequisite courses prior to enrolling in a CEE course. Concurrent registration in a course and its prerequisites is *not* allowed. All prerequisites of the prerequisite course must be completed. Failure to abide by this policy can result in the cancellation of your enrollment in any course **at any time during the semester and with no refund of fees**. Corequisite courses must be taken concurrently or prior to enrolling in the course. Registering for and remaining in a course without having completed all of the pre- and corequisite courses as well as all their prerequisites can result in the Department or the College of Engineering administratively **cancelling** your course enrollment at **any time during the semester and with no refund of fees**.

Course Repeat Policy**Criteria**

A student in the Department of Civil and Environmental Engineering will be placed on probationary status if the student falls into any of the following situations:

1. Accrues two grades below "C" in a single engineering course that is required in the curriculum, or in MAC 2313/3313, MAP 3305/2302, or PHY 2049/3049
2. Accrues a total of three grades below "C" in engineering courses that are required in the curriculum, MAC 2313/3313, MAP 3305/2302, and PHY 2049/3049.
3. Has an overall GPA below 2.0

Consequences

A student on probationary status will have their major changed administratively to Pre-Engineering.

Reinstatement

To be reinstated in the program, the student has one semester to raise his/her GPA above 2.0 and achieve a grade of "C" or better in all applicable courses. Permission to enroll in other civil and environmental engineering courses during the probationary semester will only be granted after consultation with an academic adviser. No more than one reinstatement is permitted.

Dismissal

There are two causes for dismissal from the CEE program:

1. If a student is on probation and does not, during the probationary semester, raise his/her GPA above 2.0 and/or achieve a grade of "C" or better in the math, science, or engineering course(s) that was (were) cause for probation or in any other math, science, or engineering course taken during the probationary semester, the student is permanently dismissed from and will not be reinstated in the CEE program.
2. If a student who has been reinstated to the program falls below an overall GPA of 2.0 and/or fails to achieve a grade of "C" or better in any math, science, or engineering course, then the student will be permanently dismissed from and will not be reinstated in the CEE program.

Fundamentals of Engineering Exam

All undergraduate students are encouraged to take the Fundamentals of Engineering (FE) exam in the civil engineering discipline during their senior year.

Oral Communication Competency

If a grade of "C" or better is earned in the following three courses, the Oral Communication Competency requirement as defined in the "Undergraduate Degree Requirements" section of this *Bulletin* will be satisfied.

EES 3040	Introduction to Environmental Engineering
CGN 4800	Pre-Senior Design and Professional Issues
CGN 4802	Senior Design Project

Honors in the Major

The Department of Civil and Environmental Engineering offers Honors in the Major to encourage students to undertake independent and original research to enhance their undergraduate experience. For requirements and more information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Requirements for a Minor in Environmental Engineering Science

A minor in environmental engineering science requires a minimum of twelve semester hours of coursework in environmental engineering, including EES 3040 and ENV 4001 plus six additional hours in courses with prefixes EES or ENV at the 3000 level or above, with no more than one of the following courses counting towards the minor: ENV 4341, ENV 4611. Students must consult with the department and obtain written approval before taking courses towards the minor. Students also must satisfy prerequisites before enrolling in any environmental engineering course. Grades of "C" or better must be earned in each course accepted for minor credit. If an environmental engineering science minor is combined with a civil engineering major, EES 3040, and one other course, up to six credits total may count toward both the major and the minor.

Definition of Prefixes

CCE	Civil Construction Engineering
CEG	Civil Geotechnical Engineering
CES	Civil Engineering Structures
CGN	Civil Engineering
CWR	Civil Water Resources
EES	Environmental Engineering Science
EGM	Engineering Science
EGN	Engineering: General
ENV	Engineering: Environmental
TTE	Transportation Engineering

Undergraduate Courses

CEE 3101. Construction Materials (3). Prerequisite: EGN 3331. This course covers properties and characteristics of construction materials for civil and highway engineering; metals, aggregates, cements, timber, concrete, and asphalt.

CEE 3101L. Construction Materials Laboratory (1). Corequisite: CCE 3101. This course allows students to prepare concrete and asphalt specimens; test construction materials under compression, tension, torsion loading; and write formal laboratory reports.

CEE 4004. Construction Engineering (3). Prerequisites: CCE 3101 and EGN 3613. This course covers theories, principles, and applications of construction engineering and management. Emphasis is placed on construction preplanning, delivery systems, contracts and bidding, estimation, scheduling, project control, and professional issues.

CEE 4014. Construction Cost Estimating (3). Prerequisites: CCE 3101 and EGN 3613. Corequisite: CCE 4004. This course covers construction contracts, organization and cost accounting systems; preliminary cost estimation, and cost indices; estimating material, labor, and equipment costs; construction bidding practices, and bid proposals; and project budgeting and cost systems.

CEE 4031. Construction Planning and Scheduling (3). Corequisite: CCE 4004. This course includes topics such as: planning, basic arrow diagramming, basic precedence diagramming, establishing activity duration, scheduling computations, bar charts, project controls, overlapping networks, resource leveling, and program evaluation review technique (PERT).

CEG 2202. Introduction to Geomatics (3). Prerequisites: MAC 1114, EGN 2123. This course explores methods and procedures of surface mapping and subsurface sectioning including distance measurements, traverse computations and topographic mapping, and Global Positioning Systems. Use of field equipment and procedures to measure distances, elevations, angles, and perform complete surveys. Computer Aided Design (CAD) Laboratory for basic engineering drafting.

CEG 2202L. Introduction to Geomatics Lab (1). Prerequisites: MAC 1114, EGN 2123. This course explores methods and procedures of surface mapping and subsurface sectioning including distance, measurements, traverse computations and topographic mapping, and Global Positioning Systems. Use of field equipment and procedures to measure distances, elevations, angles, and perform complete surveys. Computer Aided Design (CAD) Laboratory for basic engineering drafting.

CEG 3011. Soil Mechanics (3). Prerequisite: CEG 2202. Corequisite: EGN 3331. This course covers physical, index, hydraulic and mechanical properties of soils. Topics include classification, compaction, stress distribution, permeability and seepage, consolidation settlement, and shear strength of soil.

CEG 3011L. Soil Mechanics Laboratory (3). Prerequisite: CEG 3011. This course helps students determine physical, index, hydraulic and mechanical soil properties using laboratory and field testing techniques.

CEG 4111. Foundation Engineering (3). Prerequisite: MAC 2311. This course covers the design of spread footing, pile and caisson foundations, as well as retaining and waterfront structures. The course offers an investigation of slope stability and a choice between alternative methods of foundation design.

CEG 4701. Environmental Geotechnics (3). Prerequisite: CEG 3011. This course covers the geotechnical aspects of waste containment and storage. Aspects of design, construction, and performance of earthen structures for storing or disposing waste of remediation contaminated sites.

CEG 4801. Geotechnical Design (3). Prerequisites: CEG 3011 and 3011L. This course covers geotechnical investigation, analysis, and design of different geotechnical structures, including earth retaining structures, slopes and embankments, earthwork with geosynthetics, as well as shallow foundations.

CES 3100. Structural Analysis (4). Prerequisite: EGM 3512. Corequisite: EGN 3331. This course covers loads, load paths, as well as advanced topics on shear and bending moment, including frames and superposition. Additional topics include influence lines, deflection of determinate structures, as well as indeterminate analysis methods including flexibility, slope-deflection, moment distribution, and stiffness methods.

CES 4101. Advanced Structural Analysis (3). Prerequisites: CES 3100 and EGN 3331. This course covers matrix algebra review, direct stiffness method for truss analysis, computer applications, statically indeterminate structures, slope-deflection and moment distribution methods, as well as computer modeling and analysis of structures using commercial FE codes.

CES 4605. Steel Design (3). Prerequisites: CES 3100 and EGN 3331. This course covers the design of tension, compression, and flexural steel members. The course also covers the design of bolted and welded connections for steel members, according to AISC specifications.

CES 4702. Concrete Design (3). Prerequisites: CES 3100 and EGN 3331. This course covers design of reinforced concrete structures using the current ACI specifications and building codes. Topics include flexural design of reinforced concrete beams, flanged beams, and one-way slabs. The course also presents column design, shear reinforcement design, bond and anchorage, and control of deflections and cracks.

CES 4711. Prestressed Concrete (3). Prerequisites: CES 3100 and EGN 3331. This course covers the behavior and design of prestressed concrete structures. Topics include the design of prestressed concrete beams for flexure and shear, design of slabs, prestressing losses, serviceability of prestressed concrete members, and precast members.

CES 4800. Timber Design (3). Prerequisites: CES 3100 and EGN 3331. This course covers the design of basic timber structures including beams, columns, walls, and diaphragms – all using NDS specifications.

CES 4830. Masonry Design (3). Prerequisites: CES 3100; EGN 3331. This course covers the design of basic reinforced masonry structures including walls, columns, and foundations. SBC and code applications are used.

CGN 2327L. Civil Engineering Graphic Lab (1). Prerequisite: EGN 2123. This course is the lab section for the Computer Graphics for Engineers general course. This lab provides hands-on experience in utilizing the latest version of AutoCAD and MicroStation for technical drawing typical of the design projects in civil and environmental engineering.

CGN 3508L. Civil Engineering Materials Laboratory (1). Prerequisites: CEG 2202, 2202L, and EGN 3331. Corequisite: CEG 3011 or CCE 3101. This course is a study of the principal construction materials used in civil engineering practices with special attention to measuring mechanical properties and their importance to the engineer. Hands-on experience in conducting tests on soils, concrete, timber, and steel materials and interpreting test results.

CGN 3949r. Cooperative Work Experience (0). (S/U grade only). This non-credit course offers field-work experience in an approved civil-engineering agency program for integration of theory and professional practice.

CGN 4800. Pre-senior Design and Professional Issues (2). Corequisites: CEG 2202L and senior standing. This course covers the following topics: engineering and professional ethics; professional practice issues relevant to the design and construction of engineering projects; project planning and scheduling; design under engineering and societal constraints; importance of licensure and continuing education; as well as oral and written communication issues. Inter- or multidisciplinary teams prepare formal proposals addressing engineering challenges; the full design of these proposals is completed during the following semester in the CGN 4802, Senior Design Project course.

CGN 4802. Senior Design Project (3). Prerequisites: CEG 2202L, CGN 4800, senior standing, completion of all basic and core courses, completion of at least one 4000-level course in each proficiency area, or instructor permission. This course is a capstone senior-level design course integrating the knowledge and skills gained in undergraduate studies in civil and environmental engineering. The course involves the completion of a team-based interdisciplinary design project covering several sub-disciplines in civil or environmental engineering. Industry and professional participation.

CGN 4906r. Honors Work in Civil and Environmental Engineering (1-6). Prerequisite: Admission to the honors program. This course is for faculty-directed independent research conducted by students in the honors program. Research is conducted on a topic agreed upon by the student and a faculty mentor and relevant to civil and/or environmental engineering. Variable credit is given consistent with the nature and scope of the research project to be conducted. May be repeated to a maximum of nine semester hours.

CGN 4930r. Special Topics (1-3). This course covers topics in civil and environmental engineering, with an emphasis on recent developments. Topics and credit may vary. May be repeated to a maximum of twelve semester hours. May be repeated within the same term.

CWR 3200L. Environmental and Hydraulic Engineering Laboratory (1). Prerequisites: CHM 1045, CHM 1045L, MAC 2311, and PHY 2048C. Corequisite: EES 3040 or CWR 3201. This course is a hands-on introduction to environmental and hydraulic engineering topics. Physical experiments that demonstrate fundamental concepts such as hydrostatics, pipe flow, open channel flow, water quality, and water treatment processes are performed.

CWR 3201. Hydraulics (3). Prerequisites: EGM 3512, STA 2122 or STA 3032, and MAP 3305 or MAP 2302. This course covers fundamental concepts of fluid properties, hydrostatics, kinematics, ideal flow viscous effects, transport phenomena; drag, laminar, and turbulent flow in pipes and channels; and dimensional analysis.

CWR 3201L. Hydraulics Laboratory (1). Prerequisites: EGM 3512, EGN 2212, and MAP 3305. Corequisite: CWR 3201. This lab engages students in hydraulics experiments and demonstrations, followed by formal technical reports in which students report the experimental results.

CWR 4101. Engineering Hydrology (3). Prerequisites: CWR 3201 and STA 2122 or STA 3032 or their equivalents. This course covers the processes of the hydrologic cycle, hydrologic analyses for the planning and design of water management systems, and the use of application program packages.

CWR 4120. Groundwater Hydrology (3). Prerequisites: CWR 3201 and EES 3040. This course examines the fundamentals of groundwater flow and contaminant transport. Topics include Darcy's law, flow nets, mass conservation, heterogeneity and anisotropy, storage properties, 3-D equation of groundwater flow, regional circulation, unsaturated flow, recharge, stream-aquifer interaction, well hydraulics, slug test analyses, and contaminant transport processes.

CWR 4202. Hydraulic Engineering I (3). Prerequisites: CWR 3201, and STA 2122 or STA 3032 or their equivalents. This course covers principles of hydrology and hydraulics as they apply to the design of water supply, urban drainage, flood control, and hydraulic energy-conversion systems. Students use computer-aided design to devise hydraulics systems.

CWR 4203. Hydraulic Engineering II (3). Prerequisite: CWR 4202. This course covers methods for analyzing a broad range of unsteady flow conditions and for designing facilities to cope with resulting problems. Based on these methods, students learn to apply computer programs to practical water distribution and open-channel systems.

CWR 4540. Water Resources Engineering (3). Prerequisites: CWR 4101 or CWR 4202 and STA 2122 or STA 3032. This course offers a systems approach to complex water resources problems as well as a systems analysis of water resources operations, design, and planning.

CWR 4822. Coastal and Estuarine Hydraulics (3). Prerequisites: CWR 3201 and MAC 2313. This course covers coastal hydraulic principles and waves in estuaries and coastal oceans, wave properties and wave forces on coastal structures, tidal motions, mixing and transport in estuaries, and coastal-engineering analysis.

EES 3040. Introduction to Environmental Engineering (3). Prerequisites: CHM 1045, CHM 1045L, MAC 2311, and PHY 2048C. This course is a broad introduction to environmental engineering topics. Includes fundamental concepts in mass balance, water quality, water and wastewater treatment, air quality, and solid/hazardous waste management, with considerations to environmental and societal impacts, as well as technical limitations. This course serves as the foundation for all other environmental engineering courses.

EES 3040L. Introduction to Environmental Engineering Science Laboratory (1). Prerequisites: CHM 1045 and CHM 1045L. Corequisite: EES 3040. This course covers the use of field and laboratory instruments for measuring air and water quality indicators. Includes site visits.

EGM 3512. Engineering Mechanics (4). Prerequisites: MAC 2312 and PHY 2048. Corequisite: MAC 2313. This course covers statics and dynamics of particles and rigid bodies. Topics include free-body diagrams, couples, resultants, equilibrium of particles and rigid bodies in two and three dimensions, and forces in trusses, frames, and machines. Other topics include centroids, centers of mass, internal shear forces and bending moments in beams, shear and moment diagrams, friction, area moments of inertia, parallel axis theorem, work/energy, as well as impulse and momentum methods.

EGN 2212. Engineering Statistics and Computation (3). Prerequisite: MAC 2311. This course covers engineering problem formulation, algorithm development and programming, measurement and computational-error assessment, as well as application of statistical and numerical modeling tools for data analysis. Mathcad software is used.

EGN 3331. Strength of Materials (3). Prerequisite: EGM 3512. This course covers axial, torsional, and flexural stresses and strains, as well as normal and shear stress. Topics include Mohr's circle, transformation of stress, safety factors, and engineering applications.

EGN 3331L. Strength of Materials Laboratory (1). Prerequisite: EGM 3512. Corequisite: EGN 3331. This lab covers column buckling experiments as well as the use of non-destructive techniques to determine strains and stresses in tensile members, torsional members, flexural members, and thin-walled vessels.

ENV 4001. Environmental Engineering (3). Prerequisites: CHM 1045, CWR 3200L, CWR 3201, and EES 3040. This course covers the design of water and wastewater treatment plants, wastewater collection systems, air and water pollution control, as well as solid waste management and contemporary environmental issues.

ENV 4022. Remediation Engineering (3). Prerequisite: ENV 4001 or equivalent. This course reviews various innovative remediation technologies used for cleanup of contaminated soil and groundwater at a site such as air sparging, soil vapor extraction, reactive walls, reactive zones, stabilization technologies, as well as hydraulic and pneumatic fracturing pump-and-treat systems.

ENV 4031. Applied Environmental Engineering Microbiology (3). Prerequisite: ENV 4001 or equivalent. This course surveys environmentally important microbes and their roles in the environmental restoration processes. Major topics include basics of microbiology, stoichiometry and bacterial energetics; bioremediation and other environmental microbiology applications; as well as detoxification of hazardous chemicals.

ENV 4041. Environmental Systems Analysis (3). Prerequisites: EES 3040, MAP 3305 or MAP 2302. This course covers systems analysis techniques applied to the solution of environmental problems, with particular emphasis on linear and dynamic programming.

ENV 4053. Chemical Fate and Transport in the Environment (3). Prerequisites: CWR 3201 or equivalent, EES 3040, and MAP 3305. This course covers the processes of pollutant transport and transformation in and between air, water, and soil or sediments. Topics include advection, dispersion, diffusion, sorption, degradation, and phase-change processes.

ENV 4341. Solid and Hazardous Waste Engineering (3). Prerequisite: EES 3040. This course covers definitions and characteristics of solid and hazardous wastes. Topics include history, growth, and magnitude of the problem; legislative, regulatory, and technical aspects of waste generation, storage, collection, transportation, processing, transformation, and disposal; design of waste minimization and recycling programs; and case studies of waste management.

ENV 4405. Water Reuse Engineering (3). Prerequisites: CHM 1045, CHM 1045L, and EES 3040. This course covers sources of water for reuse, treatment processes and systems, monitoring and control instrumentation, health and social aspects, and design of facilities/systems.

ENV 4417C. Applied Environmental Engineering Chemistry (3). Prerequisite: EES 3040. Corequisite: ENV 4001. This course covers applications of fundamental principles from general, organic and biological chemistry, to major environmental engineering processes. Emphasis is placed on the chemistry of water treatment.

ENV 4500. Environmental Unit Processes and Operations (3). Prerequisite: CWR 3201. Corequisite: ENV 4001. This course covers the operational and design features of the physical, chemical, thermal, and biological treatments used in engineering for water and wastewater treatment and the management of solid and hazardous waste.

ENV 4561. Design of Water Quality Management Facilities (3). Prerequisites: CWR 3201 and ENV 4001. This course covers analysis of operations, processes, and systems used in the design of facilities for maintaining water supply quality, wastewater control, and aquatic pollution control. Design of small and decentralized wastewater management systems.

ENV 4611. Environmental Impact Analysis (3). Prerequisite: EES 3040. This course covers topics such as analysis of various measures of environmental quality, impact of human activity on water, land, and air resources, and benefit-cost analysis in environmental-impact assessment.

TTE 3004. Transportation Engineering (3). Prerequisites: CEG 2202, STA 2122 or STA 3032, and junior standing. This course is an introductory study of transportation engineering in the United States with special emphasis on highway and traffic engineering, planning and design, construction, operation, management, and safety.

TTE 4201. Traffic Engineering (3). Prerequisite: TTE 3004. This course covers nature, characteristics, and theories of traffic problems. Topics include traffic survey procedures, origin-destination studies, as well as an introduction to theory and design of automatic control of traffic systems.

TTE 4250. Traffic Operations (3). Prerequisite: TTE 3004. This course covers operation of transportation systems, monitoring, regulation, and control traffic.

TTE 4271. Intelligent Transportation Systems (3). Prerequisite: TTE 3004. This course covers advanced traffic management systems (ATMS), advanced traveler information systems, advanced vehicle control systems, commercial vehicle operations, rural ITS, human factors, institutional issues, architecture and standards, as well as simulation and modeling.

TTE 4804. Highway Geometric Design (3). Prerequisites: CEG 2202 and TTE 3004. This course covers principles and procedures for the geometric design of highways and streets, consideration of traffic, land use, and aesthetic factors.

TTE 4830. Hot Mix Asphalt Mixture Design (3). Prerequisite: CCE 3101. This course covers aggregate properties and tests, tests of asphalt and asphalt concrete mixes, fundamental engineering characteristics of hot-mix asphalt concrete, mix design methods for asphalt concrete, as well as Superpave-mix design methodology and production and placement of hot-mix asphalt.

Graduate Courses

- CCE 5035.** Construction Planning and Scheduling (3).
CCE 5036. Project Controls in Construction (3).
CEG 5015. Advanced Soil Mechanics (3).
CEG 5115. Foundation Engineering (3).
CEG 5127. Highway and Airport Pavement Design (3).
CEG 5705. Environmental Geotechnics (3).
CES 5105. Advanced Mechanics of Materials (3).
CES 5106. Advanced Structural Analysis (3).
CES 5144. Matrix Methods for Structural Analysis (3).
CES 5209. Structural Dynamics (3).
CES 5218. Fundamentals of Structural Stability Theory (3).
CES 5325. Bridge Engineering (3).
CES 5585. Earthquake/Wind Engineering (3).
CES 5606. Advanced Steel Design (3).
CES 5706. Advanced Concrete Design (3).
CES 5715. Prestressed Concrete (3).
CES 5845. Composites in Civil Engineering (3).
CES 6116. Finite Elements in Structures (3).
CGN 5310. Engineering Data Systems (3).
CGN 5825. Site Development (3).
CGN 5905r. Directed Individual Study (1–6). (S/U grade only.)
CGN 5910r. Supervised Research (1–5). (S/U grade only.)
CGN 5930r. Special Topics in Civil Engineering (1–6).
CGN 5931. Mechanical Engineering Comprehensive Exam (0). (P/F grade only.)
CGN 5935. Civil Engineering Seminar (0). (S/U grade only.)
CGN 6942. Supervised Teaching (3). (S/U grade only.)
CWR 5125. Groundwater Hydrology (3).
CWR 5205. Hydraulic Engineering II (3).
CWR 5305. Urban Stormwater Runoff (3).
CWR 5635. Water Resources Planning and Management (3).
CWR 5824. Coastal and Estuarine Hydraulics (3).
ENV 5028. Remediation Engineering (3).
ENV 5030. Applied Environmental Engineering Microbiology (3).
ENV 5045. Environmental Systems Analysis (3).
ENV 5055. Chemical Fate and Transport in the Environment (3).
ENV 5105. Air Pollution Control (3).
ENV 5407. Water Reuse Engineering (3).
ENV 5419. Applied Environmental Engineering Chemistry (3).
ENV 5504. Environmental Engineering Processes and Operations (3).
ENV 5565. Design of Water Quality Management Facilities (3).
ENV 5615. Environmental Impact Analysis (3).
TTE 5205. Traffic Engineering (3).
TTE 5206. Advanced Traffic Flow Analysis (3).
TTE 5256. Traffic Operations (3).
TTE 5270. Intelligent Transportation Systems (3).
TTE 5805. Highway Geometric Design (3).

For listings relating to graduate coursework for thesis, dissertation, master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Department of CLASSICS

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://classics.fsu.edu/>

Leon Golden Professor and Chair: Marincola; **M. Lynette Thompson Professor:** de Grummond; **Professors:** Cairns, Pullen; **Associate Professors:** Fulkerson, Pfaff, Sickinger, Slaveva-Griffin, Stover; **Assistant Professors:** De Georgi, Luke, Romano; **Assistant in Classics:** Branscome; **Emeriti Faculty:** Golden, Plescia

The influence of the art, languages, literatures, and cultures of the Greco-Roman world pervades every western and many non-western societies. Modern America is no exception. A meaningful appreciation of our classical past is vital both for understanding the impressive continuity of western institutions and values as well as for recognizing how recent innovations and transformations of received assumptions have rendered aspects of the classical world alien and sometimes exceptionable. The classics are crucial both to the perpetuation and to the critique of the western liberal arts education.

The Department of Classics is committed to advancing our knowledge and critical appreciation of the ancient Mediterranean world through excellence in research and in teaching. The department seeks to create an atmosphere that fosters traditional scholarly approaches to the classical past at the same time as it welcomes and encourages innovative methods and perspectives. The department values the interdisciplinary of the classics and strives to achieve an integrated understanding of the ancient world that includes a full appreciation of history, literature, and material culture. Students are encouraged to view the classics within the context of the traditional humanities as well as in terms of the contemporary criticism of received cultural canons.

All courses in classics emphasize critical thinking, careful analysis, and effective speaking and writing skills. Some who major in classics will go on to academic careers as philologists or archaeologists. Others will become teachers in the schools or specialists in museum work. But most classics majors find that their broad liberal arts background is excellent preparation for pursuing careers in the learned professions, such as government, journalism, or law.

In addition to offering instruction to majors, the department participates in the University's Liberal Studies Program and offers innovative courses that satisfy the University's multicultural requirement. Courses in beginning Greek or Latin can be used to fulfill the language requirement of the College of Arts and Sciences.

The faculty in classics is distinguished in teaching and research. Several members of the faculty have received University and national teaching awards. Individual faculty members have also won numerous competitive grants. The department boasts special strengths in ancient literary criticism, the archaeology of Greece and Italy, the political and social history of Athens and of Rome, Greek and Roman religion, and ancient sexuality and gender studies. Several faculty members direct archaeological projects in Greece and Italy, and students are active participants in these.

Majors and elective students alike will find many intellectual opportunities in the department. There is an active chapter of Eta Sigma Phi (the classics honor society) and a vigorous Student Archaeology Club. Each year the department hosts several distinguished guest speakers and a visiting professor of international stature, the Langford Family Eminent Scholar, who teaches a course specifically for undergraduates. Every semester the department hosts a major conference. In the Fall, it is the Langford Latin Seminar; in the Spring, it is the Langford Conference. Recent topics have included the following: Health and Sickness in Ancient Rome; Greek Self-Fashioning; and Political Economics of the Aegean Bronze Age.

Students interested in the classics are encouraged to discuss their future plans with the undergraduate adviser. Most students will find that their needs are best accommodated by the department's very flexible program in classical civilization (see below), but students who intend to pursue postgraduate research in ancient history, classical archaeology, or philology will need to enter more specific programs of study. There is also a joint major in classics and religion.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in classics satisfy this requirement by earning a grade of "C–" or higher in CGS 2060, CGS 2064, CGS 2100, or ISC 3313.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

Classics and Classical Language

XXX XXXX: coursework in classics for a total of six to twelve credit hours and a demonstration of proficiency of a classics foreign language by testing or completion through the intermediate level. For example, the intermediate level for Latin is LAT X220 or equivalent.

Greek, Classical

XXX XXXX: coursework in Greek for a total of six to twelve credit hours or demonstrated proficiency of the language by testing or completion through the intermediate level. The intermediate level is GRE X200 or equivalent.

Latin

XXX XXXX: coursework in Latin for a total of six to twelve credit hours or demonstrated proficiency of the language by testing or completion through the intermediate level.

Requirements for Majors in Classics

Students should review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this *General Bulletin*. No course for which a student receives a grade below “C” may be counted toward satisfaction of major requirements. In addition, courses used to satisfy the college foreign language requirement may not be counted toward satisfaction of any major requirements. Interested students should consult with the undergraduate adviser as early as possible to choose a course of study best suited to their needs and goals.

All students are required to complete an exit survey for both the department and the College of Arts and Sciences during the term in which they graduate.

Latin

Twenty-four semester hours above the 1000 level. Two courses at the 3000 level are required from among LNW 3211r, 3323r, and 4340r, along with six additional semester hours at the 4000 level. At the discretion of the adviser, up to four semester hours of Greek or classical civilization may be counted toward this major. Students working toward secondary school certification may have other requirements as well.

Greek

Thirty semester hours chosen in consultation with the departmental adviser. This program will normally include GRE 1120 and 1121.

Latin and Greek

Thirty semester hours in Greek and Latin chosen in consultation with the departmental adviser. At least twelve semester hours are required in each language. The student must take 4000 level courses in at least one of the languages. If secondary school certification is sought in connection with this program, the major must include twenty-four semester hours of Latin.

Classical Civilization

Thirty semester hours chosen in consultation with the departmental adviser. Students must take at least twelve semester hours at the 4000 level, normally to include CLA 4935r. These hours may be selected from any of the courses listed below. No more than twelve semester hours of Latin and Greek may be counted. Students are strongly encouraged to take some courses in the Greek or Latin language. Courses used to satisfy the college foreign language requirement, however, may not be counted toward the major.

Classical Archaeology

Thirty semester hours of coursework. ARH 3130 and 3150 are required in addition to three of the following advanced archaeology courses: ARH 4110, 4118, 4120, 4131, 4151, 4154, and 4173 and CLA 4151. Competence in one ancient language at the third-semester level is required; this requirement may be fulfilled by taking the Greek language sequence of GRE 1120, 1121, and 2220, or the Latin language sequence of LAT 1120, 1121, and 2220. In addition to the twelve semester hours of Latin or Greek required for the classical archaeology major, the BA degree requires twelve semester hours of ancient or modern language study (three sequential four semester hour courses). The ancient language taken to satisfy the archaeology requirement will not fulfill the foreign-language requirement for the College of Arts and Sciences. It is strongly recommended that the student fulfill the College of Arts and Sciences language requirement (twelve credit hours) through the study of another ancient language, French, German, or Italian. Three semester hours of electives in classics are also required, to be chosen in consultation with the departmental adviser; only three semester hours of those elective courses taken to fulfill the humanities requirements may also be counted toward the requirements of the major. Students are encouraged to participate in archaeological fieldwork, and to study at the University’s study center in Florence.

Joint Major in Classics and Religion

The departments of classics and religion cooperate in a joint major designed for students with a special interest in religion and culture in the ancient world. To complete a Bachelor of Arts (BA) with a joint major in classics and religion, a student must take (in addition to other college requirements) twenty-seven semester hours in classics and eighteen semester hours in religion. At least nine semester hours at the 3000 or 4000 level in classics courses with prefixes ARH, CLA, or CLT, or ASH 3200, EUH 4401, EUH 4408, EUH 4412, or EUH 4413 are required. No more than eighteen semester hours of Greek or Latin may count toward the major; however, students must attain at least third-semester competency in Greek or Latin (see “Language Requirements” below). Of the eighteen semester hours in religion, at least six and no more than twelve semester hours must be in the area of religions of western antiquity. Classics courses in which the student receives a grade below “C” will not be counted toward the major. For the joint major in religion and classics, please contact the undergraduate director in the department of religion.

Language Requirements for Joint Major

Courses used to fulfill the College of Arts and Sciences language requirement may not be counted toward the major. Whether taken to meet the language requirement or the major requirements, students must complete twelve semester hours in one ancient classical language (Latin or Greek). Courses beyond the third-semester level in Greek or Latin (if that language is used to fulfill the College of Arts and Sciences language requirement) or in another ancient language at any level (e.g., Hebrew, Egyptian, Aramaic, or Sanskrit) may count toward the major, up to the maximum of eighteen semester hours.

Minor

Students with a classics and religion joint major do not need a minor.

Honors in the Major

The Department of Classics offers a program in honors in the major to encourage talented juniors and seniors to undertake independent and original research as part of the undergraduate experience. For requirements and other information, see the “University Honors Office and Honor Societies” chapter of this *General Bulletin* and consult with the undergraduate adviser.

Requirements for a Minor in Classics

A minimum of twelve semester hours in classical civilization, Greek, or Latin. The minor in classical civilization requires no knowledge of Greek or Latin and may consist of any four courses listed under departmental offerings in classical civilization and literature; however, with the approval of the department, appropriate courses in Greek and Latin may be included in this program. In Greek or Latin the sequence may begin at the 1000 level (provided this does not duplicate the foreign language requirements for the baccalaureate degree) or at any appropriate higher level.

Definition of Prefixes

ARH—Art History

ASH—Asian History

CLA—Classical and Ancient Studies

CLT—Classical Literature in Translation

EUH—European History

FLE—Foreign Language Education

GRE—Classical Greek (Language Study)

GRW—Classical Greek Literature (Writings)

LAT—Latin (Language Study)

LNW—Latin Literature (Writings)

Undergraduate Courses

ARH 2090. Great Discoveries in World Archaeology (3). This course is an introduction to the discipline of archaeology and to the work of famous archaeologists through an examination of selected archaeological discoveries in Europe, Africa, Asia, and the Americas.

ARH 3130. Survey of Greek Art and Archaeology (3). This course reviews the major accomplishments in Greek art from early times through the Hellenistic period using a survey of principal monuments, works, and archaeological evidence.

ARH 3150. Art and Archaeology of Ancient Italy (3). This course is a survey of Italian art and archaeology including early Italy, the Etruscans, and Rome with reference to the major monuments, works, and archaeological evidence.

ARH 4110. Art and Archaeology of the Bronze Age in the Aegean (3). This course studies the major archaeological evidence related to the Bronze Age in Crete and Greece; the major sites, monuments, and artistic works.

ARH 4118. Archaeology of Ancient Egypt (3). This course surveys the archaeology and art of ancient Egypt, from the Pre-dynastic through the Ptolemaic and Roman periods. An emphasis on the art, architecture, and culture of the Old and New Kingdoms.

ARH 4120. Etruscan Art and Archaeology (3). This course is a study of Etruscan culture, art, and archaeology.

ARH 4131. Greek Art and Archaeology of the Fifth and Fourth Centuries B.C. (3). This course surveys the accomplishments of classical Greek art through an examination of the monuments, works, and archaeological evidence.

ARH 4151. Art and Archaeology of the Early Roman Empire (3). This course examines Roman art and archaeology from Augustus through the Antonines with a survey of the major accomplishments and the archaeological remains.

ARH 4154. Archaeology of the Late Roman Empire (3). This course comprises a study of Roman art and archaeology from the second to the sixth century CE with emphasis on important sites and monuments.

ARH 4173r. Studies in Classical Archaeology and Art (3–9). This course explores studies in specific aspects of the archaeology and art of Greece and Italy. May be repeated to a maximum of nine semester hours.

ARH 4932r. Tutorial in Classical Archaeology (1–3). Prerequisites: ARH 3130, ARH 3150, and instructor permission. This course uses readings and discussions within a small group of advanced undergraduates and discusses specific topics or research problems in classical archaeology. May be repeated to a maximum of six semester hours.

ASH 3200. History of the Ancient Near East (3). This course is a survey of the Near East—Anatolia, Mesopotamia, Egypt, the Holy Land—in the ancient period.

CLA 2010. Introduction to Greek and Roman Civilization (3). This course is an introduction to Greek and Roman civilization: survey of classical literature, art, and philosophy with readings in translation from outstanding Greek and Roman authors.

CLA 2110. The Greek Way: Introduction to Greek Civilization (3). This course is a survey of the daily life and the cultural and political achievements of the ancient Greeks from Homeric times to the period of Alexander the Great.

CLA 2123. The Roman Way: Introduction to Roman Civilization (3). This course is a survey of the daily life and the cultural and political achievements of the Romans from the founding of Rome to the later Roman Empire.

CLA 2810. Discovery of Nature: Ancient Science (3). This course introduces students to the history of science, mathematics, medicine, and technology in the ancient Near East, the Greco-Roman world, the world of Late Antiquity, and the Early Middle Ages.

CLA 3012. Homosexuality in Antiquity (3). This course combines methods of social history and literary criticism to examine attitudes toward homosexuality in Greek and Roman culture and the influence of the Greek ideal in later literary and artistic culture.

CLA 3430. History of Ancient Greece (3). This course surveys the history of ancient Greece from the Bronze Age through the Hellenistic period, with a focus on political, social, and economic developments.

CLA 3440. History of Ancient Rome (3). This course surveys the history of ancient Rome from the Iron Age through Late Antiquity. Emphasis is on political, social, and economic developments.

CLA 3501. Gender and Society in Ancient Greece (3). This course examines the role and status of women in ancient Greek society, as depicted in its literature, art, law, and religion.

CLA 3502. Women, Children, and Slaves in Ancient Rome: The Roman Family (3). This course examines the Roman family in its various facets. Its focus will not be only on the nuclear family but also on the broader concept of family, which includes slaves and dependents.

CLA 4151. Pompeii (3). This course provides a study of the archaeology of Pompeii and of neighboring towns from the seventh century BCE to the first century CE.

CLA 4437r. Studies in Greek History (3). This course focuses on specified periods of Greek history, whether Archaic, Classical, or Hellenistic. May be repeated to a maximum of six semester hours.

CLA 4447r. Studies in Roman History (3). This course focuses on study of specified periods of Roman history in the Republic or Empire. May be repeated to a maximum of six semester hours.

CLA 4780r. Classical Archaeology: Fieldwork (1–6). This fieldwork course affords students the experience of excavation through an approved archaeological field-school or project. May be repeated to a maximum of twelve semester hours.

CLA 4909r. Honors Work (1–6). Up to twelve semester hours may be taken in honors work. May be repeated to a maximum of nine semester hours.

CLA 4930r. Special Topics in Classics (3–9). This course offers studies in specific aspects of Greco-Roman literature and culture.

CLA 4935r. Seminar in Classical Civilization (3–6). Prerequisite: Nine semester hours of study in classical civilization or instructor permission. This course covers special topics in classical culture presented around a seminar format. May be repeated to a maximum of six semester hours.

CLT 2044. Word Building: Greek and Latin Elements in the English Vocabulary (3). This course introduces Greek and Latin elements in English and focuses on word roots and the development of vocabulary through the application of these roots.

CLT 2049. Medical Terminology (3). This course introduces students to the medical and technical vocabulary based on Latin and Greek elements in medical Latin and English.

CLT 3370. Classical Mythology (3). This course is a survey of Greco-Roman myth and legend, readings from illustrative ancient authors in English translation, approaches to the study of ancient myth.

CLT 3378. Ancient Mythology, East and West (3). This course deals in a comparative way with the shared elements and influences found in the mythological traditions of selected cultures (e.g. Sumerian, Egyptian, Mayan).

CLT 3510. The Ancient World in Film (3). This course examines popular representations of Greek and Roman culture in modern film and cinema.

CLT 4291. Greek Tragedy (3). This course is an intensive study of the tragedies of Aeschylus, Sophocles, and Euripides.

CLT 4340. Greek and Roman Epic (3). This course is a study of the principal epics of the classical world in English translation.

CLT 4372r. Studies in Ancient Mythology (3). This course covers specific topics in the study of ancient myth and its interpretation. May be repeated to a maximum of six semester hours.

CLT 4905r. Directed Individual Study (1–4). May be repeated to a maximum of nine semester hours.

EUH 4401. Classical Athens and Sparta (3). This course examines the history of Greece from the beginning to Alexander the Great. Emphasis on the social and political structures of Sparta and Athens.

EUH 4408. The Age of Alexander the Great (3). This course is a study of the Greek world from the death of Socrates (399 BC) to the Roman conquest (146 BC, the sack of Corinth by Mummius).

EUH 4412. The Roman Republic (3). This course is a study of the history of Rome from its foundation (traditionally 753 BC) to the fall of the Roman Republic (31 BC, The Battle of Actium).

EUH 4413. The Roman Empire (3). This course focuses on the Roman Empire from Augustus to Constantine. Emphasis on the evolution from the principate of the early empire to the monarchy of the late empire.

GRE 1120, 1121. Beginning Greek I, II (4, 4). This course is an introduction to the basic grammar and syntax of classical Greek. Meets the foreign language requirement for the BA degree. No language laboratory required.

GRE 2220. Introduction to Greek Literature (4). This course focuses on the translation and commentary on selected Greek readings. Meets the foreign language requirement for the BA degree. No language laboratory required.

GRW 3104r. Readings in Greek Literature (3). This course focuses on the translation, commentary, and interpretation of selected Greek works. May be repeated to a maximum of six semester hours with change of content.

GRW 3250r. New Testament Greek (3). Prerequisite: GRE 2220 or completion of twelve-hour foreign language sequence in Greek. This course offers an introduction to reading the New Testament in Greek; it involves a comparison of New Testament Greek to Attic Greek grammar, as well as an introduction to New Testament scholarship. May be repeated to a maximum of six semester hours provided texts change.

GRW 4210r. Greek Prose Writers (3). This course focuses on the translation, commentary, and interpretation of readings from Greek prose writers. May be repeated to a maximum of six semester hours.

GRW 4301r. Greek Drama (3). This course focuses on the translation, commentary, and interpretation of selected Greek plays. May be repeated to a maximum of six semester hours.

GRW 4340r. Greek Poetry (3). This course focuses on the translation, commentary, and interpretation of readings from selected Greek poets. May be repeated to a maximum of six semester hours.

GRW 4500. Greek Philosophical Writings (4). This course focuses on the translation, commentary, and interpretation of readings from the Greek philosophers or religious texts.

GRW 4905r. Directed Individual Study (1–4). May be repeated to a maximum of nine semester hours.

LAT 1120, 1121. Beginning Latin I, II (4, 4). This course is an introduction to the basic grammar and syntax of classical Latin. Meets the foreign language requirement for the BA degree. No language laboratory required.

LAT 2220. Introduction to Latin Literature (4). This course focuses on the translation and commentary on selected Latin readings. Meets the foreign language requirement for the BA degree. No language laboratory required.

LNW 3211r. Readings in Latin Prose (3-6). Prerequisite: LAT 2220. This course introduces intermediate students to the translation and interpretation of standard Latin prose authors. May be repeated to a maximum of six semester hours.

LNW 3323r. Readings in Latin Poetry (3-6). Prerequisite: LAT 2220. This course introduces intermediate students to the translation and interpretation of standard Latin poets. May be repeated to a maximum of six semester hours.

LNW 4313. Plautus and Terence (3). This course focuses on the translation, commentary, and interpretation of selected plays from Plautus and Terence.

LNW 4320r. Roman Lyric, Elegiac, and Pastoral Poetry (3). This course focuses on the translation, commentary, and interpretation of poetry selected from the Roman elegists, the lyric tradition, and Roman pastoral. May be repeated to a maximum of six semester hours.

LNW 4340r. Roman Epic (3). This course focuses on the translation, commentary, and interpretation of the works of Vergil or the other hexameter poets. May be repeated to a maximum of six semester hours.

LNW 4360r. Roman Satire (3). This course focuses on the translation, commentary, and interpretation of selected readings from Horace and Persius, Juvenal, Martial, Petronius, or Apuleius. May be repeated to a maximum of six semester hours.

LNW 4380r. The Roman Historians and Cicero (3). This course focuses on the translation, commentary, and interpretation of selected works from the Roman historians or Cicero's historical speeches and letters. May be repeated to a maximum of six semester hours.

LNW 4905r. Directed Individual Study (1-4). May be repeated to a maximum of nine semester hours.

LNW 4999r. Tutorial in Latin (1-3). Prerequisites: LNW 3211, LNW 3323, and instructor permission. This course includes intensive work by a small number of undergraduates on a specific topic or research problem in Latin studies. May be repeated as topics vary to a maximum of six semester hours.

Graduate Courses

- ARH 5111.** Art and Archaeology of the Bronze Age in the Aegean (3).
ARH 5119. Archaeology of Ancient Egypt (3).
ARH 5125. Etruscan Art and Archaeology (3).
ARH 5140. Greek Art and Archaeology of the Fifth and Fourth Centuries B.C. (3).
ARH 5160. Art and Archaeology of the Early Roman Empire (3).
ARH 5161. Archaeology of the Late Roman Empire (3).
ARH 5174r. Studies in Classical Art and Archaeology (3).
ARH 5934r. Tutorial in Classical Archaeology (1-3).
ARH 6937r. Doctoral Seminar in Classical Archaeology (3).
CLA 5155. Pompeii (3).
CLA 5438r. Studies in Greek History (3).
CLA 5448r. Studies in Roman History (3).
CLA 5789r. Classical Archaeology: Fieldwork (1-6).
CLA 5799r. Seminar in Classical Archaeology (3).
CLA 5905r. Directed Individual Study (1-4). (S/U grade only.)
CLA 5910r. Supervised Research (1-3). (S/U grade only.)
CLA 5919. Master of Arts Paper (3). (S/U grade only.)
CLA 5920r. Classics Colloquium (1-3). (S/U grade only.)
CLA 5931r. Special Topics in Classics (3-9).
CLA 5936. Proseminar in Classical Studies (1). (S/U grade only.)
CLA 5940r. Supervised Teaching (0-3). (S/U grade only.)
CLA 5942r. Internship in Museum Studies (3-6).
CLA 6906r. Readings for Exams (1-12). (S/U grade only.)
CLA 6932r. Seminar in Classics (3-12).
CLT 5295r. Studies in Greek Tragedy: Aeschylus, Sophocles, and Euripides (3).
CLT 5345. Studies in Greek and Roman Epic (3).
CLT 5379r. Seminar in Ancient Mythology (3).
EUH 5407. Hellenistic Greece (3).
EUH 5417. The Roman Republic (3).
EUH 5418. The Roman Empire (3).
FLE 5810. Teaching Classics (3).
GRW 5215r. Studies in the Greek Prose Writers (3).
GRW 5305r. Studies in Greek Drama (3).
GRW 5345r. Greek Poetry (3).
GRW 5505r. Greek Philosophical Writings (3).
GRW 5908r. Directed Individual Study (1-4). (S/U grade only.)
GRW 5909r. Tutorial in Greek (1-3).
GRW 6106. Survey of Greek Literature (3).
GRW 6930r. Seminar in Greek (3).
LAT 5069. Graduate Reading Knowledge Examination (0). (S/U grade only.)
LNW 5316r. Studies in Roman Drama (3).

- LNW 5325r.** Roman Lyric, Elegiac, and Pastoral Poetry (3).
LNW 5345r. Studies in Roman Epic (3).
LNW 5365r. Studies in Roman Satire (3).
LNW 5385r. The Roman Historians and Cicero (3).
LNW 5908r. Directed Individual Study (1-4). (S/U grade only.)
LNW 5932r. Tutorial in Latin (1-3).
LNW 6106. Survey of Latin Literature (3).
LNW 6930r. Seminar in Latin (3).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

**COGNITIVE SCIENCE:
see *Graduate Bulletin***

School of COMMUNICATION

COLLEGE OF COMMUNICATION AND INFORMATION

Web Page: <http://www.comm.cci.fsu.edu/>

Director: Stephen D. McDowell; **Professors:** Arpan, Heald, Houck, Korzenny, McDowell, Nudd, Raney; **Associate Professors:** Adams, Bunz, Jordan, MacNamara, Pekurny, Proffitt, Opel, Rayburn; **Assistant Professors:** Castillo, Cortese, Lee, Parker; **Associate in Communication:** Wallace; **Research Associates:** Halvorson, Laurens, Lindsay, Solomon, Zeigler; **Assistant in Communication:** Rodin; **Associate Scholar/Scientist:** Dubard; **Professors Emeriti:** Mayo, Wotring, Young

The School of Communication offers a degree in communication with four majors. These majors are organized according to various applications of communication skills and expertise in our society. This unique array of studies allows students to select a sequence of courses that directly reflects their own professional, artistic, and/or academic interests. Accordingly, one can focus on: (1) advertising; (2) public relations; (3) media /communication studies; and (4) media production.

Each major requires a series of courses designed to meet predetermined educational and career goals. The specific goals and requirements of some areas of study are detailed in the following section entitled "Descriptions of Emphasis Areas," and on the School Web site at <http://www.comm.cci.fsu.edu/>. While some areas of emphasis are professionally oriented and others stress theory and a liberal arts education, each introduces the student to the broad range of communication theory and practice and provides the student with an understanding of the fundamental human and mediated communication processes. With few exceptions, the major requires two years to complete.

In terms of both academic criteria and extracurricular accomplishments, the students in the School of Communication are of the very highest caliber. The high quality of undergraduate students is reflected in the numerous University, state, and national scholarship and fellowship recipients. The exceptional caliber and character of communication students are also proven by their extracurricular activities. The Speech and Debate Program is considered one of the most experienced, talented squads in the nation. The program philosophy assures each student the best competitive experience possible. It emphasizes quality competition and provides the resources to help each student excel to the best of his or her abilities. Communication students are also involved in broadcasting activities, including radio station WVFS, a variety of sports-related programs as part of Seminole Productions, and broadcasts on WFSU-TV, Florida State University's PBS station. Other student activities include the Advertising Club, the student chapter of the Florida Public Relations Association, the student chapter of Women in Communication, and Lambda Pi Eta, the national honor society for undergraduate communication students.

Both in and out of the classroom, the students of the School of Communication have an established track record of national recognition and achievement. The University's communication graduates can be found working in virtually every country in the world and every state in the nation. Our graduates occupy productive and prominent positions in government, law, commercial communication, media-related activities, private business interests, and education.

The School of Communication offers programs of study leading to the Bachelor of Arts (BA), Bachelor of Science (BS), Master of Arts (MA), Master of Science (MS), and Doctor of Philosophy (PhD) degrees. Consult the *Graduate Bulletin* or School Web site for information regarding graduate programs.

Note: Students not formally admitted to the School of Communication are prohibited from enrolling in more than eighteen semester hours of coursework in the School of Communication (SPC 1017 and SPC 2608 do not count toward this eighteen semester hour limit). Courses available to non-majors are listed in the following section entitled "Requirements for a Minor in Communication."

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in communication satisfy this requirement by earning a grade of "C-" or higher in CGS 2060, CGS 2100, or COM 4470.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at ei-

ther a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.fvc.org/fvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. XXX XXXX
2. XXX XXXX
3. XXX XXXX
4. XXX XXXX
5. XXX XXXX
6. XXX XXXX

Note: The above courses are to be outside of the major (ENC and LIT prefix courses) and beyond the thirty-six hours of general education requirements.

Requirements

Admission Information

Communication is a limited-access major. Acceptance into the School of Communication and into the various areas of emphasis is highly competitive.

All students must apply separately to the University and the School of Communication. Admission to the University is not a guarantee of admission into the major and admission to the major is not a guarantee of admission to the University. Students transferring from another institution are strongly encouraged to earn an AA before matriculating at Florida State University, and should apply for admission to the School of Communication **before** transferring to Florida State University.

Application Process

Minimum Requirements for Application:

Students applying for admission must:

1. Have an overall GPA of 3.0 or higher on all college coursework to be considered for admission to advertising, public relations, media production and media/communication studies
2. Have completed CLEP and accelerated credit scores posted by time of application
3. Have all liberal studies course substitutions approved by the appropriate dean and posted by time of application
4. In addition, students must complete the following requirements by the end of the Spring semester in which they are applying
 - a. A minimum of fifty-two semester hours of college coursework accepted by Florida State University
 - b. Successfully complete two Liberal Studies math courses and two Liberal Studies English courses

Note: All coursework for eligibility must be reflected on submitted transcripts or on Spring course schedules by the application deadline.

The Application

Application information is available on the School of Communication Web site at <http://comm.cci.fsu.edu/>.

To be considered for Summer/Fall admission, completed applications must be received by the School of Communication by the first business day in February at 5:00 p.m. Included in the application process must be copies of transcripts from all colleges and universities attended. Late applications will not be accepted.

The Review Process

A. Advertising, Public Relations, Media Production

A faculty committee will review applications and supporting documents of candidates who meet the minimum requirements for application. There are three major criteria by which all undergraduate applications in the School of Communication will be assessed: GPA in context, strength of experience relevant to the field, and evidence of potential success in a relevant field. More specifically, the faculty members reviewing the applications in all areas will consider the following:

1. GPA in all college coursework
2. Record of academic success in communication and communication-related courses

3. Quality of writing in application materials
4. Well-defined goals and expectations related to the chosen field
5. Previous high school, college, or professional experiences related to the chosen field

(See School of Communication application for additional information regarding the review process.)

B. Media/Communication Studies

After meeting the Minimum Requirements for Application (above), the GPA in all college coursework will be the sole admission criterion.

Retention Standards

The School of Communication reserves the right to discontinue enrollment of any student in the major at any time if, in the judgment of the faculty, the student does not meet the standards of the school or the major. Specifically, majors in the School of Communication must maintain an overall GPA of 3.0 on all college coursework or they may be placed on probation and may be dropped subsequently from the major.

Requirements for a Major in Communication

Different programs of study specify different graduation requirements that lead to the baccalaureate degree in Communication. Descriptions of each program's required and elective course sequences are available on the school's Web site at <http://www.comm.cci.fsu.edu/>.

The School of Communication has the following requirements for graduation. These requirements are beyond the minimum University requirements and those specified by each emphasis area: (1) meet the school's language proficiency requirement; (2) only coursework with grades of "C–" or above will count toward a student's degree in communication; and (3) completion of a minor in an academic area outside the School of Communication. Students must undergo University and school graduation checks. Students who wish to intern must make arrangements with the faculty adviser and submit school contracts the semester prior to enrollment. Internship requirements vary by program of study. Only formally admitted communication majors can register for a communication internship.

Language Proficiency Requirement

Students formally admitted into any major in the School of Communication during or after the 2003 admission cycle must achieve proficiency in one language other than English prior to graduation. As a school, we define "language" in broad terms, understanding that a variety of skills are equally important to the field of communication. To that end, students may fulfill this requirement by taking courses in modern or business language. In order to fulfill the school's Business Language-Proficiency requirement, students must earn at least a "C–" in each language course. Courses may not be taken on an S/U basis.

Students formally admitted during or after the 2012 admission cycle may take courses in the Modern Language Proficiency on an S/U basis.

The school's language proficiency requirement is more extensive than the University's foreign language admissions requirement. It is important to understand that although completion of two years of high school language courses or two semesters of post-secondary language will satisfy the University's Admissions requirement, these courses do not satisfy the School of Communication's language proficiency graduation requirements. Please consult the "Admissions" chapter of this *General Bulletin* for more information.

Modern Language Proficiency. Students may satisfy the language proficiency requirement by completing coursework through the 2000 level (2200 or equivalent course) of a classical or modern language. Students admitted prior to 2012 must earn at least a "C–" in each course; courses may not be taken on an S/U basis. For students admitted during or after 2012, language proficiency courses may be taken on an S/U basis. Native speakers of another language and other students who wish to demonstrate proficiency by means other than coursework should consult the Department of Modern Languages and Linguistics. Upon graduation, those students who pursue this option through a spoken language (i.e., French, German, Spanish, Latin, etc.) will receive a Bachelor of Arts (BA) degree.

Business Language Proficiency. Students may satisfy the business language proficiency requirement by completing the following coursework for a total of nine semester hours: ECO 2013 Principles of Macroeconomics, ECO 2023 Principles of Microeconomics, and one of the following: STA 2023 Fundamental Business Statistics, or STA 2122 Introduction to Applied Statistics. A student taking coursework to fulfill the department's business lan-

guage requirement must earn at least a "C–" in each course; courses may not be taken on an S/U basis. Upon graduation, students who pursue the business language proficiency option will receive a Bachelor of Science (BS) degree.

Required Minor

A minor of at least twelve semester hours is required. All work counted toward the minor must carry a grade of "C–" or better. The minor must be in a department other than the School of Communication, with the exception of the Minor in Hispanic Marketing Communication. Requirements for the minor are established by the minor department, which can be found under the appropriate entry of this *General Bulletin*. Minors are checked by the major department upon graduation. See individual descriptions of majors below for suggestions. Communication majors who complete a second major outside of the School of Communication do not need a minor. The required minor is applicable, however, to those pursuing a dual degree.

Interdepartmental Minor

A fifteen semester hour interdepartmental minor is possible, provided that the coursework is outside the School of Communication and is approved in advance by the faculty adviser and the school director.

Honors in the Major

The School of Communication offers a program in honors in communication to encourage talented juniors and seniors to undertake independent and original research as part of the undergraduate experience. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Requirements for a Minor in Communication

The School of Communication offers a minor in communication on a space available basis only. The minor consists of twelve semester hours in communication selected from the following courses:

ADV 3008	Principles of Advertising (3)
ADV 3352	Mass Media Law (3)*
ADV 3410	Hispanic Marketing Communication (3)*
COM 3332	New Communication Technology (3)*
COM 3420	Media, Culture, and the Environment (3)
COM 3483	Reel Legal (3)
COM 3930	Special Topics in Communication (3)
MMC 2000	Introduction to the Mass Media (3)*
PUR 3000	Introduction to Public Relations (3)*
RTV 3001	Media Techniques (3)*
SPC 3210	Contemporary Human Communication (3)*

*Available online

Only coursework with a grade of "C–" or above in four of these courses will count toward the minor. Credit earned in meeting the Oral Communication Competency Requirement (OCCR) may not be used to satisfy the minor. At least six semester hours of the communication minor must be taken in the Florida State University School of Communication.

In cooperation with the College of Arts and Sciences, the School of Communication also offers an interdepartmental film studies minor. For additional information on this minor, as well as other programs currently in development, refer to the "College of Motion Picture Arts" chapter of this *General Bulletin*, or the departmental Web site at <http://film.fsu.edu/>.

The School of Communication also offers a minor in Multicultural Marketing Communication. Please contact the school for more information.

Description of Emphasis Areas

Advertising and Public Relations

- **Career and Educational Goals.** Students in this emphasis area will master skills necessary for a career in advertising or public relations.
- **Skills to be Developed.** Advertising students will focus on account management, creative strategy, media planning, and research skills. Public relations students will concentrate on public relations writing, tactics, research, and campaign management skills.
- **Focus Areas.** A student applying to this program is required to indicate on the application form his/her preferred focus area: advertising or public relations.

Major Hours Required. Thirty-nine semester hours. All work counted toward the major must carry a grade of "C–" or better.

- **Required Minor.** A minor (or second major), with adviser approval, is required. All minor work must be in a department other than the School

of Communication. All work counted toward the minor must carry a grade of “C–” or better. Requirements for the minor are established by the minor department and can be found in this *General Bulletin*. Suggested minors include: business, psychology, English, journalism (at FAMU), political science, social science, an interdepartmental minor, and others, depending upon one’s career objectives.

- **Internship.** Advertising and public relations students are required to earn internship hours. Please see our Web site at <http://www.comm.cci.fsu.edu/> for more information regarding this requirement.

Course Requirements for the Advertising and Public Relations Emphasis Areas

A listing of specific courses and requirements is available at <http://www.academic-guide.fsu.edu/>.

Media/Communication Studies

- **Career and Educational Goals.** Students graduating in this emphasis area should have a solid liberal arts education. Degrees in media/communication studies are applicable to a number of fields including law, ministry, speech writing, management, lobbying, management or production careers in media, cable, advertising, video production, arts and entertainment, emerging information technologies, and related fields. (Prospective students should note that the School of Communication does not offer a program in print or broadcast journalism.)

Major Hours Required. Thirty-three semester hours. All work counted toward the major must carry a grade of “C–” or better.

- **Required Minor.** A minor (or second major), with adviser approval, is required. All minor work must be in a department other than the School of Communication. All work counted toward the minor must carry a grade of “C–” or better. Requirements for the minor are established by the minor department and can be found in this *General Bulletin*. Recommended minors include: English, political science, psychology, journalism (at FAMU), sociology, women’s studies, African-American studies, or British studies (the Florida State University London Program). A fifteen semester hour interdepartmental minor is also possible, provided the coursework is outside of the School of Communication and is approved in advance by the faculty adviser and the school director.
- **Internship.** An internship (COM 4945r) is strongly recommended. A student may enroll for up to twelve semester hours of internship, but a maximum of three semester hours may be credited toward the major.
- **Recommended Extracurricular Activities.** Speech and Debate, V89, Women in Communication, student government, theatre productions, Seminole Productions, WFSU and 4FSU, Lambda Pi Eta.

Course Requirements for the Media/Communication Studies Emphasis

A listing of specific courses and requirements is available at <http://www.academic-guide.fsu.edu/>.

Media Production

- **Career and Educational Goals.** Students with an emphasis in media production typically pursue management or production careers in broadcasting, cable, advertising, video production, arts and entertainment, emerging information technologies, and related fields. Prospective students should note that the School of Communication does not offer a program in print or broadcast journalism.
- **Areas of Special Knowledge and Skills to be Developed.** The media production emphasis will expose students to techniques employed in the production of digital media. Students may acquire such skills as writing for the media, on-camera performance, video production, and video editing.

Major Hours Required. Thirty-nine semester hours are required in the media production area. All work counted toward the major must carry a grade of “C–” or better.

- **Required Minor.** A minor (or second major), approved by your adviser, is required. All work must be in a department other than the School of Communication. All work counted toward the minor must carry a grade of a “C–” or better. Requirements for the minor are established by the minor department and can be found in this *General Bulletin*. Recommended minors include: business, English, political science, psychology, journalism (at FAMU), sociology, criminology, social sciences, American studies, or British studies (the Florida State University London Program). A fifteen semester hour interdepartmental

minor is also possible, provided the coursework is outside the School of Communication and is approved in advance by the faculty adviser and the school director.

- **Internship.** An internship (COM 4945r) is strongly recommended. A student may enroll for up to twelve semester hours of internship, but a maximum of three semester hours may be credited toward the major.

Course Requirements for the Media Production Emphasis

A specific listing of courses and requirements is available at <http://www.academic-guide.fsu.edu/>.

Definition of Prefixes

ADV—Advertising

COM—Communication

FIL—Film

MMC—Mass Media Communication

ORI—Oral Interpretation

PUR—Public Relations

RTV—Radio-Television

SED—Speech Education

SPC—Speech Communication

VIC—Visual Communication

Undergraduate Courses

ADV 3001. Creative Strategy I (3). This foundation course in advertising explores creativity in a workshop environment.

ADV 3008. Principles of Advertising (3). This course explores advertising and promotion as related to level of economic growth, cultural influences, and sociological environments.

ADV 3352. Mass Media Law (3). This course offers a comprehensive review of laws, rules, and regulations affecting both the advertising and broadcast industries as well as other forms of mass media. Includes review of libel, slander, invasion of privacy, gathering of information, and copyright laws.

ADV 3410. Hispanic Marketing Communication (3). This course prepares undergraduate students to become educated decision makers and consumers of information regarding U.S. Hispanic marketing communication issues.

ADV 4300. Media Planning (3). Prerequisite: ADV 3008. This course explores the coordination of advertising and marketing research, planning, creative strategy, and selection of media and production activities leading to the development of advertising campaigns.

ADV 4411. Multicultural Marketing Communication (3). This course is geared to train students to become effective communicators and marketers when reaching out to multicultural society. Marketers, communicators, and service providers interested in being effective in reaching out to culturally diverse groups need to become adept at designing messages and strategies geared to a culturally diverse society.

ADV 4500. Advertising Research (3). Prerequisite: ADV 3008. This course covers survey, observational, and experimental methods and processes. Topics include research design, planning, questionnaire construction, sampling, validity measurements, field work, tabulations, presentation, and interpretation.

ADV 4603. Account Planning (3). This course explores account planning as a growing practice in advertising and public relations that emphasizes placing the consumer at the center of strategic planning. The account planner obtains consumer insights and ensures that the planning process is informed by consumer needs, values, and dispositions.

ADV 4800. Creative Strategy II (3). Prerequisites: ADV 3008, ADV 3001, and ADV 4500. This course fosters creative and empathetic skills necessary in communicating via print and electronic media and enables students to utilize these skills in creating integrated advertising campaigns.

COM 2412. Culture, Identity and Communication in Context (3). This course brings international and U.S. American students together to explore intercultural communication in a specific set of contexts, including the academic environment; day to day social interactions; family structures; national political scenes; the business world, and more.

COM 3110. Communication for Business and the Professions (3). This workplace-oriented course provides practical education and experience in the performance of informative, persuasive, and special occasion speeches through individual and group presentations. Fulfills OCCR requirement.

COM 3120. Communication for Organizing (3). This course focuses on communication and group problem solving in bureaucracies.

COM 3310. Communication Research Methods (3). This course is an introduction to communication research methods. It examines survey, experimental, observational, and content analysis methods. Philosophy of science, research design, measurement, sampling, data collection, analysis, interpretation, and reporting.

COM 3310L. Communication Research Methods Laboratory (1). Corequisite: COM 3310. This lab examines applications and simulations of communication research methods. Lecture material covering research design, measurement, sampling, data collection, analysis, interpretation, and reporting practiced using computer technology.

COM 3332. New Communication Technology and Contemporary Society (3). This course relates the design, development, and the use of new communication technologies to social, economic, and policy implications. Lecture, labs, and discussion groups.

COM 3420. Media, Culture, and the Environment (3). This course examines the role of language and representation in our understanding of the natural world. The course examines news media coverage of environmental issues, environmental images in popular culture, as well as the communication strategies of environmental organizations.

COM 3483. Reel Legal (3). This course provides students with a basic understanding of the law through the use of films about the law. Concepts include: natural law, coaching witness, rights of the accused, jury deliberations, perjury, legal ethics, congressional investigations, obligation of witnesses, right to counsel, etc. Topics such as race, class, gender, and ethnicity as pertaining to law are also explored.

COM 3510. Political Communication and Campaigning (3). This course explores campaigns, elections, and American politics in a communication framework; planning campaign strategies.

COM 3930r. Special Topics in Communication (3). This course is an analysis of specialized topics of current concern in communication. May be repeated to a maximum of six semester hours; duplicate registration allowed.

COM 3933r. Application of Communication Skills (1–6). (S/U grade only.) This course combines some classroom lecture with other types of instruction that allows students to apply a variety of communication skills in diverse settings. The course is meant for groups of students rather than individuals. The other types of instruction can be a combination of any or all of the following: internship, directed individual study, project implementation, laboratory, and other instructional modes tailored to the specific topic of the course and the educational goal of the students. May be repeated to a maximum of six semester hours; duplicate registration allowed.

COM 3949r. Cooperative Education Work Experience (0). (S/U grade only.) Prerequisite: Instructor permission. This non-credit, experiential learning course offers students an opportunity to gain “real world” on-the-job work experience related to a specific academic field of study. Students must register for this course through the FSU Career Center.

COM 3950r. Communication Activities (1). (S/U grade only.) May be repeated to a maximum of four semester hours; duplicate registration allowed.

COM 4132. Communication and Stress Management (3). This course examines the causes of and remedies for stress in the workplace. The course provides practical education in controlling stress that emphasizes primarily organizational, intrapersonal, and interpersonal communication skills and utilizes primarily written channels. The course is reading and writing intensive.

COM 4330. Communication and the Internet (3). This course develops technical and communication skills in Internet-based communication technologies. Hands-on survey of Internet technologies with focus on communication issues, problems, and competencies.

COM 4470. Desktop Multimedia (3). This course provides overview of operations and applications of software packages; principles of design and presentation for print-based as well as audio-visual productions.

COM 4480. Legal Communication (3). This course is an analysis of how communication affects and is affected by our legal institutions and processes.

COM 4905r. Directed Individual Study (1–3). (S/U grade only.) Instructor approval required. May be repeated to a maximum of eight semester hours; duplicate registration allowed.

COM 4909r. Honors Work (1–6). This course is for students in the honors program who are working on an honors thesis. May be repeated to a maximum of nine semester hours; duplicate registration not allowed.

COM 4910r. Application of Research Methods (1–3). (S/U grade only.) Prerequisite: Instructor permission. This course offers experience in methods and strategies of research in communication concepts. Individually designed to accommodate student's background and objectives. May be repeated to a maximum of four semester hours; duplicate registration allowed.

COM 4930r. Undergraduate Seminar in Communication (3). This course explores advanced communication issues with an emphasis on research. May be repeated to a maximum of six semester hours; duplicate registration allowed.

COM 4935r. Senior Seminar in Communication Studies (3). This course is an advanced seminar in communication studies with an emphasis in legal communication studies, communication and culture, or rhetorical studies.

COM 4941r. Application of Instructional Methods (1–3). (S/U grade only.) Prerequisite: Instructor permission. This course provides experience in methods and strategies of teaching communication concepts within the University context. Individually designed to accommodate student's background and objectives. May be repeated to a maximum of three semester hours; duplicate registration not allowed.

COM 4945r. Communication Internship (1–12). (S/U grade only.) Prerequisite: Faculty adviser's approval. Supervised internship. Credit proportional to scope and significance of work. Credit may not be applied to graduate degrees. Individually designed to accommodate student's background and objectives. May be repeated to a maximum of twelve semester hours.

FIL 2000. Elements of Film (3). This course provides the student with an opportunity to study classic examples of superior filmmaking and develop critical skills that will help the individual understand and evaluate film communication, literature, and art.

MMC 2000. Introduction to the Mass Media (3). This course covers a historical and social overview of the mass media and their relationship to the mass communication process in a modern society.

MMC 3703. Media, Sports, and Society (3). Prerequisite: MMC 2000. This course introduces students to various aspects of the sports-media relationship, including the history of, the industries that constitute, the audiences drawn to, and the social issues that arise from the relationship.

MMC 4200. Media Legalities (3). Prerequisite: MMC 2000. This course is a review and application of media business practices and legal requirements involved in the conception and production of media content for radio and television.

MMC 4203. Media Ethics (3). Prerequisite: MMC 2000 or RTV 3001. This course surveys the ethical principles, standards, and problems in the practice of journalism, advertising, and/or public relations.

MMC 4300. Communication and Change: The Diffusion of Innovations (3). This course is an analysis of the process of change in developing countries, particularly from the standpoint of how communication is used in the introduction, spread, and adoption of new ideas.

MMC 4602. Mass Media and Society (3). Prerequisite: MMC 2000. This course is an analysis of the effects of mass media on public opinion and behavior. A review of social science research exploring the impact of TV on children and others.

MMC 4641. Political Economy of Media (3). Prerequisite: MMC 2000 or RTV 3001. This course covers the structure and functions of U.S. and other mass-communication systems as well as their relationship to the political and economic systems.

ORI 3004. Performance Studies (3). This course allows students to collect, analyze, and perform personal narratives and everyday conversations.

ORI 3110. Performance of Contemporary Literature (3). This course includes analysis of and practical experience in the performance of poetry and prose.

PUR 3000. Introduction to Public Relations (3). This course introduces the student to the principles and practices of the public relations profession throughout all organizations using public relations.

PUR 3002. Public Relations Techniques (3). Prerequisites: PUR 3000 and PUR 3100. This course covers the tools and techniques of public relations. Application of public relations principles.

PUR 3100. Writing for Public Relations (3). Prerequisite or corequisite: PUR 3000. This course is designed to develop professional-level writing skills for public relations.

PUR 3930. Public Relations Proseminar (1). (S/U grade only.) Corequisite: PUR 3000. Public relations majors must register for the proseminar on admission to the program. They are to become active in FPRA, PRSSA, or WIC and remain active during undergraduate work.

PUR 4600. Public Relations Management: Cases and Campaign Strategies (3). Prerequisites: PUR 3000, PUR 3002, and PUR 3100. This course is designed to focus on the management function of public relations. Focus on significant cases and campaign strategies.

PUR 4940r. Public Relations Internship (1–12). (S/U grade only.) Prerequisites: PUR 3000, PUR 3002, and PUR 3100. This course consists of practical application of classroom principles in public relations settings. May be repeated to a maximum of twelve semester hours.

RTV 3001. Media Techniques (3). This course introduces students to basic principles and terminology associated with photography, filmmaking, television, and radio.

RTV 3003. Elements of Broadcasting (3). This course surveys American broadcasting from the standpoint of communicators, organizations, content, and audience with special emphasis on research.

RTV 3101. Writing for the Electronic Media (3). This course consists of non-fiction writing for television and radio including public affairs, commercials, and documentaries.

RTV 3206. Directing Performance for the Camera (3). Prerequisite: RTV 3260. This course allows students to direct student actors in a workshop setting. Actors and directors gain experience with an appreciation for those on the other side of the camera. Lecture-laboratory.

RTV 3220. Television Production (4). Prerequisite: Admission to the Media Production major. This course consists of the fundamentals of studio and field production including camera, audio, lighting, and production planning using the crew system.

RTV 3225r. Video Workshop (1–3). (S/U grade only.) Prerequisite: Communication major status. This course is designed for students to gain experience in the production of television programs and video projects. May be repeated to a maximum of three semester hours. May be repeated within the same semester.

RTV 3228. Multiple Camera Studio Production (3). Prerequisite: RTV 3260. This course studies the direction and production of multiple-camera studio video projects including camera, lighting, audio, and live-to-tape switching.

RTV 3234. Television Interviewing and Hosting (3). Lecture-laboratory. This course introduces students to on-camera interviewing and hosting of news and public affairs programs including research and writing components.

RTV 3260. Single-Camera Video Production (3). This course addresses direction and production of single-camera video projects including camera, audio, lighting, and linear editing.

RTV 3263. Video Post Production (3). This course consists of advanced editing and post production techniques applied to field and studio projects. Emphasis on digital non-linear editing systems.

RTV 3264. Computer Graphics and Animation (3). Prerequisites: RTV 3260 and RTV 3263. This course studies the design and production of computer-generated graphics and animation for video projects.

RTV 3310. Narrative Writing for Television and Film (3). This course consists of the development and writing of fictional scripts for television and film.

RTV 3926r. Radio Workshop (1–3). (S/U grade only.) This course consists of general staff work in any department of the campus student-run radio station. Designed to afford both entry-level training and advanced application of skills. Students must work three hours per week for one hour of credit. May be repeated to a maximum of three semester hours.

RTV 3941r. Radio Practicum (3–6). Prerequisite: Instructor permission. This course consists of advanced radio work in either of two areas: management or other supervisory roles at the student radio station; or special individual projects in the application, study, or research of audio pertaining to radio broadcasting. May be repeated to a maximum of six semester hours.

RTV 4276. Advanced Feature Production (3). Prerequisites: RTV 3260 and RTV 3263; or RTV 3220. This course is a “professional experience” course designed to give students professional production experience in an educational environment. Students act as the production crew on program features. This includes videography, editing, audio, and graphic design.

RTV 4291. Advanced Narrative Production (3). Prerequisites: RTV 3260 and RTV 3263. This course includes original student narratives produced through writing, pre-production, and post-production stages.

RTV 4332. Documentary Video Production (3). Corequisites: RTV 3260 and RTV 3263. This course offers instruction in the theory and practice of production of non-fiction documentary video. Students produce a final video product after studying the documentary tradition, theory, and history.

RTV 4467r. Television Practicum (3–6). Prerequisites: RTV 3260 and RTV 3263. This course consists of producing and directing television programs and video projects. May be repeated to a maximum of six semester hours.

RTV 4504. Electronic Media Audience Measurement (3). Corequisite: ADV 3008. This course provides an understanding of past and current methods of measuring radio, TV and cable audiences; terms and formulas used by the ratings services; the local market radio (Arbitron) and TV (Nielsen) reports; how ratings and other audience estimates are utilized in radio/TV/cable programming and sales; the newest developments in audience measurement; customized and qualitative approaches to audience measurement; and computer applications widely used in the broadcasting and advertising industries.

RTV 4800. Radio-Television Station Operation and Programming (3). Corequisite: MMC 2000. This course deals with the purpose, function, organization, and programming of the radio and television station with an emphasis on research.

RTV 4930. Los Angeles Television Experience (3). Prerequisite: Admission to the Media Production major. This course examines the TV and film industry in Los Angeles including the industry structure, production cycles, the studios, the networks, and the writers. The course takes place in Los Angeles and also addresses professional career paths in the Los Angeles entertainment industry.

RTV 4970. Senior Thesis in Production (3). Prerequisites: Senior standing, twelve semester hours of 3000 level production courses, and instructor permission. This culminating course for students in production enables individual students, focusing on areas they have mastered in intermediate courses, to produce senior thesis video projects.

SPC 1017. Fundamentals of Speech (3). This course provides a survey and application of communication theory, including interpersonal communication, small group communication, and public speaking.

SPC 2608. Public Speaking (3). This course covers both the principles of and the practical experience of public speaking. The course is required of all majors. The course is also available in hybrid format (part online, part classroom).

SPC 3210. Contemporary Human Communication (3). This introductory course surveys current scholarship in five areas of communication theory: group, rhetorical, interpersonal, legal, and performance communication.

SPC 3231. Contemporary Rhetorical Theory (3). Recommended prerequisite: SPC 3210. This course examines rhetorical theorists of the 20th century, including Burke, Richards, Foucault, Habermas, Fisher, and Weaver.

SPC 3233. Classical Rhetoric (3). Recommended prerequisite: SPC 3210. This course allows students to examine the origins of rhetorical theory during the classical period. The course emphasizes ideas on rhetoric of Plato, Aristotle, Cicero, and Quintillian.

SPC 3301. Interpersonal Communication (3). This course is a survey of recent literature on interpersonal communication including such topics as self-concept, emotional behavior, interpersonal conflict, and interpersonal attraction.

SPC 3331. Nonverbal Communication (3). This course is a review of recent literature on nonverbal communication including such topics as kinesics, proxemics, kinesthetic behavior, environment, physical characteristics, and personal appearance.

SPC 3425. Communication in Small Groups (3). This course in small groups includes both cognitive and experiential elements. Students study how small groups function as they create their own project groups and learn by doing.

SPC 3513. Argumentation (3). This course focuses on the principles of argumentation theory and the practical applications of these principles in different argumentative situations. Traditional as well as contemporary approaches to the study of argument are combined with the settings of argument to provide a practical experience for each student.

SPC 3593r. Competitive Intercollegiate Forensics (1). This course consists of competitive debate and individual events. Experienced students develop and perfect their speaking skills in a highly competitive, structured format of instruction and competition. May be repeated to a maximum of eight semester hours.

SPC 3644. Rhetoric of Didactic Literature (3). This course is an analysis of drama as an instrument for advancing a political or social thesis.

SPC 4360. Interviewing (3). This course is an analysis of the interview process in a variety of specific contexts and the development of communication skills used in interviewing.

SPC 4445. Group Dynamics and Leadership (3). Prerequisite: SPC 3425. This course is a review of concepts and research in group process and group leadership.

SPC 4540. Persuasion (3). This course is a study of the psychology of attitude formation and change, including theories of persuasion and principles of persuasive communication.

SPC 4605. The Principles of Speechwriting (3). Corequisite: COM 3110. This course explores the history and principles of speechwriting, the ethical issues involved, and speechwriting skills based on sound principles of communication.

SPC 4630. Rhetoric of Women's Issues (3). This course is an examination of selected social and political issues that affect women today. The course includes analysis of content, lines of argument, supporting evidence, and rhetorical strategies.

SPC 4680. Methods of Rhetorical Criticism (3). Recommended prerequisite: SPC 3231 or SPC 3233. This course examines methods for the practice of doing criticism of rhetorical discourse. Topics include Aristotelian, Metaphor, narrative, post-modern, and cultural approaches to the analysis of texts.

SPC 4710. Interracial/Intercultural Communication (3). This course is an exploration of interracial and intercultural communication and the philosophies that underlie the concept.

SPC 4711. Gender and Communication (3). This course is designed to help students gain knowledge of the theory and process of gender communication (about and between genders) from an interpersonal context perspective.

Graduate Courses

- ADV 5007.** Foundations of Integrated Marketing Communications (3).
- ADV 5415.** Hispanic Marketing Communication (3).
- ADV 5416.** Multicultural Marketing Communication (3).
- ADV 5503.** Media Consumer Behavior (3).
- ADV 5605.** Account Planning (3).
- ADV 5701.** Communication Career Futures (3). (S/U grade only.)
- COM 5126.** Organizational Communication Theory and Practice (3).
- COM 5127.** Assessing Organizational Communication (3).
- COM 5312.** Research Methods in Communication (3).
- COM 5314.** Measurement of Listener-Viewer Attitude and Response (3).
- COM 5316.** Statistical Methods in Communication Research (3).
- COM 5317.** Content Analysis in Communication Research (3).
- COM 5331.** Computers in Communication Research (3).
- COM 5338.** Web Site Usability and Design (3).
- COM 5339.** Interactive Programming and Design for the Web (3).
- COM 5340.** Historical-Critical Methods of Research (3).
- COM 5348.** Qualitative Methods in Communication Research (3).
- COM 5364.** Foundations of Digital Media (3).
- COM 5365.** Computer Graphics and Animation (3).
- COM 5401.** Analysis of Communication Theory (3).
- COM 5426.** Media, Culture, and the Environment (3).
- COM 5450.** Introduction to Project Management (3).
- COM 5451.** Advanced Topics in Project Management (3).
- COM 5452.** Agile Project Management (3).
- COM 5467.** System Thinking and Project Management (3).
- COM 5469.** Communication Planning and Dispute Resolution (3).
- COM 5526.** Marketing Communication Management (3).
- COM 5546.** Political Communication (3).
- COM 5906r.** Directed Individual Study (1-3). (S/U grade only.)
- COM 5911r.** Supervised Research (1–5). (S/U grade only.)
- COM 5920r.** Colloquium in Communication (0–1). (S/U grade only.)
- COM 5940r.** Supervised Teaching (1–5). (S/U grade only.)
- COM 5946r.** Communication Residency (1–6). (S/U grade only.)
- COM 6015.** Gender and Communication (3).
- COM 6400r.** Seminar in Communication Theory (3).
- COM 6403r.** Advanced Problems in Communication Theory and Research (2–8).
- COM 6900.** Preparation for the Preliminary Examination (2–4). (S/U grade only.)
- COM 6931r.** Special Topics in Communication Research (3).
- MMC 5305.** Comparative Systems of Mass Communication (3).
- MMC 5600.** Mass Communication Theory and Effects (3).
- MMC 5646.** Political Economy of Media (3).
- MMC 6469.** The Diffusion of Innovations (3).
- MMC 6920r.** Colloquium in Mass Communication (3).
- RTV 5253.** New Communication Technology Theory and Research (3).
- RTV 5292.** Advanced Narrative Production (3).
- RTV 5325.** Documentary Video Production (3).
- RTV 5702.** Communication Regulation and Policy (3).
- RTV 6425r.** Advanced Seminar in New Communication Technologies (3–6).
- SED 5346.** Teaching Oral Communication Courses (3).
- SPC 5234.** Classical Theories of Rhetoric (3).
- SPC 5442.** Group Dynamics and Leadership (3).
- SPC 5545.** Studies in Persuasion (3).
- SPC 5614.** Criticism of Contemporary Public Address (3).
- SPC 6236.** Contemporary Rhetorical Theory and Criticism (3).

SPC 6306. Contemporary Topics in Interpersonal Communication (3).

SPC 6920r. Colloquium in Speech Communication (3).

VIC 5006. Visual Communication (3).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

School of COMMUNICATION SCIENCE AND DISORDERS

COLLEGE OF COMMUNICATION AND INFORMATION

Web Page: <http://www.commdisorders.cci.fsu.edu/>

Director: Julie Stierwalt; **Professors:** LaPointe, Morris, Woods; **Associate Professors:** Horton, Jackson, Stierwalt; **Assistant Professors:** Lansford, Macrae, MacPherson; **Associates in Communication Science and Disorders:** Gessner, Justl, Nimmons, Snowden; **Assistants in Communication Science and Disorders:** Brosnan-Maddox, Davis, Montgomery, Walker

The mission of the School of Communication Science and Disorders is to prepare undergraduate and graduate students to demonstrate broad-based knowledge in communication processes and disorders and to integrate theoretical knowledge and research findings with clinical practicum experiences. The program prepares students to become speech-language pathologists who can provide effective diagnostic and treatment services to individuals with a wide variety of speech, language, and hearing impairments. It also prepares clinical scientists to generate new knowledge pertaining to communication processes and innovative strategies for evaluating and managing communication disorders. The mission is carried out through clinical and instructional programs, professional and clinical service, and clinical research. The school provides education for students seeking the Bachelor of Science (BS), Bachelor of Arts (BA), Master of Science (MS), and Doctor of Philosophy (PhD) degrees.

The Florida State University has approved American Sign Language as a substitute for a foreign language for the Bachelor of Arts (BA) degree. The sequence of American Sign Language courses includes: Beginning ASL (ASL 1140C), Intermediate ASL (ASL 2150C), and Advanced ASL (ASL 2160C). ASL courses may not be taken for a Satisfactory/Unsatisfactory (S/U) or Pass/Fail (P/F) grade. These courses may not be available to non-Communication Science and Disorders majors every semester.

Students with previous experience with ASL may wish to take a placement exam administered on an individual basis. Students interested in pursuing this option should contact the academic office at (850) 644-2253. Students will not earn University credits for ASL coursework they need not complete. The school does not offer a degree in education of the Deaf nor in sign language interpretation.

Students enrolled in programs of the School of Communication Science and Disorders at Florida State University are provided unique experiences because of the learning environment. The school is in the College of Communication and Information, which provides numerous collateral educational experiences. The L.L. Schendel Speech and Hearing Clinic is the primary teaching and research laboratory for students and faculty and provides comprehensive, multidisciplinary evaluation and treatment services to persons in the community and region with communication disorders. The newly renovated Warren Building has space for a variety of specialized functions including videotape laboratories, diagnostic audiology instrumentation, sound isolation rooms, non-speech systems, and a complement of other clinical resources for clinical instruction and delivery of clinical services.

The School also maintains a number of Communication Science and Disorders laboratories for the study of physical and psychological aspects of sound, speech, voice, and language. These facilities provide space and highly specialized equipment to students and faculty, including laboratories for study in speech and voice science, language and literacy, early language development, and adult language.

In addition, the School administers the Interdepartmental Certificate Program in Developmental Disabilities. The purpose of this program is to provide upper-division undergraduate students from a variety of disciplines with knowledge regarding etiology, assessment, treatment, and policy issues related to individuals with developmental disabilities and their families. Students seeking certification must complete nine semester hours of coursework from three different departments and three semester hours of practicum from an approved list of courses and practica. No more than three semester hours may be taken in the student's major area of study. More than forty courses are available in the following disciplines: art education; communication science and disorders; family and child sciences; middle and secondary education; music education/therapy; nursing; psychology; social work; and special education.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.ftvc.org/ftvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. STA XXXX
2. BSC XXXX or APK XXXX or ANT X511
3. PSY XXXX or EXP XXXX or CLP XXXX or DEP XXXX or SYG XXXX or SYD XXXX or SYO XXXX or SYP XXXX or FYC XXXX or FAD XXXX
4. PHY XXXX or CHM XXXX or PSC XXXX

Minimum Requirements for Application

Students normally enter the program at the junior level, must have a minimum grade point average (GPA) of 3.0 for all coursework, and have successfully completed Florida State University's liberal studies requirements. Admission to Florida State University does not ensure admission to the School of Communication Science and Disorders, **nor does attainment of the minimum grade point average.** Formal application to the school is required of all entering majors. Non-FSU or transfer students also must apply to the University. Normally, admission is for the Fall semester. All materials necessary for admission applications must be submitted directly to the school by the first business day in February by 5:00 p.m. EST for priority admission. Additional deadlines and admission procedures can be found on the school Web site, at <http://www.commdisorders.cci.fsu.edu/>. It is recommended that students include MAC 1105 and STA 2122 in their pre-major coursework.

Students applying for admission must:

1. Have an overall GPA of 3.0 or higher on all college coursework to be considered for admission
2. Have completed CLEP and accelerated credit scores posted by time of application
3. Have all liberal studies course substitutions approved by the appropriate dean and posted by time of application
4. In addition, students must complete the following requirements by the end of the Spring semester in which they are applying
 - a. A minimum of fifty-two semester hours of college coursework accepted by Florida State University
 - b. Successfully complete all Liberal Studies and writing requirement coursework as accepted by Florida State University

Note: All coursework for eligibility must be reflected on submitted transcripts or on Spring course schedules by the application deadline.

Requirements for an Undergraduate Major in Communication Science and Disorders

The curriculum leading to the baccalaureate degree consists of forty-two credit hours of upper division coursework and combines liberal arts education with pre-professional preparation for the graduate program in the School or elsewhere. At the undergraduate level, students are provided experiences relating to the basic processes of hearing, language, and speech. The junior-year course offerings focus on the basic science and developmental foundations considered prerequisite for the specialty curricula initiated during the senior year. To qualify for graduation from the major, all undergraduates in Communication Science and Disorders must earn a grade of "C–" or better for each required major course and must have an overall GPA of at least 2.0 in major coursework, and complete forty-two credit hours of School of Communication Science and Disorders major coursework.

Speech-language pathology courses cover the nature, evaluation, and treatment of problems of articulation, language, fluency, voice, neurophysiological, and structural disorders affecting speech and language. Audiology courses are concerned with the identification, measurement, evaluation, and rehabilitation of persons with hearing impairments. Studies in communication science concern analysis and measurement of components of the production, transmission, and reception of the speech signal.

Undergraduate students learn anatomy and physiology of the speech and hearing mechanisms; sound and its perception; the development of language and communication systems; the components of the English sound system; the neurological bases of speech, language, and hearing; sign language; strategies for clinical intervention; diagnostic/evaluation strategies in speech, language, and hearing; basic concepts related to disorders in language, phonology, and fluency; as well as professional issues in communication disorders.

The major professional, educational, and clinical experiences occur during graduate studies leading to the master's degree. Eligibility for the cer-

tificate of clinical competence from the American Speech-Language-Hearing Association and state licensure are not possible until the requirements for the master's degree are met.

The master's of speech-language pathology program is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology and prepares students to work in hospital, clinical, school, or private settings with a variety of developmental and acquired communication disorders.

Modern/Foreign Language Competency

Students admitted into the School of Communication Science and Disorders undergraduate program will be required to become proficient in one language other than English prior to graduation. Proficiency is defined as a letter grade of "C–" or better per course in a modern or classical foreign language through the intermediate level (a language course numbered 2220 or its equivalent) or a letter grade of "C–" or better in American Sign Language courses through the advanced level (ASL 2160C). Students **may not** take ASL courses for S/U or P/F grades. Native speakers of another language and other students who wish to demonstrate proficiency by means other than coursework should consult the Department of Modern Languages and Linguistics, or for American Sign Language, the School of Communication Science and Disorders.

Fulfilling the language requirement for the School will partially fulfill the University requirements for a Bachelor of Arts (BA) degree. To earn a BA degree, a student must complete the language requirement and take an additional nine semester hours in the fields of humanities or history beyond the liberal studies requirements. Please consult the "Undergraduate Degree Requirements" chapter of this *General Bulletin* for more information. If the additional nine semester hours in humanities or history are not present on the student record at the point of graduation, the student could expect to earn a Bachelor of Science (BS) degree.

Please note that the School's classical or modern foreign language requirement is more extensive than the University's foreign language admission requirement. It is important to understand that, although completion of two years of high school foreign language courses or two semesters of post-secondary foreign language will satisfy the University's admission requirement, these courses do not satisfy the School of Communication Science and Disorders foreign language graduation requirement for BA/BS students.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in communication science and disorders satisfy this requirement by earning a grade of "C–" or higher in CGS 2060 or CGS 2100.

Retention Standards

The School of Communication Science and Disorders reserves the right to discontinue enrollment of any student in the major at any time if, in the judgment of the faculty, the student does not meet the standards of the School or the major. Specifically, majors in the School of Communication Science and Disorders must maintain an overall GPA of 3.0 on all college coursework or they may be placed on probation and may be dropped subsequently from the major.

Definition of Prefixes

ASL—American Sign Language

LIN—Linguistics

SPA—Speech Pathology and Audiology

Undergraduate Courses

ASL 1140C. Beginning American Sign Language (4). This course is designed to introduce students to the vocabulary, grammar, and non-verbal aspects of American Sign Language with an emphasis on basic dialogue skills.

ASL 2150C. Intermediate American Sign Language (4). Prerequisite: ASL 1140C. This course is designed to expand the students' comprehension and production of American Sign Language with a primary emphasis on dialogue. Focus is on increased vocabulary, conceptual accuracy, verb inflections, and ASL idioms.

ASL 2160C. Advanced American Sign Language (4). Prerequisite: ASL 2150C. This course is designed to produce a fluent sign language user with high-level encoding (production), decoding (reception), and pragmatic skills (cultural rules for conversation) when signing dialogues and narratives.

ASL 2400. Introduction to Sign Language Systems (2). This course provides an introduction to the deaf culture and to sign language as a communication system, and encoding and decoding skills of Signed English and finger spelling.

ASL 2510. Deaf Culture (3). This course acquaints students with the political, cultural, educational, and social parameters of Deaf Culture. International and United States perspectives are included.

LIN 3200. Fundamentals of Phonetics (3). This course is a study of the acoustical and physiological aspects of speech-sound production. An orientation to the international phonetic alphabet and its use for the broad transcription of General American English.

SPA 2001. Communication Sciences and Disorders (3). This introductory course provides an overview of human communication disorders with a focus on the neuro-anatomic, acoustic, biological, psychological, developmental, and linguistic principles underlying human communication disorders. It also provides an overview of the field of speech-language pathology and audiology with an emphasis on the scientific aspects of clinical assessment and rehabilitation of clients. Intended for non-majors. May not be taken for S/U or P/F grade; must be taken for letter grade only.

SPA 2020. Effective Oral Communication (3). This course surveys and applies selected techniques for generating effective oral communication using standard American English. Course topics include listening and speaking skills, vocal health, interpersonal communication, public speaking, speaking apprehension, and dialect/accents differences. Speaking activities are designed to meet the student's professional goals.

SPA 3801r. Applications of Research in Communication Sciences and Disorders (1-3). This course teaches basic research concepts and skills through practical experiences. Students apply research techniques while assisting with activities in various research settings, through simulations in the classroom, and through individual projects.

SPA 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

SPA 4004. Normal Communication Development (4). This course provides an overview of the fundamental bases of language development, offering skills and knowledge that are pivotal to preparing future professionals for a variety of careers and scientific inquiry. This overview serves as a foundation for advanced coursework and for a variety of professions such as working in an educational setting, in a child-care facility, with individuals with communication disorders, or conducting related research.

SPA 4011C. Acoustics for Speech and Hearing (4). This course covers basic acoustics and speech acoustics including frequency, intensity, duration, and wave composition and their psychological correlates, pitch, loudness, time, and sound quality. Lectures, demonstrations, and required laboratory project.

SPA 4050r. Clinical Observation and Practice (3). (S/U grade only.) Prerequisites: SPA 3201, SPA 4302, and SPA 4400. This course provides supervised practice in therapeutic procedures with persons with various speech-language problems. May be repeated to a maximum of three semester hours. Students may enroll in more than one section during the same semester.

SPA 4056. Clinical Methods (3). This course introduces students to clinical practice of speech-language pathology. Students become acquainted with the principles of assessment, application of diagnostic information, intervention planning, intervention strategies and techniques, service delivery options, and data collections. Students also gain an understanding of team membership and are introduced to the skills necessary for team building.

SPA 4101C. Anatomy and Physiology of the Speech Mechanism (4). This course is an introduction to the anatomy and physiology of the systems underlying speech production: respiration, phonation, articulation, and resonance. The anatomy and physiology of the ear are also introduced. Lecture and laboratory experiences.

SPA 4104. Neurological Bases of Communication (3). Prerequisite: SPA 4101C. This course covers normal neuroanatomy, neurophysiology, and neuropathologies affecting communication. Prior anatomy and physiology of speech mechanisms needed.

SPA 4112. Clinical Phonetics (4). This course focuses on the phonetic transcription of the spoken language. Students learn and frequently practice transcription of vowels and consonants at the levels of isolation, syllables, words, phrases, and connected speech. The course also covers relevant material about phonetics as a science, the similarities and differences between spelling and sound, the anatomy and physiology of the speech mechanism, clinical phonetics, and dialectal variation in the spoken language.

SPA 4255. Developmental Communication Disorders (3). This course places disorders in perspective, defines basic theories of causation, introduces identifying characteristics, and presents an overview of procedures for evaluation and treatment. Topics include cultural and linguistic diversity, evidence-based practice, and current trends in the discipline.

SPA 4257. Acquired Communication Disorders (3). This course introduces the principles involved with diagnosis and treatment of adults with communication disorders. Students in this course develop a fundamental knowledge of voice disorders, dysphagia, head and neck cancer, neurogenic communication disorders, motor speech disorders, language disorders, and cognitive-linguistic disorders.

SPA 4302. Introduction to Clinical Audiology (3). This course is an introduction to disorders of hearing and the measurement of hearing loss by pure-tone, speech, and impedance audiometry.

SPA 4302L. Introduction to Clinical Audiology Laboratory (1). (S/U grade only.) Prerequisite or corequisite: SPA 4302. This course is the practical application of the techniques learned in SPA 4302.

SPA 4321. Aural (Re)habilitation I (3). Prerequisite: SPA 4302. This course examines diagnostic-evaluation and (re)habilitation techniques.

SPA 4431. Nature of Autism and Severe Communication Disorders (3). This course provides class participants with an overview of the characteristics and etiology of autism spectrum disorders and the knowledge needed to develop effective communication and language assessment and intervention strategies for individuals with autism and severe communication disabilities.

SPA 4556r. Practicum in Developmental Disabilities (3). This course is designed to provide a field experience for undergraduate students to gain an understanding of the services available to help people with developmental disabilities. May be repeated to a maximum of six semester hours.

SPA 4800. Research Evaluation (3). This course explores elements of quantitative research and application of psychophysiological research methods to human communication problems.

SPA 4905r. Directed Individual Study (1-3). May be repeated to a maximum of eight semester hours. May be repeated within the same semester.

SPA 4930r. Undergraduate Seminar in Communication Disorders (1-3). Prerequisite: Instructor permission. This seminar provides undergraduate students with information on critical issues in the profession or information on innovative methodologies in the remediation of communication disorders. May be repeated to a maximum of six semester hours.

SPA 4970r. Honors Thesis in Communication Disorders (1-6). Prerequisites: Admission to honors program and admission to the School of Communication Science and Disorders. This course is available to seniors who are majoring in communication disorders and who are interested in undertaking independent and original research under the direction of a faculty member whose area of expertise matches the student's interest. May be repeated to a maximum of nine semester hours.

Graduate Courses

- SPA 5009. Normal Communication Development and Disorders (4).
- SPA 5012. Introduction to Communication Science (4).
- SPA 5033. Introduction to Clinical Audiology (4).
- SPA 5055r. Professional Tools in Speech-Language Pathology (1-3).
- SPA 5102. Neurological Basis of Communication (4).
- SPA 5103. Anatomy and Physiology: Speech, Language, and Hearing (4).
- SPA 5113. Clinical Phonetics (4).
- SPA 5204. Phonological Disorders (3).
- SPA 5211. Voice Disorders (3).
- SPA 5225. Fluency Disorders (3).
- SPA 5230. Motor Speech Disorders (3).
- SPA 5252. Speech Production and Swallowing Disorders (3).
- SPA 5254. Acquired Neurolinguistic and Cognitive Disorders (3).
- SPA 5256. Developmental Speech Disorders (3).
- SPA 5305Lr. Measurement and Management of Impaired Hearing (1-3).
- SPA 5322. Advanced Aural (Re)habilitation (3).
- SPA 5401. Communication Intervention: Infants and Preschoolers (3).
- SPA 5403. Language-Learning Disabilities in School-Age Children (3).
- SPA 5432. Autism and Severe Communicative Disabilities (3).
- SPA 5436. Nature of Autism (3).
- SPA 5460. Foundations of Developmental Communication Disorders (3).
- SPA 5462. Developmental Communication Disorders: School-Age Issues (3).
- SPA 5500. Clinical Practicum in the Schools (3).
- SPA 5505r. Advanced Speech-Language Pathology Practicum (1-4).
- SPA 5522. Medical Speech Pathology (3).
- SPA 5526L. Laboratory in Child Speech-Language Diagnostics (1-3).
- SPA 5528L. Laboratory in Adult Speech-Language Diagnostics (1-3).
- SPA 5553. Seminar in Clinical Differential Diagnosis (2).
- SPA 5554. Counseling in Speech-Language Pathology (3).
- SPA 5554Lr. Supervision and Counseling in Communication Disorders (1).
- SPA 5559. Augmentative Communication Systems (3).
- SPA 5562. Advanced Seminar in Augmentative and Alternative Communication (1-3).
- SPA 5565. Seminar in Dysphagia (3).
- SPA 5646. Communication for Persons Deaf and Hard of Hearing (3).
- SPA 5906r. Directed Individual Study (1-3). (S/U grade only.)
- SPA 5910r. Supervised Research (1-5). (S/U grade only.)
- SPA 5940r. Supervised Teaching (1-5). (S/U grade only.)
- SPA 5941r. Beginning Speech-Language Pathology Practicum (1-4). (S/U grade only.)
- SPA 5942r. Community Clinical Practicum (1-4).
- SPA 5944. Speech-Language Pathology Internship (1-12). (S/U grade only.)
- SPA 6140. Seminar in Experimental Phonetics (1-3).
- SPA 6231r. Seminar in Neuropathologies (1-3).
- SPA 6434r. Seminar on Developmental Disabilities (1-3).
- SPA 6804. University Academic and Clinical Teaching Colloquium (0-2). (S/U grade only.)
- SPA 6805r. Seminar in Clinical Research Methods (3).
- SPA 6825r. Seminar in Speech Pathology (1-3).
- SPA 6841r. Seminar in Language (1-3).
- SPA 6900r. Readings for the Preliminary Examination (1-6). (S/U grade only.)

SPA 6930r. Seminar in Special Topics (1–3).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Department of COMPUTER SCIENCE

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://www.cs.fsu.edu/>

Chair: Robert van Engelen; **Professors:** Aggarwal, Baker, Burmester, Hawkes, Liu, Mascagni, G. Tyson, van Engelen, Whalley, Yuan; **Associate Professors:** Duan, Kumar, Schwartz, Srinivasan, A. Wang, Zhang; **Assistant Professors:** Z. Wang, Zhou; **Courtesy Professors:** Allen, de Medeiros, Desmedt, Evans, Jones; **Research Associates:** Gaitros, Langley, A. Tyson; **Associates in Computer Science:** Lacher, Myers; **Professors Emeriti:** Baker, Lacher, Levitz, Stoecklin

In computer science education, whether graduate or undergraduate, currency is essential. Computer science is an exceptionally fast-moving field where knowledge is subject to rapid obsolescence and ideas progress swiftly from research to practice. The department therefore seeks to offer technical instruction that stays on the cutting edge of new developments while simultaneously providing each student with a core of intellectual tools that will never become obsolete. The department views skills in communication, mathematics, and algorithmic reasoning as central and the understanding of underlying principles as more important than familiarity with specific technical products. Still, direct hands-on experience is essential to mastering these skills and principles. If students are to be adequately prepared for careers in computer science, they should have extensive experience with machines and software that are state-of-the-art.

The Department of Computer Science offers undergraduate and graduate programs leading to the Bachelor of Science (BS) and Bachelor of Arts (BA) degrees, and the Master of Science (MS) and Doctor of Philosophy (PhD) degrees.

The Department has a number of active research programs across the spectrum of computing, including: computer architecture, compilers, networks and tools for distributed applications, parallel computation, databases and data mining, operating systems, algorithms, scientific problem solving environments, large-scale scientific computation and databases, computer and network security (including cryptography), computer forensics, computer vision, applied computational geometry, random number generation and Monte Carlo methods, as well as applications of fuzzy relations and non-classical logics. These research programs enjoy external support from agencies ranging from the National Science Foundation to the private sector.

The Department of Computer Science has a full range of computing facilities available for instruction and research. Faculty and students share multiple groups of high-performance workstations, file servers, and computer servers over departmental LANs. Students and faculty whose research requires greater computational power have a variety of such equipment and may access other machines, including supercomputers and computer clusters, across the University.

Affiliated research laboratories and research groups include the following:

- **The Center for Security and Assurance in Information Technology (C-SAIT) Laboratory** (<http://sait.fsu.edu>) is dedicated to synthesis of education and research through the combined focus on theory and application of information security techniques.
- **The Architecture, Compilers, and Embedded Systems (ACES) Laboratory** (<http://www.aces.cs.fsu.edu>) investigates a wide variety of issues related to its namesake fields. Tools are also constructed to assist architects and compiler writers for these investigations.
- **The Applied Computer Vision Laboratory** (<http://cavis.fsu.edu>) develops novel and mathematically sound representations, modeling, and computational algorithms for computer vision, image analysis, and pattern recognition with direct medical, biological, and real-time video and image analysis applications.
- **The Large-Scale Experimental Networks and Systems (LENS) Group** (<http://www.lens.cs.fsu.edu>) investigates issues in networking and systems such as QoS routing, communication algorithms, overlay networks, performance analysis, and message passing libraries.
- **The E-Crime Investigative Technologies (ECIT)** conducts research in support of digital forensics investigations. It develops new technologies and forensic tools to address real-world problems related to electronic or digital crime. ECIT often works closely with the Florida Department of Law Enforcement and with the National White Collar Crime Center.
- **The Database Group** (<http://www.cs.fsu.edu/dbgroup>) is a faculty collaboration that focuses on efficiency, scalability and practicality problems in data management.
- **The Compustat Group at FSU** (<https://sites.google.com/a/compgeom.com/compustat/Home>) fosters interaction and promotes collaboration

among faculty and students in the Departments of Computer Science, Statistics, Mathematics, Scientific Computing, Biological Science, and Chemistry, and College of Medicine at FSU with goals to further understand and better model complex living systems at all physical and temporal scales.

Degrees Offered

The Department of Computer Science offers programs leading to the Bachelor of Science (BS) and Bachelor of Arts (BA) degrees, the Master of Science (MS) degree, and the Doctor of Philosophy (PhD) degree in Computer Science (CS). At the bachelor and master levels, programs of study are available for those who plan to work toward higher degrees, as well as for students planning on careers as computing professionals.

The department also offers a combined BS/MS degree program designed for academically strong students who wish to pursue an accelerated program culminating in a BS degree and a MS degree in Computer Science. Students who have reached junior status and have at least a 3.5 GPA (overall and in CS/mathematics courses) should contact the CS undergraduate adviser for more information.

In conjunction with the Department of Biological Science, the department offers an interdisciplinary BS degree in Computational Biology. The purpose of this interdisciplinary major is to provide a top-notch educational program for students interested in the areas of computational biology and bioinformatics. The program seeks to achieve two goals: (1) to develop an understanding of the issues associated with developing biologically meaningful computational models, and (2) to give students the broad-based education that is needed to create a set of models directed toward solving a practical biomedical problem.

In conjunction with the College of Criminology and Criminal Justice, the department offers an interdisciplinary BS degree in Computer Criminology. This program teaches students to understand the emerging problem of computer-related crime as well as how computers can assist in the prevention, detection, and apprehension of computer-crime perpetrators.

In each of the undergraduate degree programs within the Department of Computer Science, students must meet all applicable University and College requirements and, unless otherwise specified, coursework required for the major must be completed with a "C–" or better. **No CGS courses, individual instruction courses such as CIS 3949r Cooperative Education Work Experience, and CIS 4900r Directed Individual Study will count toward the requirements for any of these majors.** Computational Biology and Computer Criminology students who have major codes within the Department of Biological Science or the College of Criminology are subject to the rules and requirements of those institutions. All students graduating from the Department of Computer Science are required to complete an exit survey in the semester prior to graduation. **If the exit survey has not been submitted, the department will not approve graduation.**

Currently, Computer Science has no restrictions on the number of hours that can overlap with another major.

Note: All degree requirements stated are subject to change. Please refer to <http://www.cs.fsu.edu/current/undergrad/> for the most current information.

Accreditation

The BS degree program in computer science is accredited as a computer science degree program by the Computer Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD, 21202-4012; (410) 347-7700. Note that ABET views the BS and BA as distinct degree programs, and that this accreditation is specifically for the BS degree program in CS and is not applicable to the BA degree in CS or the degrees in computational biology or computer criminology.

Distance Learning

The undergraduate degree program in Computer Science is available through Internet-supported distance learning. Certain limitations regarding students seeking admission to upper-division studies in the Computer Science Department apply. For more information contact Florida State University's Office for Distributed and Distance Learning at <http://online.fsu.edu/>.

Honors in the Major

The Department of Computer Science offers a program in honors in the major to encourage talented juniors and seniors to undertake independent and original research as part of the undergraduate experience. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, and each major determines the courses needed to satisfy this requirement. Undergraduate computer science, computational biology, and computer criminology majors must satisfy this requirement by earning a grade of "C–" or higher in COP 3014.

Note: The Department of Computer Science offers several courses, including CGS 2060, CGS 2100, CGS 3406, and COP 3014, which are intended to meet the Computer Skills Competency requirement for students in other majors. However, students should check with their major department whether any of these courses are designated as satisfying the computer skills competency in their major.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into the upper-division degree programs offered by the Department of Computer Science:

Computer Science, BS

1. COP XXXX: one introductory programming course for three credit hours in C, C++, Java, or an equivalent programming language
2. MAC X311
3. MAC X312
4. PHY X048/X048L and PHY X049/X049L, or PHY X048C and PHY X049C, or BSC X010 and BSC X011 and CHM X045C
5. XXX XXXX: one science course for two to four credit hours for science majors

Note: The Department requires that item 5 be in a discipline other than physics, and must be identified as "For Science Majors" within the Liberal Studies Program or have such a course as a prerequisite. Students who choose to complete both BSC X010L and BSC X011L will satisfy the "Science for Science Majors" requirement.

Computer Science, BA

The above requirements are only required for the computer science BS major. The below requirements are only for the computer science BA major.

1. MAC X140
2. STA X122 or STA X023

Note: STA X122 is preferred.

Computational Biology (Bioinformatics)

1. BSC X010/X010L or BSC X010C or BSC X040/X040L or PCB X011C
2. BSC X011/X011L or BSC X011C or BSC X041/X041L
3. CHM X045/X045L or CHM X045C, or CHM X040 and CHM X041
4. CHM X046/X046L or CHM X046C
5. PHY X048/X048L or PHY X053/X053L
6. PHY X049/X049L or PHY X054/X054L
7. MAC X311
8. MAC X312

Computer Criminology

1. COP XXXX: one course for three credit hours in computer programming
2. MAC X105
3. MAC X140

College Requirements

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this *General Bulletin*, as well as all University-wide requirements.

Requirements for the BS and BA Degree Programs in Computer Science

There are two majors for the CS bachelor’s degree: the BS in computer science (CS BS) and the BA in computer science (CS BA). A distance-learning version of these majors is offered through the Panama City campus.

The undergraduate programs in computer science are limited access. For the 2013-2014 academic year, the minimum GPA is 2.65. This requirement is applied equally to AA degree transfers from Florida public institutions and rising juniors at Florida State University and for students transferring into the Computer Science program, whether from another department or another institution. Upon entrance into the program, the student must maintain a 2.50 GPA to remain in good standing in the major.

A student who has accumulated more than five grades below “C–” (including grades of “U”) in mathematics, statistics, natural science, or computer science courses taken for college credit at Florida State University or elsewhere, whether repeated or not, will not be permitted to continue as a major in the department.

Note: The term “major” as used here is often called a “track” or “option” in other states or at other universities.

Core Requirements - BS and BA in Computer Science

In addition to all University and College of Arts and Sciences requirements, the common program prerequisites stated above, and the courses specific to each major that are listed separately under the respective headings below, all CS BA and CS BS students must complete the following core courses:

- **MAD 2104 Discrete Mathematics I (3)**
- **CDA 3100-3101 Computer Organization I-II (6)**
- **CEN 4020-4021 Software Engineering I-II (6)**
- **COP 3014 Programming I (3)**
- **COP 3330 Object Oriented Programming (3)**
- **COP 3353 Introduction to Unix (1)**
- **COP 4530 Data Structures, Algorithms, and Generic Programming (3)**
- **COP 4610 Operating Systems and Concurrent Programming (3)**
- **COP 4710 Theory and Structure of Databases (3)**
- **COP 4020 Programming Languages (3)**

Both of the majors in Computer Science require that one of the computer science electives cover an additional programming language not covered in COP 3014-3330.

Non-major students completing CGS 3406 with an “A” or “A–” can count this as full credit for COP 3014 when transferring into a major offered by the Computer Science Department.

Additional Requirements for Computer Science BS Major

In addition to the core requirements described above and the common prerequisites for this major, each student must complete:

- MAD 3105 Discrete Mathematics II (3)
- COT 4420 Theory of Computation (3)
- COP 4531 Complexity and Analysis of Data Structures and Algorithms (3)
- CIS 4250 Ethics and Computer Science (3)
- STA 3032, 4321, or 4442.
- At least eleven semester hours of computer science electives, at least nine of which must be at the 4000 level.

One of the 4000 level computer science electives may be replaced with an advanced math elective, which must be a mathematics or statistics course with a prerequisite of Calculus II (MAC 2312) or Discrete Mathematics II (MAD 3105). **CIS 4250 Ethics in Computer Science satisfies the University Oral Communication Competency Requirement.** The required collateral courses in mathematics, physics, and statistics constitute an acceptable interdisciplinary minor for students in this major.

Additional Requirements for Computer Science BA Major

In addition to the core requirements described above and the common prerequisites for this major, each student must complete:

- STA 2122, STA 2023, or any of the statistics courses approved for the CS BS major;
- At least nine semester hours of computer science electives, at least six of which must be at the 4000 level;
- At least nine semester hours in the fields of humanities and history, in addition to those taken to satisfy the liberal studies and foreign language requirement;
- A minor approved by the department.

A student in this major may not apply CIS 4250 toward the 4000-level CS electives, but may apply it as a general elective and toward satisfaction of the University Oral Communication Competency Requirement. The general electives and additional courses in the humanities and history may be applied toward satisfaction of the minor requirement. Students should contact the CS undergraduate adviser for information concerning acceptable minors. Additional general electives are required to bring the total credits to 120 hours.

Note: Because of reduced requirements in mathematics and theoretical computer science, students graduating with the BA in CS who wish to be admitted to the graduate program in CS at FSU may be required to take remedial undergraduate courses (http://www.cs.fsu.edu/current/grad/ug_pre-reqs.html), like students from other closely related majors such as Mathematics and Computer Engineering.

Requirements for the BS Degree Program in Computational Biology

In addition to the common prerequisites for this major, students must complete the following courses from biological sciences: BSC 2010, BSC 2011, PCB 3063, and PCB 4674, for a total of twelve hours. In addition, three hours of biological science elective credits must be chosen from: BOT 4394, BSC 2010L, BSC 2011L, BSC 4613, BSC 4900r, MCB 4403, MCB 4403L, PCB 3134, PCB 3743, PCB 4024, PCB 4233, PCB 4253, and PCB 4843.

From computer science, students must complete CDA 3100, CIS 4900r, COP 3014, COP 3330, COP 3353, and COP 4530, for a total of thirteen hours. In addition, three hours of computer science elective credit must be chosen from: CDA 3101, COP 4531, COP 4710 and COT 4420.

Students must complete an additional six hours of electives chosen from Biology, Computer Science, Math and/or Statistics. The Biology and Computer Science electives may be chosen from those listed above. The math electives are chosen from MAC 2313, MAP 2480, or MAP 4481. The Statistics electives are chosen from STA 4102, STA 4103, STA 4202, STA 4203, STA 4442, STA 4502, or STA 4702.

For the capstone courses, students must complete BSC 4933r and CIS 4930r for a total of six hours. In addition, the following must be completed: Mathematics/Statistics: MAC 2311, MAC 2312, MAD 2104 and STA 2171 totaling fifteen hours; Physics: PHY 2048C or PHY 2053C totaling four or five hours; Chemistry: CHM 1045, CHM 1045L, CHM 1046 and CHM 1046L totaling nine hours.

Requirements for the BS Degree Program in Computer Criminology

With the exception of CCJ 3011 and CCJ 4700, which must be passed with a “C” or better, all courses required for the major must be completed with a grade of “C–” or better.

In addition to the common prerequisites for this major, students must complete the following core from computer science: COP 3014, COP 3353, COP 3330 and CDA 3100, totaling ten hours. A total of twelve elective hours must be completed, chosen from CIS 4360, CIS 4361, CNT 4406, CNT 4504, CNT 4603, COP 4342, COP 4530, COP 4610, CDA 3101, and COP 4710. The capstone course CIS 4385 must be completed for three credits.

From criminology, students must complete the following core: CCJ 2020, CCJ 3011, CCJ 4700, CCJ 4938, and CJE 3110 totaling twelve hours. A total of nine elective hours must be completed, chosen from CCJ 3644, CCJ 3666, CCJ 4497, CCJ 4614, CJC 3010, CJE 4610, CJJ 4010, CJL 3510, CJL 4064. The capstone course CCJ 4938 must be completed for three credits.

In mathematics, students must complete MAD 2104 for three hours.

Requirements for a Minor in Computer Science

Students pursuing a minor in Computer Science may choose one of two sets of computer science courses preapproved by the department: the General

Track (twelve hours) or the Science Track (thirteen hours). Courses outside of the preapproved tracks must be approved in advance (in writing) by the department. Students must also satisfy stated prerequisites before enrolling in any computer science course. A grade of “C-” or higher must be earned in each course counted toward the minor. For more information on the minor, including preapproved courses, see <http://www.cs.fsu.edu/current/undergrad/minor.php>.

Requirements for NSA Training Certificate

NSTISSI-4011, National Training Standard for Information Systems Security (INFOSEC) Professionals and CNSSA84014, Information Assurance Training Standard for Information Systems Security Officers (ISSO).

In April 2000, the NSA’s Information Assurance Directorate designated Florida State University as having met the training standards of the Information Assurance Courseware Evaluation. This process involved assessing the quality of FSU’s curriculum by a formal, rigorous training standard. FSU has, for the third time, renewed its certification to train specialists under the Committee of National Security Systems (CNSS) standards NSTISSI standard 4011 “Information Security Professionals.” As of August 2008, the university is also certified to offer the additional professional standard of CNSS 4014 for “Information Security Officers.”

By achieving these designations, FSU students that complete the courses specified in the program are recognized as having been trained to serve as Information Systems Security Professionals or Information Systems Security Officers and receive a certificate that says the student “*has satisfactorily completed an educational program certified by CNSS as compliant with NSTISSI No. 4011 or CNSS 4014.*”

This certificate is only available to degree-seeking undergraduate and graduate students at FSU that complete the core courses and their prerequisites. The certificate must be requested by the student in the same term of graduation as the student’s degree program.

The requirements to meet the standards for the CNSSI-4014 (Security Officer) certificate at the undergraduate level are as follows: CIS 4360, CNT 4406, CNT 4504, CNT 4603, COP 4610, COP 4710.

In order to obtain the additional certificate for completion of the NSTISSI-4011 (Security Professional) requirements, students must also take the following core courses: CDA 3101, COP 3330.

Definition of Prefixes

- CAP**—Computer Application Development
- CDA**—Computer Design/Architecture
- CEN**—Computer Software Engineering
- CGS**—Computer General Studies
- CIS**—Computer Science and Information Systems
- CNT**—Computer Networks
- COP**—Computer Programming
- COT**—Computing Theory

Undergraduate Courses

Note: Certain courses are sometimes offered in a distributed format and as such are available to distance learning students in addition to residential students. Contact the Computer Science Department for details or go to <http://www.cs.fsu.edu>.

CAP 4601. Introduction to Artificial Intelligence (3). Corequisite: COP 4530. This first course in Artificial Intelligence (AI) is designed to expose the student to both the breadth and depth of the subject. Topics include problem solving, knowledge and reasoning, acting logically, uncertain knowledge and reasoning, learning, and communicating, perceiving and acting.

CAP 4730. Computer Graphics (3). Corequisite: COP 4530. This course covers the fundamental hardware and software elements of computer graphics systems, including intelligent terminals, communication, and graphic languages; cost effective use of interactive graphics; CAD/CAM; office automation; and computer animation.

CDA 3100. Computer Organization I (3). Corequisites: COP 3330 and MAD 2104. This core course is intended for computer science majors with previous C/C++ background. The course introduces fundamental concepts in computer organization and digital logic design, including numbering systems and number representation, logic gates and design, the Von-Neumann architecture principle, and the machine instruction cycle. Assembly language programming with C language interfacing is also presented, reinforcing basic computer structure and machine cycle operation principles.

CDA 3101. Computer Organization II (3). Prerequisite: CDA 3100. This course explores the fundamental concepts in processor design, including datapath and control, pipelining, memory hierarchies, and I/O.

CDA 4150. Computer Architecture (3). Prerequisite: CDA 3101. This course explores high performance architecture design and analysis, including memory-system design, pipelining, vector computers, and multiprocessors.

CEN 4010. Software Engineering Principles and Practice (3). Pre- or Corequisite: COP 4530, as well as experience creating or changing a large software system and putting principles of software engineering to practice. This course covers classical and modern principles and practice of software engineering, including classical and object-oriented approaches to architecture, design, life cycle, and project management; software metrics; change management; teams and teaming tools; reusability, portability, and interoperability; requirements and specification. May be repeated to a maximum of six semester hours.

CEN 4020. Software Engineering I (3). Pre- or Corequisite: COP 4530. This course is the first of a two-semester software engineering-sequence, integrating theory and practice through a project. Topics include theory, tools, requirements elicitation, software-requirements specification, requirement review, software development, ethics, software-development life cycle, teams, and project management. Oral presentation required.

CEN 4021. Software Engineering II (3). Prerequisite: CEN 4020. This course is the second of a two-semester sequence on project-system development and focuses on software design and implementation. Topics include software design, architectures, testing, deployment, metrics, configuration management, reusability, portability, and interoperability.

CEN 4681. Expert Systems (3). Corequisite: COP 4530. This course covers definitions and historical development, methodology tools for analysis and design, survey of existing systems, inference engines, and theory and applications of fuzzy relational products to new developments in inference engines.

CGS 2060. Computer Fluency (3). This course covers computer and digital technology skills and concepts for all majors. Topics cover file management, personal information management, Internet communications, word processing, spreadsheet, and other software skills. Students learn about digital technologies, telecommunications, the Internet and the Web, management information systems, digital media, information security, digital society, as well as ethics. Not open to students with credit in CGS 2100.

CGS 2064. Computer Fluency II (3). Prerequisite: CGS 2060 or equivalent computer experience or instructor permission. This course illustrates how digital technologies are used in professional environments to assist in productivity. Topics include information systems, databases, e-commerce, systems and software development, multimedia, and information security. While developing a deeper understanding of information systems and digital technologies, students also acquire valuable hands-on skills that include digital graphics and photo editing, animation, database development, and Web development.

CGS 2100. Microcomputer Applications for Business/Economics (3). This course enables students in business and economics to become proficient with microcomputer hardware and software applications that are typically used in the workplace. The following topics are covered: hardware concepts, operating systems, word-processing, spreadsheets, databases, networks, Internet, World Wide Web, multi-media presentations, and information systems. May not be applied toward computer science major or minor. Not open to students with credit in CGS 2060.

CGS 2930r. Special Topics for Non-Majors (1-3). This course covers special topics for non-majors. Topics may vary. This course is repeatable in a single semester with instructor permission. May be repeated to a maximum of three semester hours.

CGS 3066. Web Programming and Design (3). This course provides an overview of Internet communications and information services, as well as the technologies on which the Internet and Web are built. The course emphasizes Web design, development, and programming with participants learning the latest tools and techniques for building professional-grade, dynamic, and interactive Web pages and sites.

CGS 3406. Object-Oriented Programming in C++ (3). Prerequisite: MAC 1105. This course covers a brief introduction to computers, C++ basics, procedural abstraction and functions, an introduction to the object-oriented paradigm, namespaces, arrays, strings and vectors, pointers, and recursion. Emphasis is on program problem-solving. May not be applied toward a computer science major.

CGS 3416. Java Programming for Non-specialists (3). Prerequisite: MAC 1105. This course covers Java basics, a review of structured and object-oriented programming concepts, classes, constructors, interfaces, exceptions, I/O, graphics concepts, jar files, compilation, virtual machines, applications, applets, APIs, HTML, XML, and XHTML.

CGS 4092. Ethical Issues in Computer Science (2). Prerequisite: A course in computer programming. This theory and skills course is intended for students with a basic knowledge of computer science principles and programming languages. The course introduces fundamental concepts and analytical methods in ethics, along with ethical, legal, and social issues and questions in computer science that call for ethical analysis.

CIS 3931r. Intermediate Topics in Computer Science (2-3). Topics and prerequisites vary from term to term and section to section. This course analyzes intermediate topics in the area of computer science. The course may be used as a self-contained study of a programming language in the context of applications for which the language is particularly suited. May be repeated to a maximum of nine semester hours.

CIS 3943r. Internship in Computer Science (3-6). (S/U grade only.) Prerequisites: COP 4530; successful completion of sixty hours of coursework with a minimum overall GPA of 3.0, including fifteen hours in computer science courses (prefixes of CAP, CDA, CEN, CGS, CIS, COP, COT) with a minimum GPA of 3.2; and internship coordinator permission. This course involves field placement in approved industry or government entity having significant information technology or computer science component by approval only. May be taken for variable credit and repeated (with departmental approval), but only three semester hours may count towards graduation. Successful completion requires satisfactory job evaluation and demonstration of educational value of placement, usually via a paper and/or presentation. May be repeated to a maximum of twelve semester hours.

CIS 3949r. Cooperative Education Work Experience (0). (S/U grade only.) Prerequisite: Instructor permission. This non-credit, experiential learning course offers students an opportunity to gain “real world” on-the-job work experience related to a specific academic field of study. Students must register for this course through the FSU Career Center. May be repeated a maximum of six times.

CIS 4250. Ethics and Computer Science (3). Pre- or Corequisite: COP 3014 or a prior course in computer programming. This course presents basic ethical theories and analysis methods as they apply to ethical, social, and legal issues in computing and information technology. Case studies and hypothetical scenarios are discussed for their social, ethical, and legal implications, as well as analyzed through various ethical-analysis methodologies. The course fosters the development of skills in logical and critical analysis of issues and viewpoints, as well as the ability to present a position and support it with a rational argument in a public-speaking context.

CIS 4360. Introduction to Computer Security (3). Prerequisite: CGS 3406 or COP 3014 or equivalent programming course. This course covers computer security threats and attacks, covert channels, trusted operation systems, access control, entity authentication, security policies, models of security, database security, administering security, physical security and TEMPEST, and brief introductions to network security and legal and ethical aspects of security.

CIS 4361. Applied Computer Security (3). Prerequisite: CDA 3100. This course addresses threats to and vulnerabilities of information systems and provides hands-on opportunities for students to work with current counter-threat technology. This course also covers analytic principles to support vulnerability assessment and countermeasure design.

CIS 4385. Cybercrime Detection and Forensics (3). Prerequisites: CDA 3100 and CJE 4610. This course discusses tools, techniques, and procedures for detecting cybercrime and analyzing collected data related to past and on-going cyber offenses, along with preserving the legal value of the collected evidence.

CIS 4900r. Directed Individual Study (1-4). May be repeated to a maximum of twelve semester hours.

CIS 4930r. Special Topics in Computer Science (3). Prerequisite: at least six semester hours in computer science or software engineering at or above the 4000 level. May be repeated to a maximum of twelve semester hours.

CIS 4933r. Honors Work (3). May be repeated to a maximum of nine semester hours.

CNT 4406. Network Security and Cryptography (3). Corequisite: COP 4530. This course examines threats to computer networks, network vulnerabilities, techniques for strengthening passive defenses, tools for establishing an active network defense, and policies for enhancing forensic analysis of crimes and attacks on computer networks. Topics include private and public key cryptography, digital signatures, secret sharing, security protocols, formal methods for analyzing network security, electronic mail security, firewalls, intrusion detection, Internet privacy, and public key infrastructures.

CNT 4504. Introduction to Computer Networks (3). Corequisite: COP 4530. This course covers circuit-switched and packet switched networks; protocols; protocol layering; application layer and socket programming; transport layer, multiplexing and demultiplexing, UDP, TCP, reliability, flow control, and congestion control; network layer, routing protocols, switching technologies, multicast, and mobility; link layer, local area networks, error detection and correction; wireless networks; multimedia networking; network security; network management.

CNT 4603. Computer and Network System Administration (3). Prerequisite: CGS 3406 or COP 3014. This course offers a hands-on introduction to Unix and Microsoft Windows systems and network administration. Topics include installation, maintenance, and extension of a multi-user computer system; development of administrative policies and procedures; user assistance and education; specifics of the Unix and Windows operating systems; and practical troubleshooting and problem solving.

COP 3014. Programming I (3). Prerequisite: MAC 1140. This course covers fundamental concepts and skills of programming in a high-level language. Flow of control: sequence, selection, iteration, subprograms. Data structures: arrays, strings, structs, ADT lists and tables. Algorithms using selection and iteration (decision making, finding maxima and minima, basic searching and sorting, simulation, etc.). Good program design using a procedural paradigm, structure, and style are emphasized. Interactive and file IO. Testing and debugging techniques. Intended primarily for computer science or computer engineering majors, or anyone who is required to take COP 3330.

COP 3035. Introduction to Programming Using Python (3). Prerequisite: MAC 1105. This course includes Python basics, use of Python control and data structures, use of Python functions, Python I/O, and implementation of basic Python programming tasks.

COP 3223. Introduction to Programming with the C Language (3). Prerequisite: MAC 1140. This course is an introduction to C programming. Topics include types, operators, and expressions; control flow; IO; functions and program structure; and software design techniques. Eight to ten programming projects are required.

COP 3252. Internet Applications Programming with Java (3). Prerequisite: COP 3330. This course covers the applications of the Java language to education, electronic commerce, scientific research, and distributed systems in general. Topics include the following: the architecture of the Web, including software protocols for passing information in typical Web applications; introduction to the Java programming language; developing Graphical User Interfaces using Swing; an introduction to distributed objects using Java Remote Method Invocation (RMI); and server-side programming using Servlets and JDBC. Emphasis is placed on practical programming using these technologies.

COP 3330. Object Oriented Programming (3). Prerequisite: COP 3014 or a comparable course in C or C++ programming. Corequisite: COP 3353. This course focuses on object-oriented programming in a modern programming language; classes, objects, inheritance, and polymorphism; introduction to data structures and container classes.

COP 3353. Introduction to UNIX (1). This course for majors and non-majors offers an introduction to the UNIX operating system. Topics include: UNIX history, requesting UNIX accounts, logging in to a UNIX system, basic operating system concepts and file structure, basic commands, text editor(s) (to include emacs, vi, and pico), printing, mail, and online help. The goals of this course are to enable students to log in to their UNIX accounts from any type of computer and have a basic understanding of the commands and utilities.

COP 3502. Introduction to Computer Science (3). Prerequisites: MAC 1105 and previous computer experience. This course covers basic computer organization; computer languages and software; language translation and interpretation; object oriented design; object oriented programming, classes, objects, and inheritance; file systems; and I/O. May not be applied toward a major in computer science.

COP 4020. Programming Languages (3). Corequisite: COP 4530. This course covers the principles of programming languages, including language constructs, syntactic and semantic specification methods, runtime structures, implementation techniques, and alternative programming paradigms. The course involves programming assignments in a variety of languages and individual investigations accompanied by a required written report and oral presentation.

COP 4342. Unix Tools (3). Prerequisite: COP 3330. This course is an introduction to selected Unix tools and utilities that are useful for advanced users, programmers, and system administrators, such as shell scripts, the perl language, revision control systems, debuggers, editors, and the make, awk, sed, and expect utilities.

COP 4380. Reactive Systems Programming (3). Prerequisite: COP 4530. Corequisite: COP 4610 or instructor permission. This course covers the theory of Hierarchical State Machines [HSM] and the use of HSM to model and implement Reactive Systems [RS]. The course explores implementations of HSM in C, C++, and Java. HSM are applied for modeling and implementing RS including real-time, multi-threaded, and embedded systems.

COP 4530. Data Structures, Algorithms and Generic Programming (3). Prerequisites: COP 3330 and MAD 2104. Pre- or Corequisite: CDA 3100. This course focuses on definition, use, and implementation of generic data structures using a modern programming language; reusable program components.

COP 4531. Complexity and Analysis of Data Structures and Algorithms (3). Prerequisites: COP 4530 and MAD 3105. Corequisite: STA 3032 or STA 4321; and STA 4442. This course is an analysis of the complexity of algorithms, including sorting, searching, and graph algorithms; use and implementation of graphs.

COP 4610. Operating Systems and Concurrent Programming (3). Prerequisites: COP 4530, CDA 3100, or instructor permission. This course explores design principles of batch, multiprogramming, and time-sharing operating systems; linking, loading, input-output systems, interacting processes, storage management, process and resource control, file systems.

COP 4613. Real-Time Systems (3). Prerequisite: COP 4610 or instructor permission. This course is a survey of issues in the design and implementation of real-time computer systems. Topics include: the use of computers for controlling real-time processes, the use of Ada in embedded computer systems, and implementation of a real-time computer system.

COP 4656r. Mobile Programming (3). Prerequisite: COP 4530. This course teaches students how to program mobile devices. Students use event-based models to write and deploy a content based application using a mobile computing software framework. May be repeated to a maximum of nine semester hours.

COP 4710. Theory and Structure of Databases (3). Prerequisites: COP 3330 and MAD 2104. This course examines the theory of relational and object-oriented databases; relational database management systems and SQL; design, development, and implementation issues in database systems.

COP 4813. Web Applications Programming (3). Prerequisite: COP 3252. This course teaches programming of distributed Web applications using Java Database Connectivity, Servlets, Java Server Pages, Remote Method Invocation, and Enterprise Java Beans (both session and entity beans). Use of the Sun Microsystems Java 2 Enterprise Edition development platform either directly or through an Integrated Development Environment such as IBM's Websphere is also covered.

COT 4420. Theory of Computation (3). Prerequisite: MAD 3105. This course is an introduction to the theory of computation, including models of computation such as Turing machines; theory of programming languages, including grammars, parsing, syntax, and semantics.

COT 4425. Formal Methods in Software Engineering (3). Prerequisite: MAD 3105. This course examines formal methods in software analysis and design, including formal specification and verification.

Graduate Courses

CAP 5415. Principles and Algorithms of Computer Vision (3).

CAP 5605. Artificial Intelligence (3).

CAP 5638. Pattern Recognition (3).

CAP 5726. Introduction to Computer Graphics (3).

CDA 5125. Parallel and Distributed Systems (3).

CDA 5140. Fault Tolerance and Reliability (3).

CDA 5155. Computer Architecture (3).

CEN 5000. Knowledge Management and Data Engineering (3).

CEN 5035. Software Engineering (3).

CEN 5055. Project Development (3).

CEN 5064. Advanced Software Design (3).

CGS 5267. Principles of Computer Organization (3). (S/U grade only.)

CGS 5268. Principles of Computer Organization II (3). (S/U grade only.)

CGS 5409. Object-Oriented Programming in C++ for Non-majors (2).

CGS 5425. Object-Oriented Programming with Data Structure (3). (S/U grade only.)

CGS 5426. Programming Language Concepts (3). (S/U grade only.)

CGS 5427. Algorithm Design and Analysis (3). (S/U grade only.)

CGS 5428. Relational Database Theory (3). (S/U grade only.)

- CGS 5429. Introduction to Computer Theory (3). (S/U grade only.)
 CGS 5466. Programming for Non-Majors (3). (S/U grade only.)
 CGS 5765. Principles Operating Systems (3). (S/U grade only.)
 CGS 5935r. Special Topics in Computer Science for Non-Majors (1-3). (S/U grade only.)
- CIS 5370. Computer Security (3).
 CIS 5371. Cryptography (3).
 CIS 5900r. Directed Individual Study (1-9). (S/U grade only.)
 CIS 5910r. Supervised Research (1-5). (S/U grade only.)
 CIS 5915r. Graduate Software Project (1-12). (S/U grade only.)
 CIS 5920r. Colloquium (1). (S/U grade only.)
 CIS 5930r. Selected Topics in Computer Science (1-3).
 CIS 5935. Introductory Seminar on Research (2). (S/U grade only.)
 CIS 5940r. Supervised Teaching (1-5). (S/U grade only.)
 CNT 5412. Network Security, Active and Passive Defenses (3).
 CNT 5415. Applied Computer and Network Security (3).
 CNT 5505. Data and Computer Communications (3).
 CNT 5605. Computer and Network Administration (3).
 COP 5385. Reactive Systems and Hierarchical State Machines (3).
 COP 5517. Generic Programming (3).
 COP 5570. Concurrent, Parallel, and Distributed Programming (3).
 COP 5611. Advanced Operating Systems (3).
 COP 5621. Compiler Construction (3).
 COP 5641. Kernel and Device Driver Programming (3).
 COP 5642. RealTime Systems Theory and Practice (3).
 COP 5659r. Mobile Programming (3).
 COP 5725. Database Systems (3).
 COP 5818. Distributed Applications Development (3).
 COP 6622. Advanced Topics in Compilation (3).
 COT 5310. Theory of Automata and Formal Languages (3).
 COT 5315. Programming Language Foundations (3).
 COT 5405. Advanced Algorithms (3).
 COT 5410. Complexity of Algorithms (3).
 COT 5507. Analytic Methods in Computer Science (3).
 COT 5540. Logic for Computer Science (3).
 COT 5715. Random Number Generation (3).
 CAP 6417. Theoretical Foundations of Computer Vision (3).
 CIS 6900r. Directed Individual Study (1-12). (S/U grade only.)
 CIS 6930r. Advanced Topics in Computer Science (1-3).
 CIS 6935r. Advanced Seminar in Computer Science (1).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

CONSUMER AFFAIRS:

see Retail Merchandising and Product Development

COUNSELING PSYCHOLOGY AND HUMAN SYSTEMS:

see Educational Psychology and Learning Systems

CRIMINOLOGY AND CRIMINAL JUSTICE

COLLEGE OF CRIMINOLOGY AND CRIMINAL JUSTICE

Web Page: <http://criminology.fsu.edu/index.php>

Professors: Bales, Baumer, Blomberg, Chiricos, Doerner, Gertz, Kleck, Maier-Katkin, Mears, Stewart, Waldo; **Associate Professors:** Beaver, Coonan, Fagan, Hay, Stults, Warren Hightower; **Assistant Professors:** Close, Siennick

The College of Criminology and Criminal Justice offers undergraduate and graduate programs leading to the Bachelor of Science (BS), Bachelor of Arts (BA), Master of Science (MS), Master of Arts (MA), and Doctor of Philosophy (PhD) degrees. Undergraduate degree programs include criminology and computer criminology, a joint program with the Department of Computer Science. An accelerated Bachelor's to Master's degree program is offered in criminology and criminal justice for eligible students. A distance learning certificate is available in criminology. A distance-learning Master's of Science (MS) degree program in criminal justice studies is available. Also available is a dual Master's degree program with the School of Public Administration and the College of Social Work. Evening courses are offered for undergraduate and graduate students. A distance-learning Bachelor of Science degree program in criminology is also available.

Refer to the "College of Criminology and Criminal Justice" chapter in this *General Bulletin* for additional details on degree requirements, the college, student opportunities, and financial aid.

Academic Performance and Retention

The College of Criminology and Criminal Justice reserves the right to discontinue enrollment of any student in the College at any time if satisfactory academic progress is not being made. Specifically, students majoring in criminology must make a "C" or better in the three core courses and maintain a major GPA of 2.0. A student who has accumulated three unsatisfactory grades, (D+, D, D-, F, U, IE) in criminology and criminal justice courses taken for college credit at Florida State University or elsewhere, whether repeated or not, will not be permitted to continue, be readmitted, or be allowed to graduate with a major from the College of Criminology and Criminal Justice.

Students majoring in computer criminology must earn a "C" or better in core courses CCJ 2020, CCJ 3011, and CCJ 4700, and a "C-" or better in all other courses for the major, and maintain an overall GPA of 2.0. Students with more than four grades below "C-" (D+, D, D-, F, U, IE) in criminology, criminal justice, computer science, or prerequisite coursework, whether taken at Florida State University or elsewhere, whether repeated or not, will not be permitted to continue in the major.

A student who applies for readmission to the College must meet the major and degree requirements of the *General Bulletin* in force on the date of readmission.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer competency skills prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in criminology satisfy this requirement by earning a grade of "C-" or higher in CGS 2060, CGS 2064, or CGS 2100. Undergraduate majors in computer criminology satisfy this requirement by earning a grade of "C-" or higher in COP 3014.

State of Florida Common Program Prerequisites for Computer Criminology

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

Computer Criminology

1. COP XXXX: one course for three credit hours in computer programming
2. MAC X105

3. MAC X140

Major Requirements for Criminology and Criminal Justice

To major in criminology, a student must complete thirty-six semester hours in criminology and criminal justice coursework, including three core courses. The three core courses are Introduction to Criminal Justice (CCJ 2020), Criminology (CCJ 3011), and Introduction to Research Methods in Criminology (CCJ 4700). Two core courses (CCJ 3011 and CCJ 4700) are expected to be taken at Florida State University; CCJ 2020 may be taken at the community college. A minimum grade of “C” must be obtained in each core course. For acceptable core course substitutions, see the department for an approved list. An optional one-semester, full-time (fifteen semester hour) internship is available. If a student chooses to take the internship, only three of the fifteen semester hours will count toward the required thirty-six hours in the major. Students in the major are required to complete either a full time internship, a minor, or second major in another department or program outside the College of Criminology and Criminal Justice, and they must meet all requirements stipulated by that department or program.

For students transferring from another four-year university, at least twenty-seven semester hours must be earned at Florida State University in the College of Criminology and Criminal Justice; the University requires the last thirty semester hours prior to graduation be taken at Florida State University. In addition, all University requirements must be met for either the Bachelor of Arts (BA) or the Bachelor of Science (BS) degrees.

Major Requirements for Computer Criminology

To major in computer criminology, a student must complete fifty-two semester hours in criminology and criminal justice, computer science, and mathematics courses. Students will complete twenty-four hours in criminology and criminal justice and twenty-five hours in computer science coursework that includes eight core courses. The required core courses from criminology and criminal justice are: CCJ 2020, CCJ 3011, CCJ 4700, and CJE 3110. The required core courses from computer science are: CDA 3100, COP 3014, COP 3330, and COP 3353. A total of six hours of capstone coursework representing criminology and criminal justice and computer science is required. The capstone course for criminology is CCJ 4938 and the capstone course for computer science is CIS 4385. Students must also complete three hours of Discrete Math, MAD 2104. From an approved list, students will choose nine additional hours in criminology and criminal justice as well as twelve additional hours in computer science coursework. Computer science electives may be chosen from: CIS 4360, CIS 4361, CNT 4406, CNT 4504, CNT 4603, COP 4342, COP 4530, COP 4610, CDA 3101, and COP 4710. Students must earn a “C” or better in CCJ 2020, CCJ 3011 and CCJ 4700 and a “C-” or better in all other courses for the major, and maintain an overall GPA of 2.0. Students with more than four grades below “C-” in criminology, criminal justice, computer science, or prerequisite coursework, whether taken at Florida State University or elsewhere, whether repeated or not, will not be permitted to continue in the major. A minor is not required.

For students transferring from another four-year university, transfer courses within the major are evaluated on an individual basis; the University requires that the last thirty semester hours prior to graduation be taken at Florida State University. In addition, all University requirements must be met for either the Bachelor of Arts (BA) or the Bachelor of Science (BS) degrees.

Approved criminology and criminal justice elective courses include: CCJ 3644, CCJ 3666, CCJ 4497, CCJ 4614, CJC 3010, CJE 4610, CJJ 4010, CJL 3510, CJL 4064.

Minor Requirements

For information concerning requirements for a minor in criminology, please refer to the “Minor Requirements” section in the “College of Criminology and Criminal Justice” chapter in this *General Bulletin*.

Internships

A variety of internships are available at the local, state, and federal levels. Students can choose from the fields of law enforcement, courts, corrections, criminal justice planning, criminological research, and private sector opportunities. The internship is available for juniors and seniors who have completed the core courses (CCJ 2020, 3011, and 4700). The intern receives a satisfactory/unsatisfactory (S/U) grade, and full credit is given upon successful completion of both the academic component and work hours.

Students are advised that information pertaining to all matters of public record, such as arrests and convictions, may be required by the agencies accepting interns. Although a reasonable effort is made to place a student in

an internship, Florida State University will not be liable if a student cannot be placed. Students are responsible for all living and transportation expenses during field experiences.

Certificates

The College of Criminology and Criminal Justice offers a distance learning certificate program in criminology.

Honors in the Major

The College of Criminology and Criminal Justice encourages eligible students to participate in the honors in the major program. For requirements and other information, see the “University Honors Office and Honor Societies” chapter of this *General Bulletin*.

Definition of Prefixes

Criminology and Criminal Justice

CCJ—Criminology and Criminal Justice

CJC—Corrections

CJE—Law Enforcement

CJJ—Juvenile Justice

CJL—Law and Process

SCC—Security

Computer Science

CDA—Computer Design/Architecture

CIS—Computer Science and Information Systems

COP—Computer Programming

Undergraduate Criminology and Criminal Justice Courses

CCJ 1005. Criminology Freshmen Seminar (3). This course introduces criminology students to pivotal readings and philosophies of the criminal justice system and exposes students to a variety of speakers and opinions related to criminal justice.

CCJ 2020. Introduction to Criminal Justice (3). This course is designed to provide freshmen and sophomore students with knowledge of terminology, classification systems, trends, and theories of criminal justice.

CCJ 3011. Criminology (3). This course introduces an examination of the field of criminology, including its theories, basic assumptions, and definitions.

CCJ 3644. White Collar Crime (3). This course provides an overview of major issues in the study of white-collar crime. Topics covered include conceptual and definitional debates; forms of white-collar crime; theories and causes; offenders, victims, and costs; and investigation, prosecution, and sentencing.

CCJ 3666. Victimology (3). This course examines the role of victims in crimes, their treatment by the criminal justice system, their decisions to report crimes and help prosecute offenders, victim assistance, and victim compensation. Special focus on sexual battery and domestic violence.

CCJ 3677. Crimes against Humanity (3). This course is a multi-disciplinary examination of the emergence and impact of modern conceptions of human rights, including inquiry into the nature and sources of rights and of institutions for their enforcement, such as International War Tribunals and Peace and Reconciliation Commissions. Particular attention focuses on case studies of the violation or abrogation of human rights doctrines, drawing on literature, law, philosophy, history, religion, and the social sciences to explain and respond to the phenomena of crimes against humanity.

CCJ 3688. Religion and Crime (3). This course examines the influence of religion on crime from historical, sociological, and criminological perspectives. Students learn how religion operates both as a protection against crime and as a motivation for crime.

CCJ 3949r. Cooperative Education Work Experience (0). (S/U grade only.) Prerequisite: Instructor permission. This non-credit, experiential learning course offers students an opportunity to gain “real world” on-the-job work experience related to a specific academic field of study. Students must register for this course through the FSU Career Center.

CCJ 4004. Comparative Criminology and Criminal Justice (3). This course introduces students to a global, comparative approach to the study of crime and criminal justice systems, beginning with the discussion of transnational crime and issues related to its measurement and continuing with the study of the four major legal traditions (common law, civil law, socialist law, and Islamic law) and the analysis of specific components of the criminal justice system across the world, including the police, courts, and corrections.

CCJ 4031. The Individual and Society (3). This course introduces an understanding of normal human behavior and development in social context.

CCJ 4450. Criminal Justice Administration (3). This course is an application of organization and administration theories to the criminal justice system.

CCJ 4497. Criminal Justice and Public Policy (3). This course examines historically significant and recent crime and criminal justice policies in terms of their antecedent factors, their impact on measurable outcomes, and their unintended consequences.

CCJ 4601. Human Behavior (3). This course studies the origins of human and deviant behavior from a multidisciplinary approach (biological, psychological, sociological, criminological); addresses major theories and research, including case studies illustrative of deviant behavior such as drug abuse, suicide, mental illness, and sexual deviance.

CCJ 4614. Criminal and Delinquent Behavior (3). This course is an examination of patterns of criminal and delinquent behaviors in light of theories and classification concepts.

CCJ 4662. Minorities, Crime, and Social Policy (3). This course examines the involvement of minorities, especially African-Americans, in crime and in the criminal justice system. Special attention is paid to the role of racism in theories of crime and in American law and to the treatment of minorities by the various components of the criminal justice system. May require community service hours.

CCJ 4663. Women, Crime and Justice (3). This course provides a flexible forum for the study and discussion of female crime and delinquency and gender issues in the criminal justice system.

CCJ 4700. Introduction to Research Methods in Criminology (3). This course covers basic methodological and statistical issues in criminology.

CCJ 4905r. Directed Individual Study (1-4). Prerequisites: Instructor and dean permission. A student registered for an individual-study course must submit a prospectus, outline, and bibliography and schedule at least one conference a week on campus. May be repeated to a maximum of twelve semester hours.

CCJ 4909r. Honors in Criminology (3). This course is designed for upper-division students with a grade point average of 3.2 in all courses. May be repeated to a maximum of twelve semester hours.

CCJ 4933r. Seminar in Criminology (3). This course introduces varying topics of selected interest and contemporary significance, discussed in a seminar format. May be repeated to a maximum of six semester hours.

CCJ 4938r. Special Topics in Criminology (1-3). This course content varies as instructors present different developments, problems, and controversies. May be repeated to a maximum of twelve semester hours. May be repeated during the same semester.

CCJ 4940. Internship in Criminology (15). (S/U grade only.) This internship facilitates field placement in an approved criminal justice agency for integration of theory and practice through participant observation study.

CCJ 4942. Part Time Internship in Criminology (8). (S/U grade only.) Prerequisites: CCJ 2020, CCJ 3011, and CCJ 4700. This course facilitates part time field placement in an approved criminal justice agency for integration of theory and practice through participant observation study.

CJC 3010. Corrections (3). This course provides an overview of correctional philosophies, practices, and procedures.

CJC 4410. Theories and Methods of Offender Treatment (3). This course introduces theories and techniques that may be employed within the boundaries of probation, parole, or prison to influence and alter the attitudes, values, and behaviors of persons adjudicated guilty by the criminal justice system.

CJC 4411r. Methods of Offender Treatment Practicum—Men Helping Men (3). Prerequisite: CJC 4410. This course allows students to implement the theories and methods of treatment in a correctional setting. Students work with the professor to implement and facilitate abuse and violence intervention.

CJE 3110. Law Enforcement (3). This course provides an advanced survey of law enforcement concentrating on the police, and places emphasis on functions (law enforcement, order maintenance, public service) and responsibilities (e.g., preservation of constitutional rights, community relations), including organizational and management aspects.

CJE 4114. Police Problems and Practices (3). This course provides an analysis of both the traditional and contemporary issues and problems existing in the law enforcement community. Topics represent a wide variety of concerns, including such areas as corruption, police use of deadly force, and the utilization of law enforcement to combat corporate crime, computer crime, and terrorism.

CJE 4610. Crime Detection and Investigation (3). This course offers an introduction to the lawful gathering and evaluation of information concerning criminal acts, with attention to the fundamentals of investigation, the organization and management of the investigative process, and the knowledge and skills necessary for investigation.

CJJ 4010. Juvenile Justice (3). This course provides an examination of juvenile delinquency and juvenile justice, including legal and social history, definition and explanation of delinquency, and assessment of delinquency prevention and correctional programs, with emphasis on application of philosophical, legal, and procedural principles to problems and cases of juvenile justice. May require community service hours.

CJL 3510. The Courts (3). This course examines the jurisdiction, policies, and procedures of courts in the administration of criminal justice.

CJL 4038. Law, Society and the Administration of Justice (3). This course examines how law shapes and is shaped by economic relations, morality, social solidarity, state institutions, political domination, democratic governance, and legal consciousness, and how law impacts and is influenced by race, gender, and class relations. The course explores how social groups use law and legal ideology to press their rights to remedy social inequalities and to what extent these groups are successful. Students become familiar with major theoretical traditions in law and society as well as sociological issues such as civil rights, the legislation of morality, and the administration of justice.

CJL 4064. Individual Rights and the Criminal Justice System (3). This course offers an examination of the full range of rights in criminal justice, dealing with them not only in broad philosophical and social terms but also in terms of specific instances, including the rights of the accused and extending to the rights of convicts, witnesses, victims, probationers, ex-convicts, officials, journalists, and the more generalized rights of participation by interest group advocates, taxpayers, and citizens in criminal justice policy and administration.

CJL 4110. Substantive Criminal Law (3). This course offers an examination of the central principles of criminal law, which include the substantive elements defining criminal conduct for specific crimes and the various exculpatory conditions for criminal liability.

CJL 4655. Courts and Social Policy (3). This course examines the role of courts in determining social policy as it relates to criminology. Emphasis is directed toward the political and social inputs that influence judicial decision making and the role of democracy and punishment in the courts. These topics are examined using current social policy. The course satisfies oral competency requirements.

SCC 4004. Public and Private Security (3). This course offers an overview of the major topics of public and private security. The topics represent a wide variety of concerns, including such areas as historical development, the role of security in society, and current practices and standards.

Undergraduate Computer Science Courses

CDA 3100. Computer Organization I (3). Corequisites: COP 3330 and MAD 2104. This core course is intended for computer science majors with previous C/C++ background. The course introduces fundamental concepts in computer organization and digital logic design, including numbering systems and number representation, logic gates and design, the Von-Neumann architecture principle, and the machine instruction cycle. Assembly language programming with C language interfacing is also presented, reinforcing basic computer structure and machine cycle operation principles.

CIS 4361. Applied Computer Security (3). Prerequisite: CDA 3100. This course addresses threats to and vulnerabilities of information systems and provides hands-on opportunities for students to work with current counter-threat technology. This course also covers analytic principles to support vulnerability assessment and countermeasure design.

CIS 4930r. Special Topics in Computer Science (3). Prerequisite: at least six semester hours in computer science or software engineering at or above the 4000 level. May be repeated to a maximum of twelve semester hours.

CNT 4406. Network Security and Cryptography (3). Corequisite: COP 4530. This course examines threats to computer networks, network vulnerabilities, techniques for strengthening passive defenses, tools for establishing an active network defense, and policies for enhancing forensic analysis of crimes and attacks on computer networks. Topics include private and public key cryptography, digital signatures, secret sharing, security protocols formal methods of analyzing network security, electronic mail security, firewalls, intrusion detection, Internet privacy, and public key infrastructures.

CNT 4504. Introduction to Computer Networks (3). Corequisite: COP 4530. This course covers circuit-switched and packet-switched networks; protocols; protocol layering; application layer and socket programming; transport layer, multiplexing and demultiplexing, UDP, TCP, reliability, flow control, and congestion control; network layer, routing protocols, switching technologies, multicast, and mobility; link layer, local area networks, error detection and correction; wireless networks; multimedia networking; network security; and network management.

CNT 4603. Computer and Network System Administration (3). Prerequisite: CGS 3406 or COP 3014. This course offers a hands-on introduction to Unix and Microsoft Windows systems and network administration. Topics include the following: installation, maintenance, and extension of a multi-user computer system; development of administrative policies and procedures; user assistance and education; specifics of the Unix and Windows operating systems; and practical troubleshooting and problem solving.

COP 3014. Programming I (3). Prerequisite: MAC 1140. This course covers fundamental concepts and skills of programming in a high-level language. Flow of control: sequence, selection, iteration, subprograms. Data structures: arrays, strings, structs, ADT lists and tables. Algorithms using selection and iteration (decision making, finding maxima and minima, basic searching and sorting, simulation, etc.). Good program design using a procedural paradigm, structure, and style are emphasized. Interactive and file IO. Testing and debugging techniques. Intended primarily for computer science or computer engineering majors, or anyone who is required to take COP 3330.

COP 3330. Object Oriented Programming (3). Prerequisite: COP 3014 or a comparable course in C or C++ Programming. Corequisite: COP 3353. This course focuses on object-oriented programming in a modern programming language; classes, objects, inheritance, and polymorphism; introduction to data structures and container classes.

COP 3353. Introduction to UNIX (1). This course for majors and non-majors offers an introduction to the UNIX operating system. Topics include: UNIX history, requesting UNIX accounts, logging in to a UNIX system, basic operating system concepts and file structure, basic commands, text editor(s) (to include emacs, vi, and pico), printing, mail, and online help. The goals of this course are to enable students to log in to their UNIX accounts from any type of computer and have a basic understanding of the commands and utilities.

COP 4342. Unix Tools (3). Prerequisite: COP 3330. This course is an introduction to selected Unix tools and utilities that are useful for advanced users, programmers, and system administrators, such as shell scripts, the perl language, revision control systems, debuggers, editors, and the make, awk, sed, and expect utilities.

COP 4530. Data Structures, Algorithms and Generic Programming (3). Prerequisites: COP 3330 and MAD 2104. Prerequisite or corequisite: CDA 3100. This course focuses on definition, use, and implementation of generic data structures using a modern programming language; reusable program components.

COP 4610. Operating Systems and Concurrent Programming (3). Prerequisite: COP 4530, CDA 3100, or instructor permission. This course explores design principles of batch, multiprogramming, and time-sharing operating systems; linking, loading, input-output systems, interacting processes, storage management, process and resource control, file systems.

COP 4710. Theory and Structure of Databases (3). Prerequisites: COP 3330 and MAD 2104. This course examines the theory of relational and object-oriented databases; relational database management systems and SQL; design, development, and implementation issues in database systems.

Graduate Courses

- CCJ 5016. Crimes of the Powerful (3).
 CCJ 5020. Penology (3).
 CCJ 5028r. Seminar in Criminology and Criminal Justice (3).
 CCJ 5029. The Political Economy of Crime and Justice (3).
 CCJ 5050. Proseminar in Criminology (3).
 CCJ 5078. Computer Applications in Criminal Justice (3).
 CCJ 5109. Theory in Criminology and Criminal Justice (3).
 CCJ 5138. Science, Evidence and the Law (3).
 CCJ 5285. Survey of Criminal Justice Theory and Research (3).
 CCJ 5456. Criminal Justice Administration (3).
 CCJ 5546. Prevention and Treatment of Crime and Delinquency (3).
 CCJ 5606. Survey of Criminological Theories (3).
 CCJ 5607. History of Criminological Thought (3).
 CCJ 5609. The Conduct of Inquiry in Criminology and Criminal Justice (3).
 CCJ 5625. Ecology of Crime (3).
 CCJ 5636. Comparative Criminology and Criminal Justice (3).
 CCJ 5669. Race, Ethnicity, Crime and Social Justice (3).
 CCJ 5672. Gender, Crime and Justice (3).
 CCJ 5704r. Introduction to Research Methods and Statistics (3).
 CCJ 5705. Research Methods in Criminology I (3).
 CCJ 5706. Applied Statistics in Criminology I (3).
 CCJ 5707. Qualitative Methods in Criminology (3).
 CCJ 5709. Survey Research Methods in Criminology and Criminal Justice (3).
 CCJ 5740. Data Analysis in Criminology and Criminal Justice (3).
 CCJ 5944. Supervised Teaching (3). (S/U grade only.)
 CCJ 5945. Field Practice in Criminology (9). (S/U grade only.)
 CCJ 5946r. Criminal Justice Practicum (3–6). (S/U grade only.)
 CCJ 5971r. Thesis (1–6). (S/U grade only.)
 CCJ 5974r. Area Paper in Criminology (1-6). (S/U grade only.)
 CCJ 5981r. Directed Individual Study (3). (S/U grade only.)
 CCJ 6065. Professional Development in Criminology (3).
 CCJ 6109r. Advanced Seminar in Criminological Theory (3).
 CCJ 6665. Victimology (3).
 CCJ 6708. Seminar in Crime Research (3).
 CCJ 6741. Advanced Data Analysis in Criminology and Criminal Justice (3).
 CCJ 6920r. Seminar in Theoretical Criminology (3).
 CJE 5024. Police and Society (3).
 CJJ 5020. Juvenile Justice (3).
 CJL 5420. Criminal Laws, Criminal Procedure and Individual Rights (3).
 CJL 5520. Structure and Process of the American Court System (3).
Note: The following courses are offered only at the Panama City campus as part of the Certificate in Underwater Crime Scene Investigation:
 CJE 5766. Forensic Science in Investigation (3).
 CJE 5766L. Forensic Science in Investigation Laboratory (2).
 CJE 5767. Scientific Underwater Investigation (3).
 CJE 5767L. Scientific Underwater Investigation Laboratory (1).
 CJE 5768. Underwater Crime Scene Methodology (3).
 CJE 5768L. Underwater Crime Scene Methodology Laboratory (1).
 CJE 5769. Underwater Crime Scene Investigation (3).
 CJE 5769L. Underwater Crime Scene Investigation Laboratory (1).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

**CRITICAL THEORY:
see *Graduate Bulletin***

School of DANCE

COLLEGE OF VISUAL ARTS, THEATRE AND DANCE

Web Page: <http://dance.fsu.edu/>

Co-Chairs: Patricia Phillips, Russell Sandifer; **Professors:** Farrell, Fichter, Houlihan, Morgan, Phillips, Sandifer, Sommer, Wagoner, Welsh, Young, Zollar; **Associate Professors:** Austin, Corbin, Glenn, McCullough; **Assistant Professor:** Atkins; **Associates in Dance:** Calienes, Fausone

The School of Dance offers work leading to the Bachelor of Fine Arts (BFA) degree in dance. The mission of the Florida State University School of Dance is to provide an environment conducive to the highest caliber of dance training, art making, and scholarship. Our approach encourages fluidity between the processes of making art, honing craft, and deepening intellectual explorations. We cultivate the individual creative voice with exposure to diverse technical and philosophical approaches. Such an environment nurtures exceptional dance practitioners, allows us to make creative and intellectual contributions to the larger dance community, and fosters collaborative endeavors within and beyond our field.

The curriculum is designed to prepare the student who wishes to enter dance as a profession. Of the many professional avenues in which dance can be pursued and practiced, performance and choreography constitute the emphasis of the undergraduate major curriculum at this University. The theoretical aspects of dance (pedagogical, historic, and aesthetic) are also stressed.

To fulfill the purpose of the program, the faculty consists of outstanding artist-teachers and scholars who are committed to the model of intensive professional training within the context of a broad University education. A full production schedule offers extensive opportunities for repertory study, performance, and choreography, complemented by work with guest choreographers and visiting lecturers. Part of the school's mission is to serve as a regional repertory center for the reconstruction and production of dance masterworks and the creation of original repertory. The program's facilities include spacious studios and **The Nancy Smith Fichter Dance Theatre**. The recently established Maggie Allesee National Center for Choreography, a dance and choreographic research center affiliated with the School of Dance, hosts numerous internationally recognized dance artists.

In addition to the dance major degree program, the school offers some liberal studies coursework and elective coursework for the general University student. The school also offers work leading to the Master of Fine Arts (MFA) degree in dance and a Master of Arts (MA) degree in dance with a major in studio and related studies, as well as a Master of Arts (MA) degree in American dance studies. Interested students should consult the *Graduate Bulletin* for details.

The Florida State University School of Dance is an accredited institutional member of the National Association of Schools of Dance.

Audition and Screening

All undergraduate students who wish to major in dance must audition for admission into the dance major program. Auditions are held at designated periods throughout the year.

Assessment of every dance major occurs at various times throughout each year to evaluate the student's progress in the major program. Such assessment is part of a continuous advisement and monitoring procedure. A probationary period may be established if a student is having difficulty and needs special attention. A student who cannot meet the school's proficiency standards will be discontinued from the dance major program.

Placement and Proficiency

Intrinsic to the development of a dancer is the technical command of the instrument and the expansion of the vocabulary of movement; therefore, dance majors are continually assessed during their curricular experiences in order to be placed at the correct level of studio work in dance technique. All students are assigned an appropriate placement level in ballet and contemporary dance upon entrance into the program and must maintain continuous participation in ballet and contemporary dance technique classes throughout enrollment in the curriculum. Students who demonstrate the skill necessary for the next level of work upon completion of a studio technique course will be permitted to enroll at the next level. If not, they will be expected to continue in designated courses at their level of technique until they are ready to advance. To meet graduation requirements, the student must achieve and maintain the ballet III level and the contemporary dance II level or the contemporary dance III level and the ballet II level; the advanced proficiency level (III) must be achieved by one semester prior to graduation.

Performance

The dance major is required to participate in a minimum of four performing experiences sponsored by the school.

Florida Teacher Certification in Dance

A program will be designed for the BFA degree-seeking student who wishes K-12 teacher certification in dance. Additional hours beyond the one hundred twenty-eight semester hours required for the BFA degree are necessary to achieve full certification.

Liberal Studies

All students working toward a degree in dance are required to meet the liberal studies requirements.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in dance satisfy this requirement by earning a grade of "C-" or higher in DAN 4418.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

Dance—BFA Track

Any twenty-four credit hours from the following thirty credit hours will be accepted toward the major:

1. DAN X610 or DAN X600 (three credit hours)
2. DAN X611 or DAN X601 (three credit hours)
3. DAA X610 (two credit hours)
4. DAA X611 (two credit hours)
5. DAA X680 (two credit hours) or any lower level repertory courses in the 400-499 series for up to four credit hours
6. DAA X681 (two credit hours) or any lower level repertory courses in the 400-499 series for up to four credit hours
7. DAA X200-X209: any lower level ballet technique courses for up to eight credit hours
8. DAA X100-X109: any lower level modern technique courses for up to eight credit hours

Note: Although credit toward the major will be given for these, placement in upper level technique courses will continue to be based on individual student proficiency.

Minimum Requirements for the BFA in Dance

1. **Dance Technique.** Thirty semester hours and fulfillment of proficiency requirement. Dance technique courses include DAA 3108r, 3109r, 3208r, 3209r, 4110r, 4210r. The student enrolls in both ballet and contemporary dance throughout enrollment as a dance major except in the following two instances: (a) during summer session, students may elect to take only one of the technique courses (either ballet or contemporary dance); (b) if students have achieved and maintained the required proficiency levels in technique for at least one semester they may elect to take only one of the technique courses (either ballet or contemporary dance) during one of the last two semesters before graduation.
2. **Dance Composition and Repertory.** Ten semester hours including DAA 2610, 3614, 3654r, DAN 2611

3. **Other Dance Courses.** Forty semester hours, including Dance Ensemble (four semester hours of DAA 1680r, 2681r, 3684r, or 4685r); DAE 3384; DAN 2500, 2610, 3144, 3145, 3146, 3400, 3504, 3584r, 3714, 3744, 4418 and six semester hours of DAN 4935.
4. **Liberal Studies.** Thirty-six semester hours. Three hours of the history and philosophy of dance courses—DAN 3144, 3145 or 3146—may be applied to Area IV of liberal studies requirements.
5. **Electives:** Twelve to fifteen semester hours. Students exercising the option under requirement four above will complete fifteen elective semester hours.

Total: One hundred twenty-eight semester hours.

The applicability of previous coursework to dance curricular requirements is assessed and determined by the School of Dance. A transfer student need not earn the maximum semester hours in dance technique but must fulfill the curricular requirement of maintaining continuous participation in ballet and contemporary dance throughout enrollment in the curriculum and must achieve and maintain the required technical proficiency levels.

Undergraduate dance majors need not earn the maximum semester hours in dance technique if they are able to complete successfully all other University and school course requirements for graduation and if they have achieved the required technical proficiency levels prior to accumulation of the maximum hours in technique.

Honors in the Major

The School of Dance offers a program in honors in the major to encourage talented juniors and seniors to undertake independent and original research or creative work. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Definition of Prefixes

DAA—Dance, Emphasis on Activity

DAE—Dance Education

DAN—Dance

Undergraduate Courses

DAN 4900r. Honors Study in Dance (1-6). Prerequisite: Admission to honors in dance program. Written thesis for creative or academic research done as part of the honors in dance program. May be repeated to a maximum of nine semester hours.

DAN 4935r. Special Topics in Dance (1-3). Prerequisites: Vary depending on topic. Topics may vary from term to term. May be repeated to a maximum of twelve semester hours.

Dance Technique

The following courses offer a progression of study to develop technical and performance skills, as well as concepts in dance.

Ballet

DAA 1200r. Beginning Ballet I-Nonmajors (3). This course is suitable for students with little or no previous ballet training. Includes some theoretical study of the history of the art form and comprehension of the vocabulary of ballet technical terms. May be repeated to a maximum of nine semester hours.

DAA 1201r. Beginning Ballet II-Nonmajors (3). Prerequisite: Faculty placement or instructor permission. This course is suitable for students who are familiar with basic ballet movement. Includes some theoretical study of the history of the art form and comprehension of the vocabulary of ballet technical terms. May be repeated to a maximum of nine semester hours.

DAA 1202r. Beginning Ballet III-Nonmajors (3). Prerequisite: Faculty placement or instructor permission. This course is suitable for students who are ready to learn more complex phrasing and transitioning of basic ballet movement. Includes some theoretical study of the history of the art form and comprehension of the vocabulary of ballet technical terms. May be repeated to a maximum of nine semester hours.

DAA 2203r. Intermediate Ballet-Nonmajors (3). Prerequisite: Faculty placement or instructor permission. This course is designed for ballet students who are ready to develop proficiency at the intermediate level, and includes some theoretical study of the history of the art form as well as comprehension of the vocabulary of ballet technical terms. May be repeated to a maximum of eighteen semester hours.

DAA 3208r. Ballet I (1-3). Prerequisites: Major status and faculty placement or instructor permission. May be repeated to a maximum of twelve semester hours.

DAA 3209r. Ballet II (1-3). Prerequisites: Major status and faculty placement or instructor permission. May be repeated to a maximum of twenty-four semester hours.

DAA 4210r. Ballet III (1-3). Prerequisites: Major status and faculty placement or instructor permission. May be repeated to a maximum of twenty-four semester hours.

Contemporary Dance

DAA 1100r. Beginning Contemporary Dance I—Nonmajors (3). This course develops basic techniques and understanding of the art of contemporary dance. Includes some theoretical study of the history of the art form. May be repeated to a maximum of nine semester hours.

DAA 1102r. Beginning Contemporary Dance III—Nonmajors (2). Prerequisite: Faculty placement or instructor permission. Each course may be repeated to a maximum of six semester hours.

DAA 2103r. Intermediate Contemporary Dance—Nonmajors (3). Prerequisite: Faculty placement or instructor permission. This course is designed for the intermediate contemporary dancer that has had previous movement experience in contemporary dance technique, and includes some theoretical study of contemporary dance history. May be repeated to a maximum of eighteen semester hours.

DAA 3108r. Contemporary Dance I (1–3). Prerequisites: Major status and faculty placement or instructor permission. May be repeated to a maximum of twelve semester hours.

DAA 3109r. Contemporary Dance II (1–3). Prerequisites: Major status and faculty placement or instructor permission. May be repeated to a maximum of twenty-four semester hours.

DAA 4110r. Contemporary Dance III (1–3). Prerequisites: Major status and faculty placement or instructor permission. May be repeated to a maximum of twenty-four semester hours.

Jazz

DAA 1500r. Jazz Dance I—Nonmajors (3). This studio course introduces jazz dance as an art form while developing the basic skills and vocabulary of jazz dance. Includes some theoretical study of the history of jazz dance and development of critical-response skills to dance performance. May be repeated to a maximum of eighteen semester hours.

DAA 1501r. Jazz Dance II—Nonmajors (3). Prerequisite: Faculty placement or instructor permission. This studio course explores jazz dance as an art form while developing more advanced skills and vocabulary of jazz dance. Includes some theoretical study of the history of jazz dance and the experience of responding critically to dance as an audience member. May be repeated to a maximum of eighteen semester hours.

Aspects of Dance Performance

DAA 1680r. Dance Ensemble (1). (S/U grade only.) This course provides experience in dance ensemble and performance work. Official casting and faculty approval required. May be repeated to a maximum of three semester hours.

DAA 2681r. Special Dance Performance (1). (S/U grade only.) This course provides experience in dance ensemble and performance work. Official casting and faculty approval required. May be repeated to a maximum of three semester hours.

DAA 3684r. Dance Ensemble (1). (S/U grade only.) This course provides experience in dance ensemble and performance work. Official casting and faculty approval required. May be repeated to a maximum of three semester hours.

DAA 3695r. Dance Performance (1–2). Majors only. This course includes preparation and public performance of selected roles in dance repertory. Official casting and faculty approval required. May be repeated to a maximum of sixteen semester hours.

DAA 4685r. Dance Ensemble (1). (S/U grade only.) This course provides experience in dance ensemble and performance work. Official casting and faculty approval required. May be repeated to a maximum of three semester hours.

Dance Composition and Repertory

DAA 2610. Dance Composition (2). Prerequisites: DAN 2610 and major status. This course explores basic rhythmic, spatial, and dynamic materials in the designing of dance movements; improvisation and exploration of various ideological and aesthetic sources.

DAA 2611. Dance Composition (2). Prerequisites: DAN 2610 and major status. This course explores basic rhythmic, spatial, and dynamic materials in the designing of dance movements; improvisation and exploration of various ideological and aesthetic sources.

DAA 3614. Dance Composition (3). Prerequisite: DAN 2611. This course is a study of choreographic forms and structures, musical forms, extended temporal and dynamic studies, components of dramatic and stylistic forms, use of dance technology compositionally.

DAA 3654r. Choreography—Repertory (2). Prerequisite: Instructor permission. This course covers the study and practice of selected works of dance repertory. May be repeated to a maximum of sixteen semester hours.

DAA 4615. Dance Composition (3). Prerequisites: DAA 3614; instructor permission. This course examines the extended choreographic process: production of extended choreographic works.

Rhythmic and Musical Theory

DAN 2610. Rhythmic Analysis (3). This course is an analysis of rhythmic structures and their relationship to dance form and composition.

DAN 2611. Music and Choreography (3). Prerequisite: DAN 2610. This course is an analysis of various elements of music with relationship to dance performance and/or choreography.

Notation and Movement Analysis

DAN 3400. Movement Analysis (3). Prerequisite: DAN 2610. This course introduces and develops a basic understanding of movement-analysis concepts and systems of documentation and reconstruction. An historical survey of dance notation systems and movement analysis theories is conducted. Theoretical materials are examined through emphasis on movement observation, writing and reading skills, and creative use of concepts.

DAN 3445. Labanotation (5). Prerequisite: DAN 2610. This course introduces and develops beginning through intermediate skills. Theoretical materials in labanotation are examined with emphasis on writing and developing reading skills.

DAN 3714. Dance Kinesiology (3). This course covers the study of movement theories and body alignment for the technical aspects of dance performance.

DAN 3744r. Dance Conditioning (2). This course is a studio laboratory for concepts in movement theory and body alignment. May be repeated to a maximum of four semester hours.

Dance Production and Technology

DAN 2500r. Introduction to Design (1). This course examines the basic vocabulary, understanding, and appreciation of the design process in dance production. May be repeated to a maximum of two semester hours.

DAN 3504. Dance Production (2). Prerequisite: Instructor permission. This course studies the technical aspects of production.

DAN 3584r. Dance Theatre Laboratory (1). This course covers assigned problems in connection with current dance theatre production. May be repeated to a maximum of four semester hours.

DAN 4418r. Survey of Dance Technologies (3). This course provides training and aesthetic guidance for dance artists through the generation of computer-assisted imagery. It sets a foundation for future work in the areas of dance documentation, preservation, creation, promotion, and multimedia performance. May be repeated a maximum of six semester hours.

DAN 4420r. Dance and Video (2). Prerequisite: DAN 4418. This course includes the study of camera techniques for the screen and projection design for stage. The course is conducted in two units. The first unit explores concert dance documentation and video-dance production. The second unit explores visual media design for the theater. These units may be taken concurrently in the same semester or sequentially for two credits each to a maximum of eight semester hours.

DAN 4484. Documentation Techniques (3). Prerequisite: DAN 4418. This course instructs students in capturing the art of motion, combining hands-on experience with reading, discussion, and critique to develop technical skills and aesthetic awareness related to the documentation of concert dance.

History and Theory of Dance

DAN 2100. Introduction to History and Appreciation of Dance (3). This course is a survey of the development of dance in human culture with emphasis on dance as an art form. The major periods of dance history, choreographic masterworks, and artists in choreography and performance are explored through readings, discussion, media presentation, live performances, and movement laboratories. No prior dance experience is required.

DAN 3144. History and Philosophy of Dance (3). This course covers the origins and development of dance, ritual and social components of dance, as well as dance in early cultures.

DAN 3145. Ballet History (3). This course introduces students to the fundamental themes of ballet history, from the Renaissance to today. Topics include the development of ballet technique, movements in art and society as they influenced or reflected ballet, gender theories of performance, and the role of ballet in society.

DAN 3146. 20th Century Concert Dance History (3). This course focuses on providing a general survey of 20th-century American concert dance and facilitates insights about dance and its relationship to the culture(s) and events that produced it. Dances and dancing are cultural templates. Dancing behaviors and movement record social demographics, codes of gender and property, and political ideologies, as well as aesthetic preferences.

DAN 3185. African-American Dance in American Culture (3). This course examines how cultural and artistic expressions can both integrate and divide different groups of people along lines of race and class using African-American dance as a central focus.

DAN 4182. Dancing in the Movies (3). This course traces the evolution of dance in the American popular film industry. Emphasis will be placed on how movies encapsulate popular stereotypes and icons, revealing the roles of gender, race, fashion, economic and political forces.

Pedagogy

DAE 3384. Methods and Materials in Dance Education (3). This course studies the principles of learning and how they inform the processes of designing lessons and teaching dance. Includes a five-week teaching practicum in local schools in addition to coursework on campus.

Other Courses

DAN 4905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve semester hours.

DAN 4910r. Dance Internship (1-6). This course is a supervised internship to provide students with professional experience in their field. Design of the internship is developed by the student and intern host in consultation with the academic adviser. May be repeated in the same semester with instructor permission to a maximum of twelve semester hours.

Graduate Courses

- DAA 5118r.** Contemporary Dance (1-3).
DAA 5218r. Ballet (1-3).
DAA 5618. Choreography (3).
DAA 5648r. Choreographic Project (2-6). (S/U grade only.)
DAA 5688r. Dance Ensemble (1). (S/U grade only.)
DAA 5698r. Dance Performance (1-2).
DAE 5305. Science of Dance Training (3).
DAE 5387. Dance History Pedagogy (3).
DAE 5940. Supervised Teaching (2). (S/U grade only.)
DAN 5126r. Current Issues in Dance History, Theory, and Research (1-3).
DAN 5128. Theory of Dance (3).
DAN 5147. History of American Dance 1492-1892 (3).
DAN 5148. History of American Dance 1892-1960 (3).
DAN 5149. History of American Dance 1960-2000 (3).
DAN 5158. Theory of Dance Performance and Directing (3).
DAN 5190. Theory and Practice in Dance Technique (3).
DAN 5191r. Seminar Studies in Dance History and Research (3).
DAN 5193. History of African-American Social Dance of the Twentieth Century (3).
DAN 5194. Dancing in the Movies (3).
DAN 5486. Documentation Techniques (3).
DAN 5508. Visual Design for Choreography (3).
DAN 5591r. Dance and Video (2).
DAN 5905r. Directed Individual Study (2-3).
DAN 5910. Supervised Research (2). (S/U grade only.)
DAN 5930r. Special Topics in Dance (1-3).
DAN 5940r. Dance Internship (1-12).
DAN 5950r. New York City: Arts and Resources (3).

For listings relating to master's examinations and defense, consult the *Graduate Bulletin*.

DEMOGRAPHY:
see *Graduate Bulletin*

DEVELOPING AREAS, PLANNING FOR:
see *Urban and Regional Planning*

DIETETICS:
see *Nutrition, Food and Exercise Sciences*

Department of EARTH, OCEAN, AND ATMOSPHERIC SCIENCE

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://www.eoas.fsu.edu/>

Chair: Lynn M. Dudley; **Professors:** Burnett, Cai*, Chanton, Chassignet, Clarke, Dewar, Dudley, Ellingson, Froelich, Fuelberg, Hu*, Huettel, Humayun, Kostka, Landing, Liu, MacDonald, Marcus, Nicholson, Nof, Odom, Ray, Salters, Speer, Thistle, Tull, Wise, Zou*; **Associate Professors:** Ahlquist, Arnold, Bourassa*, Clayton*, Donoghue, Hart, Kish, Parker, Ruscher*; **Assistant Professors:** Baco-Taylor, Farris, Misra, Sura, Wu; **Professors Emeriti:** Barcion, Hsueh*, Krishnamurti, Gleeson, LaSeur, Long, Loper, O'Brien*, Pfeffer, Staley, Sturges, Weatherly, Winchester
 *Also Associate, Geophysical Fluid Dynamics Institute

In 2010, the departments of Geological Sciences, Oceanography, and Meteorology merged to form Earth, Ocean, and Atmospheric Science, creating new opportunities for undergraduate and graduate education in the geosciences. The department provides students with an opportunity for holistic study of the Earth's physical environment. Due to concerns about climate change, environmental sustainability, availability of natural resources and environmental pollution and degradation, the U.S. Bureau of Labor Statistics projects an overall 19% increase in geoscience-related occupations between 2006 and 2016, which is 9% faster than the growth rate for all U.S. occupations. Earth, Ocean, and Atmospheric Science offers three undergraduate degree programs that prepare students for employment or further study in the geosciences:

- a Bachelor of Science in Environmental Science
- a Bachelor of Arts in Environmental Science and Policy
- a Bachelor of Science in Geology
- a Bachelor of Science in Meteorology
- a Bachelor of Arts in Meteorology
- FSU Teach Geoscience Program

The Department of Earth, Ocean, and Atmospheric Science maintains the resources of the three original departments. Our oceanography and meteorology programs are among the leading programs in the country. Our meteorology program is the flagship program in the southeastern United States and is considered to be one of the top five comprehensive meteorology programs in the nation.

Members of the Department of Earth, Ocean, and Atmospheric Science enjoy the benefits of advanced scientific equipment and cooperative research including collaboration with the **Geophysical Fluid Dynamics Institute (GFDI)**, and the Department of Scientific Computing. Scientific computations are handled on equipment ranging from PCs, Macintosh, and Linux computers to networks of scientific workstations and supercomputers.

The Department of Earth, Ocean, and Atmospheric Science maintains a full suite of weather applications software including those supported by the Unidata program and receives real-time National Weather Service data feeds. A public area for current weather discussions and classes features multiple computer displays. Two departmental computing laboratories are well populated with networked workstations. **The Florida Climate Center** and **Office of the State Climatologist** are housed in the department and are equipped with archives of Florida weather and climate records. An instrumentation facility is also housed in the department, including data loggers and a variety of modern and historical instruments, and a rooftop meteorological tower for real-time local observations. **The National Weather Service Forecast Office**, located within the department, facilitates interactions between students and professional operational forecasters.

The department has a complete television studio equipped with state-of-the-art broadcasting technology, where students prepare weathercasts for class (MET 3940) and for regular broadcasts on Florida State University's cable television channel, which is seen in surrounding counties and streamed over the Internet. Students often use this experience to develop internships with television stations and to get jobs. Other internship opportunities through private companies or state, local, or federal agencies also are possible. In particular, partnerships and internships with the headquarters of state government agencies located in Tallahassee continue to offer opportunities for our students.

Available for use on student projects are a full array of equipment for investigating radon and radium in the environment, three mass spectrophotometers capable of measuring stable isotope ratios. The department has equipment for investigating carbon dynamics including greenhouse gases in the laboratory and the field. The geochemistry program at the **National High Magnetic Field Laboratory** has facilities to measure trace level concentrations of most elements of the periodic table as well as measure the isotopic composition of many stable and radioactive elements. These capabilities allow researchers to fingerprint the sources of different elements in the environment

as well as to trace chemical processes. Students and faculty have access to five different types of mass spectrometers to take measurements based on their area of “specialization”. The laboratories also include a “clean lab” which allows processing of small samples as well as determining concentrations at very low levels. The department also houses a large array of equipment for investigation of microbial ecology including equipment for the cultivation of anaerobic microorganisms. The **oceanography program** brings a large array of equipment for investigations of ocean currents, chemistry, and biology including a seawater flume, three epifluorescent microscopes, equipment for taking photographs of and samples from the deep sea, equipment for measuring temperature, salinity, and oxygen in the field and laboratory, ocean observing instruments and high performance computational resources. The **Coastal Research Laboratory** includes facilities to support lab and field activities related to coastal and near-shore environmental research: sedimentologic sampling devices, sediment analytic tools, and access to various sediment dating methods. The department also utilizes facilities at the **FSU Coastal & Marine Lab, Antarctic Marine Geology Research Facility, Electron-Microscopy Lab** and the **High Performance Computing Facility**. Faculty and students make use of University-National Oceanographic Laboratory System (UNOLS) vessels as well as the R/V Bellows and R/V Suncoaster berthed in St. Petersburg for research cruises around the globe.

The EXPLORES! educational outreach program and the **Center for Ocean-Atmosphere Prediction Studies (COAPS)** formed within the department in the 1990s. These programs focus on faculty interactions with science teachers, operational meteorologists and oceanographers, and other researchers in exciting new fields of research. For additional information, see the department’s Web site at <http://www.eoas.fsu.edu/>.

ENVIRONMENTAL SCIENCE

Earth, Ocean, and Atmospheric Science offers two degrees in Environmental Science. Environmental Science is the interdisciplinary study of environmental systems from a scientific perspective. Drawing principally from the areas of oceanography, geology, and meteorology, the Bachelor of Science in Environmental Science will prepare students in the broader and technical area of geoscience where the greatest expansion in employment opportunities is predicted and is an attractive option for students seeking a broader interdisciplinary major with the rigor of mathematics and the physical sciences at its core. The BS degree will provide a strong basis for graduate study in environmental and earth sciences.

The department also offers a Bachelor of Arts degree in Environmental Science and Policy. The BA degree differs from the BS degree in lower-level mathematics requirements and a greater emphasis on policy. These programs aim to prepare exceptionally well-qualified graduates equipped to work in the interdisciplinary earth sciences, whether in government agencies, NGOs, or the private sector. For additional information, see the department’s Web site at <http://www.eoas.fsu.edu/>.

GEOLOGY

Earth, Ocean, and Atmospheric Science offers the bachelor of science (BS), master of science (MS), and doctor of philosophy (PhD) in geology. Emphasis is on fundamental applications of chemistry, physics, biology, and the scientific method in the study of the earth; field experience is also stressed. Faculty members offer coursework in many areas of surficial, tectonic, environmental, and stratigraphic geology; hydrology; and geochemistry.

The major program is intended to provide a well-rounded introduction to the study of the Earth as well as to prepare the student for more advanced study in the fields of natural resources, environmental planning, oceanography, geophysics, and other earth science specialties.

Various scholarships are offered (and part-time work is available) within Earth Ocean and Atmospheric Sciences, with the Florida Geological Survey of the Florida Department of Environmental Protection (on campus), and with other agencies of the state and federal governments.

Honors in the major can be earned by talented juniors and seniors by engaging in an independent project ending in an honors thesis. For requirements and other information, see the “University Honors Office and Honor Societies” chapter of this *General Bulletin*.

METEOROLOGY

Earth, Ocean, and Atmospheric Science offers the bachelor of science (BS), bachelor of arts (BA), master of science (MS), and doctor of philosophy (PhD) in meteorology. By tradition, meteorology is divided into four branches: physical, dynamical, synoptic, and applied meteorology. Physical meteorologists deal with such areas as the physics of rain formation, atmospheric electricity, and radiative transfer and remote sensing. Dynamical meteorologists work in such areas as the mathematical representation of atmospheric flow

patterns and the numerical prediction of these patterns. Synoptic meteorologists are involved with the description of atmospheric disturbances and with weather forecasting. Applied meteorologists deal with the application of meteorological and climatological knowledge to such areas as agriculture, architecture, ecology, and air pollution. The undergraduate program provides a broad overview of these branches of meteorology while graduate students are encouraged to specialize in one of them. Meteorologists are needed in research, forecasting, and operational positions to study, interpret and predict weather and climate processes and patterns and to relate these to human activities. Severe storms, floods, droughts and air pollution are examples of atmospheric phenomena, which influence health, transportation, agriculture, and business activities.

Graduate Study in Oceanography and Geology

Earth, Ocean and Atmospheric Science offers the master of science (MS), and doctor of philosophy (PhD) in Oceanography and in Geology and a non-thesis master of science in Aquatic Environmental Science and a Professional Science Master’s in Aquatic Environmental Science.

Undergraduates interested in Oceanography or Geology graduate degrees will find the Environmental Science BS degree excellent preparation for graduate study. Students may choose a specific area of emphasis including geology (coursework will permit graduates to take the examination leading to Professional Geologist Certification), environmental engineering, biogeochemistry, atmospheric science, or marine biology.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in applied geosciences/FSU-Teach satisfy this requirement by earning a grade of “C–” or higher in ISC 3523C. Undergraduate majors in environmental science and environmental science and policy satisfy this requirement by earning a grade of “C–” or higher in BSC 2010L. Undergraduate majors in geology satisfy this requirement by earning a grade of “C–” or higher in CGS 2060. Undergraduate majors in meteorology satisfy this requirement by earning a grade of “C–” or higher in MET 3220C.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for University degree programs in this department. Specific prerequisites are required for admission into the upper-division programs and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into the upper-division degree programs:

Applied Geosciences, FSU-Teach

1. MAC X311
2. MAC X312
3. PHY X048/X048L and PHY X049/X049L, or PHY X048C and PHY X049C
4. CHM X045/X045L and CHM X046/X046L, or CHM X045C and CHM X046C
5. SMT X043
6. SMT X053

Note: Transfer students will be able to take SMT X043 and SMT X053 when admitted to upper division.

Environmental Science

Environmental Science BS

1. MAC X311
2. STA X122 or ISC X523C
3. BSC X010/X010L
4. CHM X045/X045L
5. PHY X048C or PHY X053C

6. BSC X011/X011L or CHM X046/X046L
7. GLY X010C

Environmental Science and Policy BA

1. MAC X105
2. MAC X140 or STA X122
3. BSC X010/X010L
4. CHM X045/X045L
5. GLY X010C

Geology

1. CHM X045/X045L, or CHM X040 and CHM X041 or CHM X045C
2. CHMX046/X046L or CHM X046C
3. MAC X311 or MTH X281
4. GLY X010C or GLY X010/X010L
5. PHY X048C and PHY X049C, or PHY X048/X048L and PHY X049/X049L
6. PHY X053C
7. PHY X054C
8. XXX XXXX: Historical Geology is strongly recommended.

Note: The choice of Physics sequence depends on the area of geology specialization.

Meteorology

1. MAC X311
2. MAC X312
3. PHY X048C/X048L and PHY X049/X049L, or PHY X048C and PHY X049C
4. CHM X045/X045L or CHM X045C

Note: Transfer students will be able to take SMT X043 and SMT X053 when admitted to upper division.

FSU-Teach Program in Applied Geosciences

FSU-Teach is an innovative approach to teacher education that involves a collaboration between scientists, mathematicians, and education faculty at The Florida State University. In Applied Geosciences/FSU-Teach, students will develop deep science or mathematic knowledge and the knowledge, skills, and experience needed to be an effective science or math teacher. The program includes coursework in meteorology, geology, oceanography, hydrology, and astronomy. The program will pay for tuition for the first two science/teaching courses. Internship positions with scientists, mathematicians and local schools are available. This is a double-major only program. FSU-Teach majors are first admitted into their primary, discipline-specific major and must meet the state-wide common program prerequisites for that major, in this case Applied Geosciences. Later, students apply for admission into a secondary major within the College of Education called Science Teaching/FSU Teach. Upon graduation, students are awarded the BS degree with majors in Applied Geosciences/FSU-Teach and Science Teaching. For more information, see our Web site: <http://fsu-teach.fsu.edu>.

Bachelor of Science in Environmental Science

A minimum of forty semester hours, as specified below is required. Students should complete the prerequisite coursework for entrance to the major program of study. Students must also have completed a minimum of fifty-two hours of credit and at least half the required hours in Liberal Studies including required English and math, or an AA degree. No required course in which a student has earned a grade below "C-" may be applied toward the degree in Environmental Science. A student who has received more than five unsatisfactory grades (U, F, D-, D, D+) in science or mathematics courses (and their prerequisites) taken at Florida State University or elsewhere, including repeated unsatisfactory grades in the same course, will not be permitted to graduate with a degree in this major.

Coursework and Requirements

Please review all college-wide degree requirements summarized in the "College of Arts and Sciences" chapter of this *General Bulletin*.

Environmental Science Core courses (nineteen to twenty hours)

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|-----------------|--|
| GEO 1330 | Environmental Science (3) |
| MET 1010 | Introduction to the Atmosphere (3) or MET 2700 General Meteorology (3) |
| OCE 4008 | Principles of Oceanography (3) |

- | | |
|------------------|--|
| OCE 4017 | Current Issues in Environmental Science (3) or GLY 3039 Energy, Resources, and the Environment (3) |
| GLY 4751C | Introduction to Remote Sensing & GIS (3) or if not available substitute GIS 4043 Geographic Information Processing and Systems (3) and GIS 4043L GIS Lab (1) |

Environmental Science Elective courses Choose a total of twenty-one hours, nine of which must be selected from List 1 and the remaining twelve hours from any of the three lists below.

1. Geoscience Elective Courses

GLY 2100	Historical Geology (3)
GLY 3200C	Mineralogy and Crystallography (3)
GLY 3610C	Paleontology (4)
GLY 4544C	Sedimentation and Stratigraphy (4)
GLY 4820	Principles of Hydrology (3)
MET 2101	Physical Climatology (3) or MET 3103C Climate Change Science (3) or ISC 2003 Global Change: Its Scientific and Human Dimensions (3)
EOC 4631	Marine Pollution (3)
MET 3220C	Meteorological Computations (3)
MET 3300	Introduction to Atmospheric Dynamics (3)
MET 4159r	Selected Topics in Meteorology (1-3)
OCC 4060	Environmental Science Modeling (3)
OCB 4631	Estuarine and Coastal Ecology (3)
OCE 4930r	Studies in Oceanography (1-4) (Topics vary: Earth System, Marine Microbial Ecology, Marine Conservation Biology, Geomicrobiology, Environmental Science II, Habitable Planet)
OCP 4005	Introduction to Physical Oceanography (3)
2. Environmental Engineering Tools (these courses can be taken for an engineering focus)

CGN 2327L	Civil Engineering Graphics Lab (1)
CEG 2202C	Site Investigation (4)
EES 3040	Introduction to Environmental Engineering Science (3)
EES 3040L	Environmental Engineering Science Lab (1)
EGM 3512	Engineering Mechanics (4)
EGN 2123	Computer Graphics for Engineers (2)
3. Graduate School Preparation

BSC 2011	Biological Science II (3) and BSC 2011L Animal Diversity Laboratory (2) OR CHM 1046 General Chemistry II (3) and CHM 1046L General Chemistry II Laboratory (1) (Not to repeat but in addition to the prerequisite)
CHM 2210	Organic Chemistry I (3)
CHM 2211	Organic Chemistry II (3) and CHM 2211L Organic Chemistry II Lab (3)
MAC 2311	Calculus with Analytical Geometry I (4)

Collateral Minor 0 beyond required courses.

Twelve hours of required coursework in the Geoscience Elective classes (List 1) in geology (GLY), meteorology (MET) and/or oceanography (EOC, ISC, OCB, OCC, OCE) courses listed above constitute a collateral minor in Earth, Ocean and Atmospheric Science. If a student takes twelve hours in any one of these subject areas, then their collateral minor would be in that area. For example if one takes twelve hours of GLY classes listed above one would have a minor in geology. However, a student may select other minors in consultation with an adviser.

Requirements for a Minor in Environmental Science (for non-environmental science majors)

A minimum of fifteen semester hours of Environmental Science courses approved for major credit as follows: two of the following; MET 1010 (or MET 2700), GLY 2010C or OCE 4008, AND any three courses from the Geoscience Elective courses (List 1).

Bachelor of Arts in Environmental Science and Policy

A minimum of thirty-seven semester hours, as specified below is required. Students should complete the prerequisite coursework for entrance to the major program of study. Students must also have completed a minimum of fifty-two hours of credit and at least half the required hours in Liberal Studies including required English and Math, or an AA degree. No required course in which a student has earned a grade below "C-" may be applied toward the degree in Environmental Science and Policy. A student who has received more than five unsatisfactory grades (U, F, D-, D, D+) in science or math-

ematics courses (and their prerequisites) taken at Florida State University or elsewhere, including repeated unsatisfactory grades in the same course, will not be permitted to graduate with a degree in this major.

Coursework and Requirements

Please review all college-wide degree requirements summarized in the "College of Arts and Sciences" chapter of this *General Bulletin*.

Environmental Science and Policy Core Courses (sixteen hours)

GEO 1330	Environmental Science (3)
MET 1010	Introduction to the Atmosphere (3) or MET 2700 General Meteorology (3)
OCE 4008	Principles of Oceanography (3)
OCE 4017	Current Issues in Environmental Science (3) or GLY 3039 Energy, Resources, and the Environment (3)

Required Policy Courses Choose six hours from the following list:

GEO 4357	Environmental Conflict and Economic Development (3)
GEO 4372	Natural Resource Assessment and Analysis (3)
PHI 2100	Reasoning and Critical Thinking (3)
PHI 2620	Environmental Ethics (3)
PUP 3002	Introduction to Public Policy (3)
PUP 4203	Environmental Politics and Policy (3)
URP 3000	Introduction to Planning and Urban Development (3)

Environmental Science Elective Courses Choose fifteen hours from the following two lists. At least three courses must be taken from List 1.

List 1

EOC 4631	Marine Pollution (3)
OCB 4631	Estuarine and Coastal Ecology (3)
GLY 2100	Historical Geology (3)
GLY 3200C	Mineralogy and Crystallography (3)
GLY 3610C	Paleontology (4)
GLY 4544C	Sedimentation and Stratigraphy (4)
GLY 4751C	Introduction to Remote Sensing, Air Photo Interpretation and GIS for the Earth Sciences (3)
GLY 4820	Principles of Hydrology (3)
MET 2101	Physical Climatology (3) or MET 3103C Climate Change Science (3) or ISC 2003 Global Change: Its Scientific and Human Dimensions (3)
MET 3220C	Meteorological Computations (3)
MET 3300	Introduction to Atmospheric Dynamics (3)
MET 4159r	Special Topics in Meteorology (1-3)
OCC 4060	Environmental Science Modeling (3)
OCE 4930r	Studies in Oceanography (1-4) (Topics vary: Earth Systems, Marine Microbial Ecology, Marine Conservation Biology, Geomicrobiology, Environmental Science II, Habitable Planet) (consent of adviser)
OCP 4005	Introduction to Physical Oceanography (3)

Other classes are allowed as electives with department permission.

List 2

URP 3000	Introduction to Planning and Urban Development (3) If not used as a required policy class
URP 4404	River Basin Management and Planning (3)
URP 4423	Introduction to Environmental Planning and Resource Management (3)
CHM 1046	General Chemistry II (3) or BSC 2011 Biological Science II (3) If not used as a prerequisite
HFT 3700	Tourism Management and the Environment (3)
CHM 4080	Environmental Chemistry I (3)

Additional Requirements for the Bachelor of Arts Degree (nine hours)

The Bachelor of Arts degree requires nine semester hours in the fields of humanities and/or history in addition to the Liberal Studies and the foreign language requirement.

Minor. A minor is required.

Environmental Science and Policy majors must complete a minimum of twelve hours in an approved minor area. Declare your minor in the Arts and Sciences Dean's office.

Requirements for a Minor in Environmental Science and Policy

A minimum of fifteen semester hours which must include two of the following; MET 1010 (or MET 2700), GLY 2010C or OCE 4008, AND any two courses from the Environmental Science and Policy electives, AND one class from the Required Policy Courses list.

Bachelor of Science in Geology

A minimum of thirty-eight semester hours, as specified below, is required. Students should complete the prerequisite coursework for entrance to the major program of study. Students must also have completed a minimum of fifty-two hours of credit and at least half the required hours in Liberal Studies including required English and Math, or an AA degree. A student who has accumulated more than five grades below "C-" (including grades of U) in mathematics, natural science, and statistics courses taken for college credit at FSU or elsewhere, whether repeated or not, will not be allowed admission into or continuation as a geology major.

Coursework and Requirements

Please review all college-wide degree requirements summarized in the "College of Arts and Sciences" chapter of this *General Bulletin*.

Basic Geology courses (twenty eight hours)

GLY 2010C	Physical Geology (with Lab) (4)
GLY 2100	Historical Geology (3) and GLY 2100L (1)
GLY 3200C	Mineralogy and Crystallography (3)
GLY 3310C	Igneous and Metamorphic Petrology (3)
GLY 3400C	Structural Geology (4)
GLY 4544C	Sedimentation and Stratigraphy (4)
GLY 4790	Field Course (6)

Geology Elective courses (ten hours) chosen from:

GLY 3039	Energy, Resources, and the Environment (3)
GLY 3610C	Paleontology (4)
GLY 4240	Principles of Geochemistry (2)
GLY 4780	Environmental Field Problems (4)
GLY 4820	Principles of Hydrology (3)
GLY 4884	Environmental Geology I (3)
GLY 4905	Directed Individual Study (Geohazards) (3)
OCB 4631	Estuarine and Coastal Ecology (3)
OCG 4050	Geological Oceanography (3)

Additional electives can be taken from list of GLY graduate courses with instructor's permission.

Collateral Courses Twenty-three to twenty-six hours. Collateral courses may also be used to satisfy Liberal Studies, prerequisite, and/or minor requirements.

CHM 1045	General Chemistry I (3) and CHM 1045L General Chemistry I Laboratory (1)
CHM 1046	General Chemistry II (3) and CHM 1046L General Chemistry II Laboratory (1)
MAC 2311	Calculus with Analytical Geometry I (4)
MAC 2312	Calculus with Analytical Geometry II (4) or STA 2122 Introduction to Applied Statistics (3)
PHY 2048C	General Physics A (5) or PHY 2053C College Physics A (4)
PHY 2049C	General Physics B (5) or PHY 2054C College Physics B (4)

Minor The required coursework in math, chemistry, and physics will satisfy the requirement for the minor. However, a student may select other minors in consultation with an adviser.

Requirements for a Minor in Geology

A minimum of twelve semester hours of Geology (GLY) courses approved for major credit including GLY 2010C, GLY 2100, GLY 2100L AND eight hours of GLY courses at the 3000 level or above.

Bachelor of Science in Meteorology

The department offers a degree program that prepares students for a diverse number of careers, as well as graduate school. It is highly recommended that students meet regularly with their assigned academic adviser to tailor electives to the students' goals. Please review all college-wide degree requirements summarized in the "College of Arts and Sciences" chapter of this *General Bulletin*. A detailed handout for meteorology majors entitled *Undergraduate Program in Meteorology* is available at <http://www.met.fsu.edu>.

Meteorology is a quantitative science requiring extensive preparation in mathematics and physics. Freshmen entering the program are urged to take as many advanced placement (AP), the College-Level Exemption Program (CLEP), or other exemption examinations as they can in order to realize maximum flexibility.

Meteorology majors are required to complete a graduation check with the academic coordinator at least one semester prior to graduation. Graduating students also must complete a written exit survey in their final semester, and if possible, an exit interview with the departmental representative. This in-

interview will discuss information provided from the written exit survey. The College of Arts and Sciences will not approve graduation without receiving the written exit survey.

Coursework and Requirements

Required meteorology coursework. MET 2101, 2507C, 2700, 3220C, 3300, 4301, 4302, 4420, 4450, 4500C, and 4501C.

Required courses in mathematics begin with MAC 2311, which may not be taken without its prerequisite courses, MAC 1114 and MAC 1140 or 1147. The following courses, required of all meteorology majors, constitute a minor in mathematics: MAC 2311, 2312, 2313; MAP 2302 or 3305. MAP 3306 or 4341 is strongly recommended for those students wishing to attend graduate school.

All students must complete CHM 1045 and 1045L, STA 3032 or STA 4321, PHY 2048C, and PHY 2049C and are encouraged to take PHY 3101. While PHY 3101 is optional, it strengthens one's background for MET 4450 and with PHY 2048C and PHY 2049C qualifies one for a physics minor. Computer science has arranged for a special optional minor for meteorology majors. Their general minor is recommended for anyone considering additional work in computer science. See the "Computer Science" section of this *General Bulletin* for details. Students wishing to pursue a career as a meteorologist with the federal government should study <http://tinyurl.com/5nbjpp> for the Government's definition of a meteorologist to help them pick electives to maximize their opportunities.

The Bachelor of Arts (BA) degree may be obtained by completing the Bachelor of Science (BS) degree requirements plus nine additional credits in humanities and history.

Academic Performance

All 2000- and 3000-level meteorology courses must be completed with a grade of "C" (2.0) or better to continue to the 4000-level courses. All other required meteorology, mathematics, chemistry, and physics courses must be completed with a "C-" or better before taking a course for which the technical course serves as a prerequisite. Students earning less than the necessary grade in one of these courses will be required to retake the course until the required standard is met. Retaking a course often delays graduation by one year. A student who has received more than five unsatisfactory grades (U, F, D-, D, D+) in courses required for a major in meteorology (chemistry, mathematics, meteorology, physics, and/or statistics) whether taken at Florida State University or elsewhere, whether repeated or not, will not be permitted to graduate with a degree in meteorology.

A grade point average of at least 2.0 is required for all meteorology courses numbered 2000 or higher. No more than a total of three S/U-grade only MET prefix courses may be used for the total semester hour requirement for a degree in meteorology.

Undergraduate Research

All students, particularly those interested in graduate school, are encouraged to volunteer to assist with research in a faculty member's lab. This work requires a substantial time commitment and typically involves computer skills that are learned and polished through this experience. Qualified students can use this as the basis for an Honors in the Major senior thesis; for more information, see the chapter in this *General Bulletin* titled "University Honors Office and Honor Societies." Dr. Ahlquist is the "honors liaison" for meteorology. Several of our undergraduates have won the American Meteorological Society Macelwane Award for their undergraduate research, and most were not in the Honors in the Major program. In that case, they can register for MET4905 Directed Individual Study (DIS) credit for this work, but that is not required.

Requirements for a Minor in Meteorology

A minor in meteorology requires at least twelve credit hours and must be discussed on an individual basis with a meteorology faculty adviser or academic coordinator. The minor typically begins with MET 1010, MET 1010L, MET 2700, and MET 2101, and options exist for the completion of the minor. MET 2700 has prerequisites of CHM 1045, CHM 1045L, and MAC 2311; and a corequisite of PHY 2048C. Additional information is available from the academic coordinator in the Department of Meteorology, 404 Love Building. In no case may more than three semester hours in S/U courses apply toward a minor in meteorology.

Definition of Prefixes

EOC—Oceanography/Ocean Engineering

ESC—Earth Science

GLY—Geology

ISC—Interdisciplinary Sciences

MAP—Mathematics Applied

MET—Meteorology

OCB—Biological Oceanography

OCC—Chemical Oceanography

OCE—General Oceanography

OCG—Geological Oceanography

OCP—Physical Oceanography

PEN—Physical Education Activities (General): Water, Snow, Ice

SCE—Science Education

Undergraduate Courses

Earth Science

ESC 2200C. Earth Science for EC/EE Teachers (4).

ISC 2937r. Natural Science Honors Seminar (3).

SCE 4939r. Seminar in Contemporary Science, Mathematics, and Science Education (1).

Note: For complete descriptions of the above courses, see listings within the appropriate departmental chapters of this *General Bulletin*.

GLY 1000. Dynamic Earth (3). This course is an introduction to geology as the study of planet Earth, its internal dynamics, and its surficial weathering, erosion, and sedimentary processes. Course credit may not be received for this course and also GLY 1030 or 2010C.

GLY 1000L. Dynamic Earth Laboratory (1). Prerequisite or corequisite: GLY 1000 or GLY 1030. This is a laboratory study of minerals, rocks, maps.

GLY 1030. Environmental Issues in Geology (3). This course examines environmental issues as they relate to geological phenomena, which include volcanic and earthquake hazards, resource and land-use planning, air and water pollution, waste disposal, glaciation and sea-level change, landslides, flooding, shoreline erosion, and global change issues. Course credit may not be received for this course and also GLY 1000 or 2010C. Credit can be received for taking GLY 1000L.

GLY 1042. Planetary Geology (3). This course is an introduction to the basic geological processes that apply to the planets and moons of the solar system. Observational evidence from spacecraft and earth-based sensors of the surfaces, dynamics, structures, and geologic evolution. The Earth-moon system is presented as a basis for comparison.

GLY 1070. Living on the Water Planet (3). This course provides students with an overview of the basic physics and chemistry of water and the processes that control water supply to natural ecosystems and to human civilization. It covers the hydrologic cycle, floods, drought, groundwater, patterns of water use, threats to water quality, the effects of global climate change on future water supplies, and water issues facing the state of Florida.

GLY 1102. Dinosaurs and Disasters on an Evolving Earth (3). This course examines the history of Earth and its organisms as recorded in the fossil and rock record; principles of geological and paleontological research; evolution of the dinosaurs, mass extinctions, and effects of past continental movements on the diversity of life. Course credit may not be received for this course and also GLY 2100. GLY 2100L recommended.

GLY 2100C. Physical Geology (4). This course is an introduction to surficial and internal processes affecting a dynamic planet Earth. For majors in geology and natural sciences. Two hour laboratory required. Course credit may not be received for this course and also GLY 1000 or GLY 1030.

GLY 2100. Historical Geology (3). This course examines the history of Earth and is an introduction to the fossil record. Course credit may not be received for this course and also GLY 1102.

GLY 2100L. Historical Geology Laboratory (1). Prerequisite or corequisite: GLY 1102 or GLY 2100. This laboratory is a study of the physical and biological evidence for the known history of the Earth.

GLY 3039. Energy, Resources, and the Environment (3). Prerequisites: GLY 1000, 2010, or instructor permission. This course examines the origin of our energy and mineral resources (e.g., fossil fuels, uranium, hydrogen), their global supply, and the environmental impacts of extracting and utilizing these resources. Emphasis is placed on the chemical nature of the resources and the impact on the chemical composition of the ocean/atmosphere and the global heat budget. Field trips, in-class demonstrations, and homework exercises provide firsthand experience.

GLY 3200C. Mineralogy and Crystallography (3). Prerequisite or corequisite: CHM 1045 and GLY 2010C. This course is an introduction to mineralogy, crystal chemistry, and crystallography. Three hour laboratory required.

GLY 3220C. Optical Mineralogy (2). Corequisite: GLY 3200C. This course explores the optical properties of crystals and mineral identification by use of the polarizing microscope. Three hour laboratory required.

GLY 3310C. Igneous and Metamorphic Petrology (3). Prerequisite: GLY 3220C. This course focuses on the classification, description, and origin of igneous and metamorphic rocks; relation of these rocks to tectonic processes. Three hour laboratory required.

GLY 3340C. Sedimentary Petrography (2). Prerequisite: GLY 3220C. This course is a survey of sedimentary rock types, principles of description and classification, sediment genesis and transport, distribution and origin of sedimentary deposits.

GLY 3400C. Structural Geology (4). Prerequisites: GLY 2100, GLY 2100L, and GLY 3200C. This course focuses on the theory, processes, mechanics of rock deformation and the deformation of Earth's crust. Field trip is required.

GLY 3610C. Paleontology (4). Prerequisites: GLY 2100, 2100L. This course is a review of invertebrate biology, with emphasis on hard-part nomenclature; the occurrence, distribution, evolution, and ecology of fossil invertebrates.

GLY 4240. Principles of Geochemistry (2). Prerequisites: GLY 2010C and basic chemistry. This course focuses on the crystal chemistry of silicates and other minerals; chemical principles applied to igneous, metamorphic, and sedimentary environments and processes; chemistry of natural aqueous systems; chemical equilibria of geologic systems.

GLY 4451. Introduction to Geophysics (3). Prerequisites: MAP 2302 and PHY 2049 or instructor permission. This course explores plate tectonics and earth structure. Current methods of probing the interior: seismology and seismic tomography, geomagnetics, geoid and gravity, geochemistry and geochronology, heat flow, mantle convection, core convection and the geodynamo.

GLY 4511. Principles of Stratigraphy (3). Prerequisite: GLY 3340C. This course is an analysis and synthesis of stratigraphic sequences. Depositional systems; physical and biostratigraphy; geochronology and chronostratigraphy; magnetic, seismic, and sequence stratigraphy; tectonic vs. climatic controls. Term paper required.

GLY 4544C. Sedimentation and Stratigraphy (4). Prerequisite: GLY 2010C. This course surveys sedimentary rock types, principles of description and classification, sediment genesis and origin of sedimentary deposits, analysis and synthesis of stratigraphic sequences. Topics include: depositional systems; physical and biostratigraphy; geochronology and chronostratigraphy; magnetic, seismic, and sequence stratigraphy; and tectonic vs. climatic controls. Term paper required.

GLY 4551. Sedimentology (2). Prerequisite: GLY 3200C. This course is a study of modern and ancient sedimentary deposits, measurement of sediment parameters, analysis of sediment transport modes, classification of sediments and sedimentary rocks, statistical reduction of sedimentologic data. Field trip required. Students concentrating in sedimentary geology are strongly urged to take the laboratory GLY 4551L concurrently.

GLY 4551L. Laboratory Methods in Sedimentology (1). This laboratory focuses on standard sedimentologic methods, including textural analysis, heavy mineral separation and identification, carbonate staining, X-ray diffractometry, and statistical reduction of sedimentologic data. May be taken separately, but students concentrating in sedimentary geology should take GLY 4551L concurrently with 4551.

GLY 4700C. Geomorphology (3). Prerequisite: Senior standing. This course is an introduction to the description of landforms and landscapes on Earth's surface. Emphasis is placed on the basic mechanisms that govern landform evolution, and on the history of geomorphic study. Several field trips are required.

GLY 4730. Marine Geology (3). This course examines shoreline, shelf and deep ocean processes; marine sediment types and sedimentary environments; plate tectonics; origin of the ocean; paleoceanography; marine mineral resources. Includes research methods cruise for familiarization with marine geologic sampling and sensing devices. Credit received for GLY 4730 precludes credit being received for GLY 5736 or OCG 5050.

GLY 4750. Geological Field Methods (1). (S/U grade only.) Corequisite: GLY 3400C. This course provides a working knowledge and some experience of techniques, procedures, and tools that are essential to geological field research, the professional geologist, and the required summer field course.

GLY 4751C. Introduction to Remote Sensing, Air Photo Interpretation and GIS for the Earth Sciences (3). Prerequisites: GLY 3400C and PHY 2049. This course is an introduction to the study of the earth using photographic and electronic imaging acquired from aircraft and satellites; physics of the interaction between electromagnetic radiation and materials of Earth's surface and hydrosphere; principles of electronic and microwave imaging; and use of digital image analysis and GIS in the study of earth resources and global change.

GLY 4780. Environmental Field Problems (4). Prerequisite: GLY 2010C. This course emphasizes the use of field-related observations in the study of environmental problems. Fieldwork includes the study of soils, surface waters and groundwater, erosion and mass wasting, and the chemical contamination of soils and surface waters. Evaluation of student performance in the course is based upon a series of written reports.

GLY 4790. Field Course (6). Prerequisites: GLY 3400C and GLY 4750. This course is a series of field problems based largely on exposures of strata and structures. Preparation of geologic maps, sections, and reports. Six weeks in May and June.

GLY 4812C. Ore Deposits (3). Prerequisites: GLY 3310C and GLY 3400C. This course is an introduction to the study of metallic ore deposits. Laboratory studies of ores using the reflected light microscope and economic evaluation of ore deposits.

GLY 4820. Principles of Hydrology (3). Prerequisites: CHM 1046 and PHY 2049C. This course focuses on the fundamentals of hydrogeology with an emphasis on groundwater flow and hydrochemistry. Both theory and applications are addressed.

GLY 4884. Environmental Geology I (3). This course examines the application of geologic and geochemical principles to environmental issues. Topics include: an evaluation of contaminants in surface water and ground water; hydrocarbon geochemistry and petroleum storage tank problems; waste management, including solid, toxic, and nuclear waste; air quality issues including radon and asbestos; geologic hazards in upland and coastal areas; environmental geologic methods and instrumentation; quality assurance and quality control in environmental analysis; principles of toxicology; risk assessment and risk management; and environmental assessments.

GLY 4905r. Directed Individual Study (3). May be repeated to a maximum of nine semester hours.

GLY 4915r. Undergraduate Research (2-8). (S/U grade only.) This course includes projects in geological science arranged in advance between the student and a member of the teaching faculty of the department. May not be used to fulfill senior elective requirement. May be repeated to a maximum of eight semester hours.

GLY 4917. Senior Thesis (1). (S/U grade only.) Prerequisite: GLY 4915r. This course consists of a written report and an oral presentation discussing research work done under GLY 4915r. The grade is assigned by a committee of three faculty members.

GLY 4989r. Honors Work (1-6). May be repeated to a maximum of nine semester hours.

Ocean Science

EOC 4631. Marine Pollution (3). Prerequisite: Understanding of chemical processes. This course introduces students to chemical, physical, and biological aspects of dominant marine pollutants, including dissolved toxic metals, complex organic and inorganic contaminants, and particulate pollutants. Topics cover the sources and types of dominant contaminants, their key characteristics, their pathways (as traced through the marine ecosystem from the source to the sinks), their impact on the environment, as well as approaches that could lead to the reduction or elimination of pollutants in the marine environment.

ESC 2200C. Earth Science for EC/EE Teachers (4).

ISC 2003. Global Change, Its Scientific and Human Dimensions (3). Prerequisites: Two years high school science and two years high school math. This course covers global environmental change, scientific and human dimensions, and international public policy implications.

OCB 2302. Biology of Marine Animals (3). Prerequisite: BSC 1005. This course explores marine mammals such as cetaceans, pinnipeds, sirenians, and sea otters from the point of view of their biology and ecology. More specifically, the course offers an overview of the evolution, taxonomy, anatomy, and physiology of marine mammals, as well as an in-depth examination of their acoustics, ecology, and behavior. Course lecture is accompanied by discussions of the current specific literature.

OCB 4631. Estuarine and Coastal Ecology (3). Prerequisite: Understanding of chemical processes. This interdisciplinary course addresses the ecology of estuaries and the part of the inshore waters with which estuaries interact directly. The lectures address the general ecological principles that govern the productivity and diversity of estuaries, including their hydrodynamics, sedimentology, chemistry, as well as plant and animal community structure. Key species of estuarine systems are introduced and cycles of carbon and nutrients are explained.

OCB 4637. Marine Benthic Ecology (3). Prerequisite and Corequisite: ZOO 4203C or instructor permission. This course studies the physical setting and ecological organization of the communities found in the rocky intertidal, in the fouling habitat, on sandy beaches, in subtidal soft bottoms, and in the deep sea. This is presented through lectures, substantial reading, and class discussions.

OCB 4002. Basic Chemical Oceanography (3). Prerequisite: CHM 1046. This course focuses on the chemical composition of seawater, carbon dioxide system, nutrients, trace elements, and biogeochemistry.

OCB 4060. Environmental Science Modeling (3). Prerequisites: MAC 2311, MAC 2312, and either STA 2122 or STA 4102. This course gives students an understanding of explanatory and predictive models of the earth's systems and environmental processes therein. Analytical and numerical methods for solving equations are examined and applied. Discussions cover relevant scientific issues, mathematical and computational procedures, visualization techniques, as well as the use of models in research and decision making.

OCE 1001. Elementary Oceanography (3). Prerequisite: MGF 1106 or MGF 1107. This course studies the structure and motion of the ocean and its environs, properties, populations, and energy budget. Not intended for upper-division science or mathematics majors. Upper-division science or mathematics majors are encouraged instead to take OCE 4008.

OCE 3555. Environmental Science II: Habitable Planet (3). This course explores the Earth system at and above the surface of the Earth. It combines Earth and biological sciences to explore the co-evolution of the Earth and life over geological time. Evolution of the hydrosphere, atmosphere, and lithosphere are discussed.

OCE 4008. Principles of Oceanography (3). Prerequisite: A science major or minor status and junior or senior standing. This course focuses on dynamic motions and life processes in the marine environment. Long-term geologic history of the oceans and recent changes caused by man. An overview of oceanography for upper-division students majoring in science, mathematics, or science teaching.

OCE 4017. Current Issues in Environmental Science (3). This course is taught at an introductory level and includes discussions of current ground-breaking research, environmental problems, and approaches to solving them. It consists of presentations by experts on their current research topics or environmental issues.

OCE 4905r. Directed Individual Study (1-3). (S/U grade only.) May be repeated to a maximum of ten semester hours.

OCE 4906r. Directed Individual Study (1-4). Prerequisite: Instructor permission. May be repeated, subject to limitations that may apply from the individual student's major departments, to a maximum of eighteen semester hours.

OCE 4930r. Studies in Oceanography (1-4). Prerequisite: Instructor permission. Topics vary. May be repeated to a maximum of nine semester hours when content changes.

OCG 3103. The Earth System (3). This course is an examination of the modern approach to understanding Earth's climate history and climate change on a global scale.

OCG 4050. Geological Oceanography (3). This course studies the structural and oceanographic setting of continents and ocean basins, plate tectonics, ocean margins, marine sediments, and ocean history.

OCP 4005. Introduction to Physical Oceanography (3). Prerequisite: MAC 2313. This course examines waves, currents, tides, El Niño, and climate change prediction.

PEN 1136. Theory and Practice of Compressed-Gas Diving (1). This course is an introduction to the field of compressed-gas diving that exposes students to the use of underwater technology and techniques in support of science.

Atmospheric Science

ESC 2200C. Earth Science for EC/EE Teachers (4).

ISC 3076. Science, Technology, and Society (3).

MET 1010. Introduction to the Atmosphere (3). This course covers the structure of the atmosphere; weather processes and weather systems, including climatic processes. Credit may not be received in this course if student has already received credit in 2000-level or higher MET courses.

MET 1010L. Introductory Meteorology Laboratory (1). Prerequisites: MAC 1105 or equivalent and college-level algebra. Corequisite: MET 1010. This course covers data analysis, instruments, and weather system models. Two hours per week.

SCE 4835C. Teaching Earth and Space Science (3).

SCE 4939R. Seminar in Contemporary Science, Mathematics, and Science Education (1).

Note: For descriptions of the courses listed above, see interdisciplinary science courses listed in the appropriate departmental chapters of this *General Bulletin*.

Required Courses for Meteorology Majors

MET 2101. Physical Climatology (3). Corequisite: MET 2700. This course covers global distribution of principal climatic elements with emphasis on physical causes. Statistical analysis of distributions of climatological variables.

MET 2507C. Weather Analysis and Forecasting (2). Prerequisite: MET 2700 with a grade of "C" or better. This course is an introduction to meteorological observations, data, codes, and scalar analysis practices. Weather applications software systems and computing environments for meteorological analysis and weather forecasting techniques are examined.

MET 2700. General Meteorology (3). Prerequisites: CHM 1045 and MAC 2311, both with a grade of "C-" or better. Corequisite: PHY 2048C. This course covers atmospheric structure and composition; weather and circulation systems; physics of atmospheric processes, including thermodynamics of dry and moist air.

MET 3220C. Meteorological Computations (3). Prerequisites: MAC 2312 ("C-" or better), MET 2101 ("C" or better), and MET 2700 ("C" or better). This course covers the solution of meteorological problems using computer and statistical programs; distributions of meteorological variables; meteorological programming.

MET 3300. Introduction to Atmospheric Dynamics (3). Prerequisites: MAC 2312 ("C-" or better), PHY 2048C ("C-" or better), and MET 2700 ("C" or better). This course examines a variety of topics, including equations of motion, mass conservation, thermodynamics, vorticity, and geostrophic, gradient and thermal winds.

MET 4301. Atmospheric Dynamics I (4). Prerequisite: MET 3300 with a grade of "C" or better. Corequisites: MAP 2302 or MAP 3305 and MET 4420. This course covers acceleration in rotating curvilinear coordinates; momentum, continuity, and energy equations; geostrophic, gradient, and thermal winds; generalized coordinates; circulation and vorticity theorems; scale analysis; Reynolds stresses; Prandtl and Ekman layers; developing baroclinic systems.

MET 4302. Atmospheric Dynamics II (4). Prerequisites: MET 4301 ("C-" or better), MAP 2302 or MAP 3305 ("C-" or better). This course covers linear perturbation theory; sound, gravity, and Rossby waves; numerical weather prediction; baroclinic and barotropic instability; energetics. An introduction to theory of partial differential equations applied to meteorological problems also is presented.

MET 4420. Atmospheric Physics I (3). Prerequisites: PHY 2048C ("C-" or better), PHY 2049C ("C-" or better), MET 2700 ("C" or better), and MAC 2313 ("C-" or better). This course covers classical equilibrium thermodynamics; first and second law, entropy, phase changes, potentials. Physics of moist air; physics of aerosols; condensation of water vapor on aerosols. Microphysics and dynamics of clouds; growth of ice crystals.

MET 4450. Atmospheric Physics II (3). Prerequisite: MET 4420 with a grade of "C-" or better. This course covers radiative processes in the atmosphere; radiative transfer equation, absorption by gases, Rayleigh scattering. Remote sensing using radars and satellites.

MET 4500C. Synoptic Lecture-Laboratory I: Basic Analysis Techniques (3). Prerequisites: MET 2507C ("C" or better), MET 3300 ("C" or better), or instructor permission. Corequisites: MET 4301 or MET 5311, MET 4420, and CGS 3460 or another programming language. This course covers the analysis of scalar and vector fields, introduction to the three-dimensional structure of atmospheric systems, and thermodynamic diagrams.

MET 4501C. Synoptic Lecture-Laboratory II: Four-Dimensional Structure (4). Prerequisites: MET 4301 or MET 5311, MET 4420, MET 4500C, and STA 3032 or STA 4321 with a grade of "C-" or better in each. This course covers synoptic calculation and four-dimensional analysis of weather systems.

Required Courses for FSU-Teach Applied Geosciences

ISC 3523C. Research Methods (3). Prerequisites: SMT 1043 and SMT 1053. This course covers research methods for prospective science teachers. Required for the FSU-Teach program, this course prepares students to use the tools that scientists use to solve scientific problems, and to develop insight into the processes involved in scientific discovery.

MET 3103C. Climate Change Science (3). Prerequisite: MET 2700 with a grade "C" or better. This course enables students to explore the science behind our understanding of climate change. The course provides an in-depth exploration of the use of proxy, in situ, remote-sensing data, climate models, and their public policy implications. Students gain experience in evaluating internal and external forcings on the climate system and make quantitative assessments of change. The course also gives students an understanding of energy transfer methods between the atmosphere, cryosphere, oceans, and fresh water systems.

Elective Courses for Meteorology Majors

MET 3520r. Current Weather Discussion (1). (S/U grade only.) Prerequisite: MET 2700. This course includes discussion of facsimile analysis and prediction materials. Three meetings per week. May be repeated to a maximum of four semester hours.

MET 3940r. Weathercasting (1). (S/U grade only.) Prerequisite: MET 1010. Corequisite: MET 2700. This course includes practice in preparing and presenting weathercasts for radio and television. May be repeated to a maximum of four semester hours.

MET 3949r. Cooperative Education Work Experience (0). (S/U grade only.) Prerequisite: Instructor permission. This non-credit, experiential learning course offers students an opportunity to gain "real world" on-the-job work experience related to a specific academic field of study. Students must register for this course through the FSU Career Center.

MET 4159r. Selected Topics in Meteorology (1-3). Prerequisite: MET 2700 with a grade of "C" or better. Corequisites: MET 2101, MET 3300, instructor permission. This course covers selected topics in meteorology and climatology not covered in other courses. May be repeated for different material to a maximum of twelve semester hours.

MET 4400C. Meteorological Instrumentation and Observations (3). Prerequisites: PHY 2048C and MET 2700, both with a grade of "C" or better. This course covers theory and practice of calibration and operation of basic sensors, measurement of temperature, heat flow, fluid flow, pressure, and moisture. Two hours lecture, three hours laboratory.

MET 4450. Atmospheric Physics II (3). Prerequisite: MET 4420. This course covers microphysics and dynamics of clouds; growth of ice crystals. Radiative processes in the atmosphere; radiative transfer equation, absorption by gases, Rayleigh scattering. Remote sensing using radars and satellites.

MET 4705. Operational Meteorology (2). Prerequisite: MET 4500C. This course introduces observational analysis products used in operational weather forecast offices. Topics include applications of radar and satellite data, the various applications of numerical weather prediction, and types of weather forecasts.

MET 4900r. Honors Work (1-6). May be repeated to a maximum of nine semester hours.

MET 4905r. Directed Individual Study (1-3). May be repeated to a maximum of nine semester hours.

MET 4945r. Meteorology Internship (1-9). (S/U grade only.) Prerequisite: Instructor permission. This course is a supervised internship individually assigned to accommodate student's background and objectives. Credit proportional to scope and significance of work. May be repeated to a maximum of nine semester hours.

Graduate Courses

Geology

ESC 5211r. Current Topics in Earth Science (3).

ESC 5215r. Current Topics in Earth Science (3).

GLY 5135. Quaternary Geology (3).

GLY 5265. Nuclear Geology (3).

GLY 5267. Stable Isotopic Tracers in the Environment (3).

GLY 5297r. Advanced Topics in Geochemistry (1-3).

GLY 5395r. Advanced Topics in Petrology (1-3).

GLY 5425. Tectonics (3).

GLY 5455. Introduction to Geophysics (3).

GLY 5465. Geomechanics (3).

GLY 5495. Advanced Topics in Geophysics (3).

GLY 5497r. Advanced Topics in Structural Geology (1-3).

GLY 5516. Stratigraphy and Sequence Analysis (3).

GLY 5556. Hydrodynamics (3).

GLY 5573. Fluvial Processes (3).

GLY 5575. Coastal Geology (3).

GLY 5577. Sedimentary Basin Analysis (3).

GLY 5595r. Advanced Topics in Sedimentation and Stratigraphy (1-3).

GLY 5624C. Introduction to Micropaleontology (3).

GLY 5625C. Advanced Micropaleontology (3).

GLY 5695r. Advanced Topics in Paleontology (1-3).

GLY 5696Cr. Mesozoic Planktonic Calcareous Nannofossils (4-8).

GLY 5697Cr. Cenozoic Planktonic Calcereous Nannofossils (4-8).

GLY 5736. Marine Geology (3).

GLY 5757C. Fundamentals of Remote Sensing, Air Photo Interpretation and GIS for the Earth Sciences (4).

GLY 5825. Physical Hydrology (3).

GLY 5826. Numerical Modeling of Groundwater Flow (3).

GLY 5827. Principles of Hydrology (3).

GLY 5885. Geologic Hazards Assessment (3).

GLY 5887. Environmental Geology I (3).

GLY 5896r. Advanced Topics in Hydrology (1-3).

GLY 5906r. Directed Individual Study (3). (S/U grade only.)

GLY 5910r. Supervised Research (1-5). (S/U grade only.)

GLY 5931r. Graduate Seminar (1). (S/U grade only.)

GLY 5940r. Supervised Teaching (1–5). (S/U grade only.)

GLY 6982r. Doctoral Seminar (1). (S/U grade only.)

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Oceanography

Core Curriculum

OCB 5050. Basic Biological Oceanography (3).

OCC 5050. Basic Chemical Oceanography (3).

OCG 5051. Basic Geological Oceanography (3).

OCP 5050. Basic Physical Oceanography (3).

Biological Oceanography

OCB 5015. Marine Nekton: Larval Fish to Whales (3).

OCB 5264. Selected Topics in Coral Reef Ecology (3).

OCB 5565. Marine Primary Production (3).

OCB 5600. Biological Fluid Dynamics (3). (S/U grade only.)

OCB 5635. Selected Topics in Coastal Ecology (3).

OCB 5636. Marine Microbial Ecology (3).

OCB 5639. Marine Benthic Ecology (3).

Chemical and Geological Oceanography

OCC 5052. Aquatic Chemistry (3).

OCC 5062. Marine Isotopic Chemistry (3).

OCC 5415. Marine Geochemistry (3).

OCC 5417. Geochemical Ocean Tracers (3).

OCC 5554. Atmospheric Chemistry (3).

OCG 5457. Stable Isotopes as Tracers in Aquatic Ecosystems (3).

OCG 5664. Paleoceanography (3).

Physical Oceanography

MAP 5431. Introduction to Fluid Dynamics (3).

MAP 6434r. Advanced Topics in Hydrodynamics (2).

OCP 5056. Introduction to Physical Oceanography (3).

OCP 5160. Ocean Waves (3).

OCP 5256. Fluid Dynamics: Geophysical Applications (3).

OCP 5263. Equatorial Dynamics (3).

OCP 5265. Main Ocean Thermocline (3).

OCP 5271. Turbulence (3).

OCP 5285. Dynamic Oceanography (3).

OCP 5551. Physics of the Air-Sea Boundary Layer (3).

Specialized Instruction and Seminar

OCB 5930r. Special Topics in Biological Oceanography (1–3).

OCB 5939r. Biological Oceanography Seminar (1). (S/U grade only.)

OCC 5419C. Advanced Biogeochemistry: Field Methods and Concepts (3).

OCC 5930r. Special Topics in Chemical Oceanography (1–3).

OCC 5939r. Chemical Oceanography Seminar (1). (S/U grade only.)

OCE 50009L. Coastal Oceanography and Marine Field Methods (4).

OCE 5908r. Directed Individual Study (1–12). (S/U grade only.)

OCE 5910r. Supervised Research (1–5). (S/U grade only.)

OCE 5940r. Supervised Teaching (1–5). (S/U grade only.)

OCP 5930r. Special Topics in Physical Oceanography (1–3).

OCP 5939r. Physical Oceanography Seminar (1). (S/U grade only.)

General

OCE 5009. Advanced General Oceanography (3).

OCE 5018. Current Issues in Environmental Science (3).

OCE 5554. Habitable Planet (3).

OCG 5106. The Earth System (3).

Meteorology

Dynamical Meteorology

MAP 5431. Introduction to Fluid Dynamics (3).

MAP 6434r. Advanced Topics in Hydrodynamics (3).

MET 5311. Advanced Dynamic Meteorology I (3).

MET 5312. Advanced Dynamic Meteorology II (3).

MET 5340r. Large-Scale Atmospheric Circulations (3).

MET 5406. Satellite Observations and Their Applications in Numerical Weather Prediction (3).

MET 5541r. Dynamical Weather Prediction (3).

MET 6308r. Advanced Topics in Dynamical Meteorology (3).

OCP 5256. Fluid Dynamics: Geophysical Applications (3).

Physical Meteorology

MET 5403C. Meteorological Instruments and Observations (3).

MET 5407. Fundamentals of Atmospheric Data Assimilation (3).

MET 5411. Radar Meteorology (3).

MET 5421. Radiative Transfer (3).

MET 5425. Advanced Atmospheric Physics I (3).

MET 5451. Advanced Physical Meteorology II (3).

MET 5455. Cloud Physics (3).

MET 5471. Planetary Atmospheres (3).

MET 6480r. Advanced Topics in Physical Meteorology (3).

Synoptic Meteorology

MET 5505C. Advanced Synoptic Lecture Laboratory I (3).

MET 5506C. Advanced Synoptic Lecture Laboratory II (4).

MET 5510C. Midlatitude Synoptic Scale Systems (4).

MET 5511C. Meso-Meteorology Lecture Laboratory (4).

MET 5533. Tropical Meteorology I (3).

MET 5534. Tropical Meteorology II (3).

MET 6561r. Advanced Topics in Synoptic Meteorology (3).

Climatology

MET 5105. Global Climate System (3).

MET 5135. Dynamic Climatology (3).

MET 6155r. Advanced Topics in Climatology (1–3).

Other Courses

MET 5090r. Applied Time Series Analysis (3).

MET 5905r. Directed Individual Study (1–3). (S/U grade only.)

MET 5906r. Directed Individual Study (1–3).

MET 5910r. Supervised Research (1–5). (S/U grade only.)

MET 5920r. Colloquium: Topics in Meteorology Research (1). (S/U grade only.)

MET 5930. Master's Seminar (2).

MET 5979r. Supervised Teaching (1–5). (S/U grade only.)

MET 6906r. Directed Individual Study (1–3). (S/U grade only.)

MET 6930r. Doctoral Seminar (1).

OCP 5271. Turbulence (3).

OCP 5551. Physics of the Air-Sea Boundary Layer (3).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Graduate Study

The department offers courses leading to the Master of Science in Oceanography and in Meteorology, a non-thesis Master's in Aquatic Environmental Sciences, and Doctor of Philosophy in Oceanography and in Meteorology. Consult the Graduate Bulletin or <http://www.eoas.fsu.edu> for details.

The Department of Oceanography offers courses leading to the certificate in oceanography, the non-thesis master's in aquatic environmental science, the research-based Master of Science in oceanography, and the Doctor of Philosophy in oceanography. Consult the *Graduate Bulletin* or <http://www.ocean.fsu.edu> for details.

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

EARLY CHILDHOOD EDUCATION:
see Childhood Education, Reading, and Disability Services

ECOLOGY:
see Biological Science

DeVoe L. Moore and Family Center for the Study of Critical Issues In ECONOMIC POLICY AND GOVERNMENT

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY

Web Page: <http://www.coss.fsu.edu/dmc/>

Director: Keith R. Ihlanfeldt; **Associate Director:** Sam Staley; **Professors:** Barrilleaux, Benson, Chapin, Feiock, Gwartney, Holcombe, Rasmussen

The DeVoe L. Moore and Family Center supports research about the role of government in a market economy, with a special emphasis on state and local regulation. As an interdisciplinary unit in the College of Social Sciences and Public Policy, the faculty associated with the center have well-established scholarly reputations in the study of public policy. The faculty and center affiliates regularly teach graduate and undergraduate policy-related courses in the departments of economics and political science and in the Askew School of Public Administration and Policy. In addition to teaching responsibilities, the faculty conduct advanced scholarly research in government, economics, and public affairs.

The center produces publications designed to inform citizens and policy makers how government rules, regulations, and programs affect the economy and individuals. The center also sponsors annual conferences that bring national leaders and scholars to the University to discuss policy questions.

Department of ECONOMICS

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY

Web Page: <http://www.coss.fsu.edu/economics/>

Chair: R. Mark Isaac; **Professors:** Benson, Cooper, Fournier, Gwartney, R. Holcombe, Ihlanfeldt, Isaac, Marquis, Mason, S. Norrbin, Rasmussen, Schlagenhauf, Schmettmann; **Associate Professors:** Atolia, Beaumont, Pevnitskaya, Ryvkin, Semykina, Zuehlke; **Assistant Professors:** Cano Urbina, Goerg, Hamman, Ku, Lightle, Qi; **Courtesy and Adjunct Professors:** DuMond, Evans, Falaschetti, Großer, Mullin, Stratis; **Professors Emeriti:** Canterbury, Cobbe, Downing, Laird, Macesich, Rockwood; **Lecturers:** Calhoun, Corey, L. Holcombe, McCaleb, O. Norrbin, Showman

The Department of Economics offers an excellent curriculum that is as diversified as the discipline itself. The program strives to make undergraduates aware of the critical issues in economic science and policy, to provide them with a basic understanding of the tools needed to analyze those issues, and to prepare them for academic or professional opportunities beyond the baccalaureate degree. The economics degree offers two undergraduate majors—the traditional “economics” major and an “applied economics” major.

The Department of Economics cooperates in the following interdivisional programs: international affairs, interdisciplinary program in social science, Asian studies, Russian and East European studies, African-American studies, demography, financial mathematics, public health, social science education, and economic policy and government.

The department’s home page is <http://www.coss.fsu.edu/economics>.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in economics satisfy this requirement by earning a grade of “C–” or higher in ECO 4421. Undergraduate majors in applied economics satisfy this requirement by earning a grade of “C–” or higher in ECO 4431.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.ftvc.org/ftvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

Economics—Social Sciences

1. ECO X013 and ECO X023, or ECO XXXX and ECO XXXX: two economics courses for three credit hours each

Requirements

Admission

Admission to the undergraduate program is based upon the availability of faculty and space and upon academic performance. Students with fifty-two or more **acceptable** semester hours, both ECO 2013 and 2023 completed with a grade of “C” (2.0) or better, an overall GPA of 2.5 or better on all attempted coursework at the college level, and in good standing with the University will receive priority consideration but are not guaranteed admission to the program. All students must meet “mapping” requirements to be admitted to the upper-division major. Consult <http://www.academic-guide.fsu.edu> for more information.

Majors

Majors in economics or applied economics must take at least six semester hours of economics each term until the requirements for the major have been completed. Majors must also complete two of the three required core courses for their major by the end of the second term in the major, and the third core course must be completed by the end of the third term as a major. Failure to

meet either of these conditions may result in students being dropped from the economics program, in which case such students will have to be accepted in another major before they can register again for classes.

Students must maintain an overall average grade of “C” in economics and supporting courses. Majors will not receive credit toward the major requirements for economics courses in which a grade of less than “C–” has been earned. A minimum of fifteen semester hours in economics must be taken at Florida State University. Transfer credit intended to satisfy major requirements is subject to the approval of the Undergraduate Director for Economics.

A student majoring in economics or applied economics must complete the minor requirements specified by a supporting academic department. The selection of a supporting department is subject to approval of the undergraduate director. Minors currently pre-approved include business, mathematics, statistics, computer science, history, psychology, and any of the minors available in the college of Social Sciences. Students in the applied major may complete a minor in business with only an additional six semester hours of College of Business courses.

In accordance with University mapping milestones, undergraduate students who intend to major in economics should take ECO 2013, 2023, and the supporting courses in mathematics and statistics before completing liberal studies. The principles courses (ECO 2013, 2023) may be taken in either order. The department allows students to take the courses in the same semester, but neither recommends nor encourages it.

Major in Economics

Beyond ECO 2013 and ECO 2023, the economics major requires ECO 4101, 4203, 4421, and an additional fifteen semester hours of upper-division economics electives, including six semester hours in one economics specialty area. See the department’s Web site for a list of specialty areas and classes within those specialty areas. Majors must complete the supporting courses: STA 2023, 2122 or 4321 (choose one); and MAC 1105, 1140, 2233 or 2311 (choose one). Pre-calculus algebra (MAC 1140) is recommended, and calculus is recommended for students contemplating graduate study in economics. A total of three economics internship hours may count toward elective requirements for the economics major.

Major in Applied Economics

In addition to ECO 2013 and ECO 2023, the major in applied economics requires ECO 3104, 3223, and 4431; twelve additional semester hours of upper division economics courses; and the supporting courses ACG 2021; ACG 2071 or FIN 3403; MAC 1105, 1140, 2233, or 2311 (choose one); and STA 2023, 2122 or 4321 (choose one). Pre-calculus algebra (MAC 1140) is recommended. Students in applied economics are encouraged to earn three to six semester hours of credit through the department’s internship program, which requires registration in ECO 4941. Approval of the internship by the Undergraduate Director must be obtained before a student accepts the internship placement and enrolls in the courses. A total of three economics internship hours may count toward elective requirements for the applied economics major. A total of six economics internship hours may count toward the 120 hours required for the undergraduate degree.

Degrees

Majors in economics may be awarded either the Bachelor of Science (BS) or the Bachelor of Arts (BA) degree upon completion of all University requirements for those degrees.

Honors in the Major

Honors-only sections of ECO 2013 and ECO 2023 are offered each Fall and Spring for lower-division Honors students. The Department of Economics offers honors in the major to encourage talented juniors and seniors to undertake independent and original research as part of the undergraduate experience. For requirements and other information, see the “University Honors Office and Honor Societies” chapter of this *General Bulletin*.

Minor in Economics

A minor requires fifteen semester hours in departmental courses, including ECO 2013 and 2023, each with a grade of “C” or better and at least one course selected from ECO 3104, 3223, 4101, 4203, 4421, or 4431. Students will not receive credit toward the minor for courses in which a grade less than “C–” has been earned.

Economics minors must have at least a “C” (2.0) grade point average in their economics coursework. ECO 2000 will not count toward the minor. No more than six semester hours of transfer credit will be accepted toward the minor.

Definition of Prefixes

ECO—Economics

ECP—Economic Problems and Policy

ECS—Economic Systems and Development

Undergraduate Courses

ECO 2000. Introduction to Economics (3). This course is a survey of the discipline for people taking only one economics course. Historical perspective and major principles of theory are presented. Not to be taken by students who have had or who must take ECO 2013 and 2023. Not applicable to the economics major nor the economics minor.

ECO 2013. Principles of Macroeconomics (3). This course explores aggregate economics and national income determination, money and monetary theory, present macroeconomic conditions, and aggregative policy alternatives; theory of international trade and the balance of payments; economic growth and development.

ECO 2023. Principles of Microeconomics (3). This course covers consumption, production, and resource allocations considered from a private and social point of view; microeconomic problems and policy alternatives; economics of inequality and poverty; and comparative economic systems.

ECO 3004. Debating Economic Issues (3). Prerequisites: ECO 2013 and ECO 2023. This course applies economic analysis to current economic policy issues. Topics may include financial markets, Social Security, debt finance, health care, immigration, global climate change and environmental policy, regulation, welfare reform, labor market discrimination, drug policy, and topics selected by students.

ECO 3104. Applied Microeconomic Analysis (3). Prerequisites: ECO 2013; ECO 2023; and STA 2023, STA 2122, or STA 4321. This course examines the applications of microeconomic theory for business and policy analysis. Topics include the theory of the firm, valuation techniques in the absence of market prices, empirical research with accounting, financial and administrative data, theory of supply and business strategy, cost-benefit methods.

ECO 3130. Free to Choose (3). Prerequisites: ECO 2013 and ECO 2023. This course, dealing with liberty and economic freedom, addresses many present and past social issues and public policy decisions.

ECO 3131. Market Ethics (3). Prerequisites: ECO 2013 and ECO 2023. This course examines the vices, virtues, and values of capitalism to evaluate its ethical properties. It is designed to raise questions and clearly-structured issues so that the student can make informed and thoughtful decisions.

ECO 3223. Financial Markets, the Banking System, and Monetary Policy (3). Prerequisites: ECO 2013 and ECO 2023. This course explores the functions of money, bank creation of deposits, and credit; Federal Reserve control of money supply; and monetary theory and policy questions.

ECO 3303. History of Economic Ideas (3). Prerequisite: Any 2000-level ECO course. This course discusses the evolution of economic ideas from ancient Greece to the modern period emphasizing the relationship between developments in economic analysis and cultural/technological changes. Critique of modern economic theory in terms of its sources and logical content.

ECO 3622. Growth of the American Economy (3). Prerequisites: ECO 2013 and ECO 2023. This course examines the factors in the development of economic forces, resources, institutions, and ideas relating to American economic growth analyzed through growth theories and issue debates on economic history.

ECO 3933r. Special Topics in Economics (3). Prerequisites: ECO 2013 and ECO 2023. This course explores special topics of current interest or of benefit from the specialties of visiting faculty. May be repeated to a maximum of nine semester hours. May be repeated within the same semester.

ECO 4101. Intermediate Microeconomic Theory (3). Prerequisites: ECO 2013 and ECO 2023. This course covers various topics such as supply, demand, cost of production, theory of the firm, factor price determination, and other microeconomic resource allocation questions.

ECO 4106. Behavioral Economics (3). Prerequisite: ECO 4101. This course examines the consequences for economic analysis when individuals (and groups) deviate from rational behavior in identifiable and predictable ways, and incorporates these systematic biases into more accurate models of economic decision making.

ECO 4132. Economics of Compassion (3). Prerequisites: ECO 2013 and ECO 2023. This course addresses international and domestic issues of compassionate, charitable, and philanthropic activities. It offers an economic framework from which students can critically evaluate public and private actions whose purpose is to eliminate hunger, disease, poverty or other human burdens.

ECO 4203. Intermediate Macroeconomic Theory (3). Prerequisites: ECO 2013 and ECO 2023. This course covers the basic model of income determination, emphasizing the roles of real and monetary sectors of the economy. Results of empirical work are surveyed.

ECO 4224. Issues in Money and Banking (3). Prerequisites: ECO 2013, ECO 2023, and ECO 3223. This course emphasizes the role of monetary policy in various macroeconomic theories. Focus on controversy over the effects monetary policy has on employment, inflation, and interest rates.

ECO 4270. Economic Growth (3). Prerequisites: ECO 2013 and ECO 2023; ECO 4203 strongly recommended. This course covers the differences in income per capita in between countries. Topics cover what drives the sustained growth in the standard of living in the United States and other developed countries, how less developed countries might catch up with the developed countries, and what has impeded this process.

ECO 4307. Monetary Thought and History (3). Prerequisites: ECO 2013 and ECO 2023. This course deals with issues in money, banking, and monetary policy in the United States and other countries. A major theme is how the monetary and financial organizations can be improved.

ECO 4400. Games and Decisions (3). Prerequisite: ECO 2023; ECO 4101 recommended. This course is a non-technical introduction to strategic decision-making. Focus on situations involving conflict and cooperation and on decision-making under conditions of uncertainty and ignorance. Applies game theory and decision theory to such topics as bargaining and negotiations, contracting, auctions, and voting.

ECO 4401. Introduction to Mathematical Economics (3). Prerequisites: ECO 2013, ECO 2023, and college calculus. This course uses mathematical techniques such as probability, matrix algebra, and calculus to better understand fundamental principles of economics. Applies these techniques to policy analysis.

ECO 4421. Introduction to Econometrics (3). Prerequisites: ECO 2013; ECO 2023; and STA 2023, STA 2122, or STA 4321. This course introduces statistical inference, estimation theory, model building, and forecasting methods. Emphasis is on model building and policy analysis. Extensive use is made of PC econometric software.

ECO 4431. Analysis of Economic Data (3). Prerequisite: STA 2023, STA 2122, or STA 4321. This course provides basic skills in finding, downloading, displaying, graphing, and analyzing economics data. Topics include locating data sources, graphics methods such as data smoothing and interpolation, basic statistics, and bivariate and multivariate regression.

ECO 4455. Experimental Economics (3). Prerequisites: ECO 2013 and ECO 2023. This course is an introduction to the use of laboratory experimental economics, a relatively new method of economics research in which the classic model of laboratory experimentation is applied to microeconomics. The course is presented using both traditional lecture format and hands-on participation in different experimental economic formats.

ECO 4504. Public Sector Economics (3). Prerequisite: ECO 2023. This course examines the logic of collective actions, principles of government expenditures, theory and practice in taxation, shifting and incidence of taxes.

ECO 4532. Economic Analysis of Politics (3). Prerequisite: ECO 2023 or instructor permission. This course uses economic models to analyze political decision making. A theory of constitutions is developed and applied to the U.S. Constitution. Models of majority rule decision making and bureaucratic supply are used to develop an understanding of supply and demand in the public sector.

ECO 4554. Economics of State and Local Government (3). Prerequisite: ECO 2023. This course covers state and local revenues, expenditures, and borrowing; intergovernmental relationships.

ECO 4704. International Trade (3). Prerequisites: ECO 2013 and ECO 2023; ECO 4101 recommended. This course discusses the theory of international trade, the gains from trade, tariffs and other trade restrictions, cartels.

ECO 4713. International Finance (3). Prerequisites: ECO 2013 and ECO 2023; ECO 3223 or ECO 4203 recommended. This course focuses on the balance of payments; disequilibrium and adjustments; birth, evolution, and demise of the Bretton Woods System; the managed float; international monetary reform; multinational corporations.

ECO 4905r. Directed Individual Study (1-3). May be repeated to a maximum of six semester hours.

ECO 4933r. Senior Tutorial in Economics (1-3). (S/U grade only.) Prerequisite: Senior economics major or minor; or instructor's permission. This course covers selected topics in economics. Maximum enrollment of five students in each tutorial. Repeatable one time to a maximum of six semester hours.

ECO 4934r. Honors Work (1-3). May be repeated to a maximum of nine semester hours.

ECO 4941. Economics Internship (1-6). Prerequisite: Instructor permission. This course is an academic course related to the internship experience. Students are required to submit a weekly description of their internship activities, duties, and responsibilities; to complete a set of assignments; and at the end of the semester, to submit a paper that describes in detail the tasks they performed during the internship and discusses the skills and information required to accomplish each task. Students enrolled for six hours credit must also complete a research paper that integrates their classroom knowledge and work experience.

ECP 3004. Current Economic Issues of the U.S. (3). Prerequisites: ECO 2013 and ECO 2023. This course aims to familiarize students with tools and institutions economists use to form educated and insightful opinions on important current and future issues.

ECP 3010. Economics of Art and Culture (3). Prerequisites: ECO 2013 and ECO 2023. This course allows students to use traditional economic analysis of supply and demand to examine the markets for "high art". Students discover in the class that many of the standard approaches to economic analysis apply to these markets, but there are also features of the art markets that are unique.

ECP 3113. Economics of Population (3). Prerequisites: ECO 2013 and ECO 2023. This course examines determinants and consequences of world population growth and changes, components of population growth in more- and less-developed countries, population and food supply, nonrenewable resource interrelationships.

ECP 3143. Afro-Americans in the American Political Economy (3). Prerequisites: ECO 2013 and ECO 2023. This course examines the market, institutional, governmental, and social processes that have contributed to the economic well-being of African-Americans. Also covers theoretical material related to wage determination, labor market discrimination, and marriage and transitions in family structure, as well as interaction between race and class as determinants of the life chances of African-Americans.

ECP 3203. Labor Economics (3). Prerequisite: ECO 2023 or instructor permission. This course explores theoretical and empirical examination of wage determination, income maintenance programs, labor force, employment, unemployment, functioning of labor markets, and manpower programs.

ECP 3302. Economics of Natural Resources, Energy, and the Environment (3). Prerequisite: Any 2000-level ECO course. This course focuses on the relationship between natural resource availability and growth, capital theory, economics of the environment, the U.S. energy problem and alternatives for the future, an economic appraisal of U.S. energy policy.

ECP 3403. Business Organization and Market Structure (3). Prerequisite: ECO 2023. This course is an introduction to the economic analysis of industry, a survey of market structures, oligopoly and collusion, a variety of commercial practices under imperfect competition, the welfare consequences and policy approaches to the problems of monopoly.

ECP 3451. Economics and the Law (3). Prerequisite: ECO 2000 or 2023. This course is focused on the impact of the legal system on economic activity and the role of economic analysis in assessing the relative efficiency of alternative legal rules and institutions.

ECP 3617. Land Use, Housing, and Government Regulation (3). Prerequisite: ECO 2023. This course provides the theoretical and institutional machinery for analyzing land, housing and mortgage markets, with special attention given to the intended and unintended effects of government regulation of these markets. Important empirical evidence is also reviewed.

ECP 4006. Economics of Sports (3). Prerequisites: ECO 2013 and ECO 2023. This course presents an economic analysis of sports and entertainment. Focus is on industrial organization of the sports market, public finance and sports, sports labor market, and college and non-profit sports. Similar issues related to entertainment and artistic industries may also be covered.

ECP 4312. Economics of Energy, Environment, and Sustainability (3). Prerequisites: ECO 2023 and ECO 2013. This course explores the idea that in addressing public policy issues involving sustainability of the environment and energy systems, engineering is important for obvious reasons, but without consideration of the human factor, engineering solutions will be incomplete. In the course, students are educated on economic models and analysis of sustainability in energy and environmental systems.

ECP 4413. Government Regulation of Business (3). Prerequisite: ECO 2023. This course is an introduction to the economic analysis of antitrust law and regulation. Topics include price fixing, monopolization, predatory pricing, exclusive dealing, tie-ins, price discrimination, mergers, antitrust enforcement policies, and case studies in economic regulation.

ECP 4452. Economics of Corruption (3). Prerequisites: ECO 2013 and ECO 2023. This course carefully defines corruption and examines its causes and effects, both at the level of the individual and at the level of the society. Different theoretical models of corruption are discussed, along with empirical studies and various successful and unsuccessful anti-corruption policies in a number of countries.

ECP 4505. Economics of Crime (3). Prerequisite: ECO 2013 and ECO 2023. This course examines crime and criminal justice policy using the tools of economics. The focus is on crimes against persons and property, and drug policy. Rational behavior, opportunity cost, markets, bureaucratic behavior, and policy analysis are studied in this context.

ECP 4530. Economics of Health (3). Prerequisites: ECO 2013 and ECO 2023. This course provides an overall view of the U.S. health care system, focusing on the following topics: demand for medical care, health insurance, hospitals, physician services, regulation versus competition for cost containment, alternative delivery care systems, financing uncompensated care, Medicare prospective payment system, long-term care, and economic issues concerning health-related behavior (i.e., alcohol, tobacco).

ECP 4613. Urban Economics (3). Prerequisite: ECO 2023. This course is an analysis of trends in urban economies in the U.S. and elsewhere. Introduction to economic and demographic data sources for analysis of urban areas; issues confronting contemporary urban places.

ECP 4618. Research Methods for Studying Housing, Land, and Mortgage (3). Prerequisite: ECO 2023. This course covers the methods used by economists to study the performance of three markets that are central to the American economy: the land, housing, and mortgage markets. Students are responsible for doing their own research project.

ECS 3003. Comparative Economic Systems (3). Prerequisites: ECO 2013 and ECO 2023. This course focuses on theoretical and practical aspects of the principal forms of economic organization. Emphasis on the varieties of market-based systems, and economies in transition from centrally-planned toward market economies.

ECS 3200. Economics of Asia (3). Prerequisites: ECO 2013 and ECO 2023. This course is a survey of economic development in the economies of East Asia. The course includes an economic analysis of the factors that contributed to the substantial growth in East Asia from 1960-1989 and the subsequent financial crises that ensued in the 1990s.

ECS 3600. Economics of Native Americans (3). Prerequisites: ECO 2013 and ECO 2023. This course examines and challenges the traditional view that the economic systems of Native Americans before Europeans arrived were communal. The historical evolution of Native economies is considered in light of the evolving relationships (both conflict and cooperation) between Europeans and Natives. Finally, the economic conditions of modern Native American communities are examined.

ECS 4013. Economics of Development (3). Prerequisites: ECO 2013 and ECO 2023. This course presents economic development as a process, description and analysis; alternative overall theories of development; particular problems and policy responses to them; strategic choices in development policy. Main focus on third world economies.

ECS 4333. Transition of Soviet and Eastern European Economies (3). Prerequisites: ECO 2013 and ECO 2023. This course describes and analyzes the formerly centrally planned soviet economy and its transformation. Case studies include Russia, members of the Commonwealth of Independent States, and Eastern European countries. Analyzes the successes and failures of the transition process, particularly privatization and marketization.

ECS 4431. Economics of the Caribbean (3). Prerequisites: ECO 2013 and ECO 2023. This course provides a detailed introduction to the analysis of economic development of Caribbean countries, including a discussion of the basic characteristics of Caribbean economies, a discussion of alternative theories and models of development, as well as a range of particular economic and social issues of concern to policy makers within Caribbean countries. Focus is on the actions available to Caribbean nations for addressing their development concerns within their region and/or country.

ECS 4504. Economics of the Middle East (3). This course provides an overview of the economic issues facing the region known as the Middle East and North Africa (MENA). The course discusses the economic history of the region and reviews events and policies bringing MENA nations to their current position, and examines their prospects for future economic growth.

Graduate Courses

- ECO 5005. Economic Principles for International Affairs (3).
 ECO 5111. Intermediate Microeconomic Theory (3).
 ECO 5114. Applied Microeconomics I (3).
 ECO 5115. Product Markets and the Theory of the Firm (3).
 ECO 5116. Imperfect Competition, Factor Markets, and Income Distribution (3).
 ECO 5117. Applied Microeconomics II (3).
 ECO 5133. Markets and Auctions (3).
 ECO 5204. Macroeconomic Theory I (3).
 ECO 5205. Money and National Income Determination (3).
 ECO 5206. Macroeconomic Theory, Practice, and Policy (3).
 ECO 5207. Macroeconomic Theory II (3).
 ECO 5208. Global Macroeconomics (3).
 ECO 5226. Issues in Money and Banking (3).
 ECO 5281. Financial Economics I (3).
 ECO 5282. Financial Economics II (3).
 ECO 5305. History of Economic Thought (3).
 ECO 5403. Static Optimization in Economics (3).
 ECO 5405. Introduction to Mathematical Economics (3).
 ECO 5408. Computational Economics I (3).
 ECO 5413. Introduction to Econometrics (3).
 ECO 5416. Econometrics I (3).
 ECO 5417. SAS Programming (3).
 ECO 5420. Applied Econometrics (3).
 ECO 5423. Econometrics II (3).
 ECO 5424. Econometric Methods for Panel Data (3).
 ECO 5427. Limited Dependent Variable Models (3).
 ECO 5428. Time Series Analysis (3).
 ECO 5434. Analysis of Economic Data (3).
 ECO 5453. Advanced Experimental Economics (3).
 ECO 5505. Public Economics (3).
 ECO 5506. Public Goods (3).
 ECO 5533. Public Choice (3).
 ECO 5706. Seminar in International Trade Theory and Policy (3).
 ECO 5707. International Trade (3).
 ECO 5715. International Finance (3).
 ECO 5716. Seminar in the Theory and Policy of International Finance (3).
 ECO 5906r. Directed Individual Study (3). (S/U grade only.)
 ECO 5907r. Directed Individual Study (3).
 ECO 5914. Supervised Research (1–5). (S/U grade only.)
 ECO 5922r. Professional Development for Economists (0–2).
 ECO 5932r. Graduate Tutorial in Economics (1–3).
 ECO 5936r. Special Topics (1–3).
 ECO 5940r. Supervised Teaching (1–5). (S/U grade only.)
 ECO 5972. Extended Master's Paper (3). (S/U grade only.)
 ECO 5973r. Applied Master's Project (3).
 ECO 6209. Topics in Macroeconomics (3).
 ECO 6216. Monetary Theory and Policy (3).
 ECO 6936. Topics in Microeconomics (3).
 ECO 6938r. Doctoral Workshop (0–3). (S/U grade only.)
 ECO 6939r. Teaching Workshop (0–3). (S/U grade only.)
 ECP 5115. Seminar in the Economics of Population (3).
 ECP 5117. Mathematical Demography (3).
 ECP 5118. Population Data (3).
 ECP 5205. Labor Markets (3).
 ECP 5405. Industrial Organization (3).
 ECP 5415. Social Control of Business (3).
 ECP 5456. Law and Economics (3).
 ECP 5457. Economics of Corruption (3).

- ECP 5536. Economics of Health (3).
 ECP 5537. Applied Health Economics (3).
 ECP 5538. Health Policy Statistics (3).
 ECP 5606. Urban and Regional Economics (3).
 ECS 5005. Seminar in Comparative Economics Systems (3).
 ECS 5015. Economic Development: Theory and Problems (3).
 ECS 5335. Economies in Transition (3).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

EDUCATIONAL ADMINISTRATION/LEADERSHIP: see Educational Leadership and Policy Studies

Department of EDUCATIONAL LEADERSHIP AND POLICY STUDIES

COLLEGE OF EDUCATION

Web Page: <http://www.coe.fsu.edu/ELPS/>

Chair: Robert Schwartz; **Professors:** Herrington, Hu, Irvin, Milligan, Schwartz, Wetherell; **Associate Professors:** Akiba, Easton, Iatarola, Lang, Rutledge; **Research Associate:** Schrader; **Associate In:** Blackwell-Flanagan, Ramos, Wicker; **Assistant Professors:** Bertrand Jones, Cox, Gawlik, Guthrie, Kurshid, Park, Perez-Felkner, Tandberg; **Faculty Emeriti:** Beckham, Bender, Dalton, Funk, Jahns, Kannwischer, Kunkel, Lick, Mann, Milton, Schroeder, Snyder, Stakenas, Thomas, Waggaman

The Department of Educational Leadership and Policy Studies offers graduate degree programs in Educational Leadership and Policy and Higher Education. At the graduate level, the department offers certificates in Educational Policy, Institutional Research and Program Evaluation. Although the department does not offer undergraduate degree programs, it does offer an undergraduate certificate in Leadership Studies and several courses are offered at the undergraduate level for persons engaged in programs of professional education and teacher education. For information on graduate programs, consult the *Graduate Bulletin*.

Undergraduate Certificate in Leadership Studies

The undergraduate certificate in Leadership Studies (LEAD) is an eighteen credit hour undergraduate program that is interdisciplinary, multidimensional, experiential, and multicultural. Courses offered in this certificate program explore leadership theory, working in the context of groups and communities, changing leadership strategies, theory-to-practice through experiential learning and the complexity of leadership. Award of this certificate is acknowledged on the recipient's academic transcript. For more information, visit <http://the-center.fsu.edu/Leadership-Studies-Certificate>.

State Certification Courses

The following social foundations of education courses are offered by the Educational Leadership and Policy Studies department: EDA 4060; EDF 4604, 5517, 5543, 5548, 5551, 5612, 5630, 5710r.

Definition of Prefixes

ADE—Adult Education

CGS—Computer General Studies

ECT—Education: Career/Technical

EDA—Education: Administration

EDF—Education: Foundations and Policy Studies

EDG—Education: General

EDH—Education: Higher

EME—Education: Technology and Media

LDR—Leadership Studies

SDS—Student Development Services

Undergraduate Courses

ADE 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

ADE 4930r. Special Topics in Adult and Community Education (3). This course introduces varying topics related to the nature and methods of adult and community education. May be repeated for a maximum of twelve semester hours.

ECT 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

EDA 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

EDA 4060. Organization and Control of Education (3). This course examines relationships among local school districts, intermediate units, state departments of education, and the federal government.

EDF 1005. Introduction to Education (3). This course offers students a broad view of education from historical, cultural, psychological, political, social, and philosophical perspectives. Includes lectures, discussions, and field experience.

EDF 2073. Diversity in and out of School: Multicultural Policies and Practices (3). This course focuses on how the concept of multiculturalism is central to understanding the development of educational policies and practices in the twentieth century. This course provides a broad survey of the ways in which this concept helps to describe and explain current programs both in and out of school and in the university settings.

EDF 2082. Schooling and Development in Third World Societies (3). This course provides a basic overview of schooling and development in Asia, Africa, and Latin America. While journeying through different countries, school systems, and cultures, this course also focuses on the Third World inside the United States.

EDF 4604. Schooling in American Society (3). This course studies the organization, policies, and practice of American public education and its mutual interactions with other aspects of society.

EDF 4906r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

EDH 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

LDR 2101. Leadership Theory and Practice (3). This course is designed to inspire, teach, and engage students in the process of learning leadership, this course introduces students to leadership theory and helps them understand their unique role in leadership on campus, in their academic discipline, and within our larger society.

LDR 2162. Leadership in Groups and Communities (3). This course is designed to inspire, teach, and engage students in the process of learning leadership within the context of working with groups and communities. This course helps students develop the skills necessary in order to be effective in the leadership process and to practice these skills within their community. The course is highly interactive, with student participation and outside class involvement as critical components to the learning process.

LDR 2163. Emerging Leaders (3). This course enables students to develop their intellectual, interpersonal, and social skills through their experiences as members in organizations. This course is designed to prepare students for leadership roles and challenges they face in their organizations, on campus, and in the community. The course is highly interactive with student participation and outside class involvement as critical components to the learning process.

LDR 2213. Leadership for Social Justice (3). This course introduces students to theoretical frameworks in the field of social justice. Through these theories, the notions of privilege, oppression, power, and difference are explored. Attention is given to specific social justice issues related to gender, sexual orientation, race, religion, ability, age, and class. Students examine social justice in the context of leadership and come to understand their unique role in creating social change on campus, in their academic discipline, and within our larger society.

LDR 2290. Leadership and Sustainability in Action (3). This course is designed to introduce students to the concept of leadership and action related to sustainability. It looks at the interconnectedness and complexity of the three pillars of sustainability (environment, economic, and social) as well as discusses the development of the leadership skills needed to create social change. In conjunction with class discussions and readings, students develop a personal sustainability plan to help align passion and values into active practice.

LDR 3215. Leadership and Change (3). This advanced undergraduate leadership course examines the change process and prepares leaders who are effective in working with individuals, groups, and organizations in leading and managing change. This is an interactive theory-to-practice course, focused on leadership as a change process.

LDR 3263. Leadership Experience (3). This experiential-based course offers participants an opportunity to put into practice the knowledge, theory, and skills they have learned in previous courses in the Certification program. Students select and create an experience, complete an experiential learning contract for the course, and do extensive reflection on their experience throughout the course.

LDR 4105. Leadership and Complexity (3). This final course in the Certificate in Leadership Studies builds upon the leadership literature, theory and experience foundation created in the previous certificate courses. This course provides opportunities for analysis of student's experiential opportunity, advanced theory to practice work, and development of personal leadership theory and integrated learning plan.

LDR 4404. Student Affairs Leadership (3). This course offers practical information and activities designed to familiarize students with theories, organizational structures, and issues/trends/challenges of the student affairs profession. It is designed to provide students an opportunity to gain knowledge in the theory and practical application of student affairs, with an emphasis placed on leadership development, problem solving, and career exploration.

MHS 4001. The Human Services Profession (3). This course is an exploration of the nature of human service work. Analyzes past, present, and future issues in human service work. Topics include: human service professions and systems approaches; personal, career, and family development; the delivery of human services; and program development and evaluation, with a special emphasis upon the rehabilitation process.

Graduate Courses

ADE 5070. Comparative and International Adult Education (3).

ADE 5193. Education and Training in Gerontology (3).

ADE 5385. Adult Learning (3).

ADE 5675. Issues in Adult and Continuing Education (3).

ADE 5906r. Directed Individual Study (1–3). (S/U grade only.)

ADE 5915r. Supervised Research (1–4). (S/U grade only.)

ADE 5942r. Internship in Continuing Education (2–4). (S/U grade only.)

ADE 6920r. Adult Education Colloquium (1). (S/U grade only.)

CGS 5310. Technology and Communication in Schools (3).

ECT 5905r. Directed Individual Study (1–3). (S/U grade only.)

ECT 5915r. Supervised Research (1–4). (S/U grade only.)

ECT 5947r. Internship (1–8). (S/U grade only.)

ECT 5973r. Specialist in Education Thesis (1-6). (S/U grade only.)

ECT 6980r. Dissertation (1-12). (S/U grade only.)

ECT 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

ECT 8968r. Specialist in Education Comprehensive Examination (0). (P/F grade only.)

- ECT 8978r. Specialist in Education Thesis Defense (0). (P/F grade only.)
- ECT 8985r. Dissertation Defense (0). (P/F grade only.)
- EDA 5069. Ethics in Educational Leadership (3).
- EDA 5109. Educational Management Development (3).
- EDA 5191. Leadership for Diversity (3).
- EDA 5192. Educational Leadership (3).
- EDA 5218. Application of Leadership Theory (3).
- EDA 5219. Human and Fiscal Resources in Education (3).
- EDA 5222. Personnel Administration in Education (3).
- EDA 5227. The Role of the Woman Administrator in Education (3).
- EDA 5231. Applications of Policy (3).
- EDA 5232. Legal Aspects of Public School Administration (3).
- EDA 5242. School Finance (3).
- EDA 5288. The Politics of Education (3).
- EDA 5422. Applied Data Analysis and Assessment for Educational Leaders (3).
- EDA 5423. Data Driven School Improvement (3).
- EDA 5501. The Assistant Principalsip (3).
- EDA 5503. The Principalsip (3).
- EDA 5504. Instructional Leadership (3).
- EDA 5507. Planning Effective Instruction (3).
- EDA 5508. Teacher Leadership Development (3).
- EDA 5569. State Education Policy (3).
- EDA 5906r. Directed Individual Study (1–3). (S/U grade only.)
- EDA 5910r. Supervised Research (1–4). (S/U grade only.)
- EDA 5931r. Special Topics in Educational Administration (1–3).
- EDA 5941r. Supervised Teaching (1–4). (S/U grade only.)
- EDA 5942. Practical Experiences in Educational Leadership (3).
- EDA 5945. Practicum in Educational Leadership I (1).
- EDA 5946. Practicum in Educational Leadership II (1).
- EDA 5947. Practicum in Educational Leadership III (1).
- EDA 6101. Organizational Theory (3).
- EDA 6102. Perspectives on Leadership Theory (3).
- EDA 6193. Leading Learning (3).
- EDA 6207. Leadership for School Renewal (3).
- EDA 6424. Research in Schools (3).
- EDA 6930r. Departmental Seminar and Research Projects (1–3). (S/U grade only.)
- EDA 6940r. Internship in Educational Administration (3). (S/U grade only.)
- EDF 5089. Black and Latino Education: History and Policy (3).
- EDF 5488. Computer Analysis of Educational Data (2).
- EDF 5517. History of Education in the United States (3).
- EDF 5519. History of Higher Education (3).
- EDF 5543. Introduction to Philosophy of Education (3).
- EDF 5548. Philosophy of Teaching and Learning (3).
- EDF 5551. Social Philosophies and Education (3).
- EDF 5612. Anthropology of Education (3).
- EDF 5624. Economics of Education (3).
- EDF 5625. Education and Economic Development (3).
- EDF 5626. Economic Evaluation of Education Programs (3).
- EDF 5630. Sociology of Education (3).
- EDF 5631. Education and Equality (3).
- EDF 5641. Introduction to Policy Studies in Education (3).
- EDF 5651. Case Studies in Educational Policy (3).
- EDF 5652. Policy Development in Education (3).
- EDF 5661. The Language of Education Policy (3).
- EDF 5706. Gender and Education in Comparative Perspective (3).
- EDF 5710r. Contemporary Readings in American Education (3).
- EDF 5763. The Educational Consultant: Fieldwork Techniques (3).
- EDF 5815r. Comparative Studies in Education (2–5).
- EDF 5850. International Development Education (3).
- EDF 5853. Comparative Education (3).
- EDF 5890. Sociology of Nontraditional Approaches and Innovation in Education and Development (3).
- EDF 5896. Education and Political Development (3).
- EDF 5897. Sociology of Education and Development (3).
- EDF 5907r. Directed Individual Study (1–3). (S/U grade only.)
- EDF 5911r. Supervised Research (1–4). (S/U grade only.)
- EDF 5935r. Special Topics in Foundations of Education (1–3).
- EDF 5943r. Supervised Teaching (1–4). (S/U grade only.)
- EDF 6160. The School as a Social System: The Social Psychology of Education (3).
- EDF 6449. Survey Research Methods (3).
- EDF 6475. Qualitative Methods in Educational Research (3).
- EDF 6479. Qualitative Data Analysis (3).
- EDF 6547. Philosophical Foundations of Education Research (3).
- EDF 6558. Seminar on John Dewey's Educational Philosophy (3).
- EDF 6576. Policy to Practice: District, School, and Classroom Policy Implementation (3).
- EDF 6629r. Advanced Seminar: Selected Topics in Education and Economic Development (3).
- EDF 6648. Policy Analysis in Education (3).
- EDF 6653. Planning Education for Socioeconomic Change (3).
- EDF 6945r. Internship in Educational Policy (1–9). (S/U grade only.)
- EDF 6960. Diagnostic Examination (0). (P/F grade only.)
- EDG 5250. Curriculum and Instruction (3).
- EDG 5253. Designing, Implementing, and Evaluating Curriculum (3).
- EDG 5945r. Advanced Associate Teaching (3). (S/U grade only.)
- EDH 5041. International Interventions (3).
- EDH 5042. Student Success in College (3).
- EDH 5045. Student Development Theories for College Student Personnel Work (3).
- EDH 5046. Diversity in Higher Education (3).
- EDH 5050. Seminar in Graduate Inquiry Resources (2).
- EDH 5051. Higher Education in America: Basic Understandings (3).
- EDH 5054. The American Community College: History and Development (3).
- EDH 5055. Introduction to Institutional Research (3).
- EDH 5068. Outcomes of Undergraduate Education (3).
- EDH 5081. Leading Change in Higher Education (3).
- EDH 5095. Strategic Planning and Performance Improvement in Higher Education (3).
- EDH 5305. College Teaching: Instruction in Higher Education (3).
- EDH 5405. Legal Aspects of Higher Education (3).
- EDH 5406. Ethical Leadership in Higher Education (3).
- EDH 5504. College and University Institutional Advancement (3).
- EDH 5506. College and University Business Administration (3).
- EDH 5507. College and University Budgeting (3).
- EDH 5630. Capstone in Higher Education (3).
- EDH 5631. Academic Leadership and Middle Management in Higher Education (3).
- EDH 5632. College and University Presidency (3).
- EDH 5639. Strategic Management in Higher Education (3).
- EDH 5645. Data Driven Decision Making for Institutional Researchers (3).
- EDH 5646. Data Mining (3).
- EDH 5647. Data Analysis for Institutional Research (3).
- EDH 5906r. Directed Individual Study (1–3). (S/U grade only.)
- EDH 5915r. Supervised Research (1–4). (S/U grade only.)
- EDH 5931r. Special Topics in Higher Education (1–3).
- EDH 5941r. Field Laboratory Internship (1–8).
- EDH 5942r. Internship (1–8). (S/U grade only.)
- EDH 5943r. Supervised Teaching (1–4). (S/U grade only.)
- EDH 5944r. Internship (1–8). (S/U grade only.)
- EDH 5946. Internship in College and Community College Teaching (3).
- EDH 6067. International Perspectives in Higher Education (3).
- EDH 6206. College Curriculum: Issues of Philosophy and Development (3).
- EDH 6401. Public Policy in Higher Education (3).
- EDH 6505. Finance in Higher Education (3).
- EDH 6635. Organization and Governance of Higher Education (3).
- EDH 6935r. Seminar: Literature, Research, and Professional Writing in Higher Education (3). (S/U grade only.)
- EDH 6936. Seminar in Student Development Theories (3).
- EME 5941. Designs for In-Service Personnel Development (3).
- SDS 5040. Student Personnel Work in Higher Education (3).
- SDS 5624. The American College Student (3).
- SDS 5804. Practicum in Student Personnel Work (3).

For listings relating to graduate course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Department of EDUCATIONAL PSYCHOLOGY AND LEARNING SYSTEMS

COLLEGE OF EDUCATION

Web Page: <http://coe.fsu.edu/EPLS>

Chair: Betsy Becker; **Professors:** Becker, Driscoll, Eklund, Klein, Pfeiffer, Prevatt, Sampson, Shute, Tenenbaum; **Associate Professors:** Almond, Darabi, Dennen, Ebener, Jeong, Losh, Proctor, Roehrig; **Assistant Professors:** Canto, Dong, Ke, Lampropoulos, Osborn, Paek, Turner, Yang; **Assistant-in-Professors:** Fellers, Lenz; **Professors Emeriti:** Branson, Kaufman, Keller, Kelly, Pargman, Peterson, Reardon, Reiser, Wager

The Department of Educational Psychology and Learning Systems offers degrees only at the Master's, Specialist, and Doctoral levels. However, the department does offer several undergraduate courses that are components of the teacher education curriculum. For more information about the department, refer to the *Graduate Bulletin*.

The following graduate-level programs and certificates are offered by the Department of Educational Psychology and Learning Systems:

Educational Psychology

Learning and Cognition M,S,D
Sports Psychology M,D
Measurement and Statistics M,S,D

Instructional Systems

Instructional Systems M,D
Open and Distance Learning M
Performance Improvement and Human Resource Development M

Psychology and Counseling Services

Career Counseling Combined M/S
Mental Health Counseling Combined M/S
School Psychology S
Combined Program in Counseling Psychology and School Psychology D

Graduate Certificate in Human Performance Technology
Graduate Certificate in Online Instructional Development
Graduate Certificate in Measurement and Statistics

Definition of Prefixes

ADE—Adult Education
APK—Applied Kinesiology
DEP—Developmental Psychology
EDF—Education: Foundations and Policy Studies
EDG—Education: General
EDP—Educational Psychology
EGI—Education: Gifted
EME—Education: Technology and Media
MHS—Mental Health Services
PCO—Psychology for Counseling
PET—Physical Education Theory
PSB—Psychobiology
RCS—Rehabilitation Counseling Services
SDS—Student Development Services
SLS—Student Life Skills (Learning)
SPS—School Psychology
SYP—Social Processes

Undergraduate Courses

APK 4400. Sport Psychology (3). This course explores selected psychological theories and applications relevant to sport and exercise behavior.

EDF 4210. Educational Psychology: Developing Learners (3). This course is designed to introduce students to concepts of human development, learning, and motivation as foundations for the planning and implementation of classroom instruction. Students are expected to acquire and use theoretical knowledge to inform decisions about strategies for helping learners develop, learn, and achieve.

EDF 4430. Classroom Assessment (3). This course prepares prospective teachers for activities related to assessing students, including establishing validity evidence, enhancing generalization of observations, using traditional and alternative assessment strategies, interpreting and using data to improve achievement, and utilizing assessment in the process of learning.

EDF 4440. Measurement and Evaluation in the Classroom (3). This course prepares teachers for activities in testing, grading, test construction, and the interpretation and use of test scores.

EDF 4905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve semester hours.

EDG 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

EGI 4011. Introduction to Gifted and Talented Students (3). This course focuses on the nature and needs of exceptional children and youth including the special groups of underachieving, culturally diverse, women, and handicapped gifted.

EME 2040. Introduction to Educational Technology (3). This course is an introduction to the use of educational technology in teaching and learning. Students learn to use personal computers and other technology for communication, presentations, and resource acquisition.

EME 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

EME 4044. Educational Technology Theory and Practice in Instruction (3). This course focuses on the current theories and practices of using technology in teaching and learning. Students participate in a computer-supported collaborative learning environment and integrate technology into their practices.

EME 4905r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

MHS 4003. Introduction to the Psychology of the Gifted (3). Prerequisites: Senior standing and 3.0 GPA in major. This course examines current issues in intelligence, creativity, talent development, and giftedness. Course topics include theories of intelligence, the four P's of creativity, conceptions of giftedness, and why certain groups of students are underrepresented in gifted programs.

RCS 1065. Disability in Western Culture (3). This course provides an understanding of disability and its implications within the context of Western culture; includes definitions of disability, historical and current cultural views, and implications of disability for daily life.

RCS 4039. Helping Strategies and Case Management in Rehabilitation (3). This course offers training in basic interviewing techniques and case management skills in rehabilitation. Includes case recording, ecological assessment, individual treatment planning, crisis intervention, referral, and interdisciplinary collaboration.

RCS 4060. Psychosocial Aspects of Diversity (4). This course examines the psychological and the social factors related to adjustment and diverse populations, including minorities, women, persons with disabilities and other adults.

RCS 4081. Medical Aspects of Disability and Chronic Illness (3). This course offers an introduction to the structure of medicine in the United States. Topics cover a survey of medical specialties and terminology, as well as a survey of body systems, common malfunctions, therapeutic services, and restorative techniques.

RCS 4240. Psychosocial Aspects of Rehabilitation (3). This course offers an overview of the psychological and social factors related to the adjustment or adaptation to a disability and to the provision of rehabilitation services, while also addressing the relationship between disability and culture.

RCS 4300. Vocational Aspects of Rehabilitation (3). This course deals with the theories, methods, and practices of career development; utilizing occupational information and labor market trends; and understanding of requirements and characteristics of a variety of occupations, job analysis, and job modification and restructuring.

RCS 4820r. Internship in Rehabilitation Services (7–15). (S/U grade only.) This course is a full or half semester internship in a rehabilitation services setting. May be repeated to a maximum of fifteen semester hours.

RCS 4840. Field Experience in Rehabilitation (3). (S/U grade only.) This course is a supervised clinical practice in a rehabilitation agency or community service organization. Duties include such activities as interviewing, assessment, case management, service coordination, and life skills training.

RCS 4930r. Special Topics in Rehabilitation Counseling (1–4). This course studies special topics in rehabilitation counseling in depth. May be repeated within the same term to a maximum of twelve semester hours.

SDS 3340r. Introduction to Career Development (1–3). This course focuses on the principles and practices of career planning and management, including use of self-assessment, career resources, and employability skill guides. May be repeated to a maximum of three semester hours.

SDS 4481. Communication and Human Relations (3). This course focuses on the relevant dimensions of the helping relationship and the development of effective communications skills.

SLS 1122. Strategies for Academic Success (1). This course offers a positive intervention to facilitate academic success and to promote retention for first-time-in-college students who are in academic difficulty after their first term of full-time enrollment at Florida State University. Focus is on the development of study skills required for college-level work as well as on the identification and minimization of barriers that impede individual student achievement.

SLS 3407. Strategies for Veteran Success (0–1). (S/U grade only.) This course is designed as a proactive measure to facilitate the transition from military service to college with the ultimate goal of promoting student veteran retention, graduation, and job placement. The purpose of the course is to facilitate development of study and life management skills that are critical to success in an environment that is structured to encourage personal connections with fellow student veterans as well as campus resources.

SLS 3717. Peer Tutoring (1). This course provides training in various areas related to peer tutoring for both group and individual tutoring and is applicable across disciplines. Course content is analyzed through the exploration of contemporary theory, group activities, readings, lectures, class discussions and online assignments. Critical inquiry, tutoring 'best practices,' and service learning play important roles.

Graduate Courses

ADE 5080. Foundations of Adult and Continuing Education (3).
ADE 5083. Human Resource Development (3).
ADE 5084. Analytical Applications in Human Resource Management, Training and Development (3).
ADE 5186. Program Leadership Development (3).
ADE 5189. Staff Training and Development (3).
ADE 5380. Processes of Community and Adult Education (3).
ADE 5385. Adult Learning (3).
ADE 5672. E-Learning for Managers (3).
ADE 5932r. Special Topics in Adult Education (1-3).
ADE 6676. Human Resource Development Policy Seminar (3).
APK 5121. Sport and Exercise Psychology for Coaches (3).
APK 5404. Sport Psychology (3).
DEP 5068. Life-Span Human Development (3).
EDF 5400. Basic Descriptive and Inferential Statistics Applications (4).
EDF 5401. General Linear Model Applications (4).
EDF 5402. Advanced Topics in Analysis of Variance Applications (3).
EDF 5406. Multivariate Analysis Applications (3).
EDF 5409. Causal Modeling (3).
EDF 5410. Nonparametric Analysis Applications (3).
EDF 5431. Classroom Assessment (3).
EDF 5432. Measurement Theory I (3).
EDF 5434. Measurement Theory II (3).
EDF 5435. Theory of Scaling (2).
EDF 5442. Inquiry and Measurement for Practitioners (3).
EDF 5443. Measurement and Evaluation in the Classroom (3).
EDF 5445. Assessment of Learning Outcomes (3).
EDF 5448. Scale and Instrument Development (3).
EDF 5461. Introduction to Program Evaluation (3).
EDF 5462. Evaluation of New Educational Programs and Practices (3).
EDF 5464. Qualitative Methods for Program Evaluation (3).
EDF 5481. Methods of Educational Research (3).
EDF 5906r. Directed Individual Study (1-3). (S/U grade only.)
EDF 5910r. Supervised Research (1-4). (S/U grade only.)
EDF 5940r. Supervised Teaching (1-4). (S/U grade only.)
EDF 5942r. Field Laboratory Internship (1-8). (S/U grade only.)
EDF 6499. Discourse and Conversation Analysis (3).
EDF 6933. Advanced Measurement Seminar: Decision Processes (2).
EDF 6937r. Seminar in Advanced Research Problems (1-3).
EDG 5932r. Seminar in Instructional Design (1). (S/U grade only.)
EDG 6287. Needs Assessment for Performance and System Planning (3).
EDG 6328. Alternate Views of Teaching and Learning (3).
EDG 6362. Instructional Systems Research Seminar (3).
EDG 6363. Practicum in Experimental Learning Research (3).
EDG 6925. Advanced Instructional Design and Development (3).
EDP 5216. Theories of Learning and Cognition in Instruction (3).
EDP 5217. Principles of Learner Motivation (3).
EDP 5275. Development of Children in School (3).
EDP 5285. Group Processes in Instruction (3).
EDP 5935. Topics in Educational Psychology (3).
EGI 5936. Seminar for Teachers of the Gifted (3).
EGI 5940. Mentorship Practicum for the Gifted (5).
EME 5054. Educational Technology: Theory and Practice in Instruction (3).
EME 5077. Mobile Learning (3).
EME 5405. Media, Text, and Technology (3).
EME 5457. Introduction to Distance Learning (3).
EME 5601. Introduction to Instructional Systems (3).
EME 5603. Introduction to Systematic Instructional Design (3).
EME 5604. Designing Instructor-Led Courses (3).
EME 5608. Trends and Issues in Instructional Design (3).
EME 5906r. Directed Individual Study (1-3). (S/U grade only.)
EME 5975. Portfolio Review for Certificate Program in Online Instructional Development (0). (S/U grade only.)
EME 6357. Evaluation of Training in HPT (3).

EME 6403. Designing for Online Collaborative Learning (3).
EME 6414. Web 2.0-Based Learning and Performance (3).
EME 6415. Development of Computer Courseware (3).
EME 6476. Internet Based Inquiry (3).
EME 6507. Development of Multimedia Instruction (3).
EME 6613. Design and Development of Electronic Performance Support Systems (3).
EME 6616. Case Studies in Instructional Systems (2).
EME 6631. Managing Instructional Development (3).
EME 6635r. Seminar in Advanced Instructional Systems Problems (1-3).
EME 6636. A System Approach to the Management of Change (3).
EME 6665. Synthesis, Analysis, and Argumentation in Instructional Systems Research (3).
EME 6691. Performance Systems Analysis (3).
MHS 5005. Foundations of Counseling and Rehabilitation (3).
MHS 5007. Foundations of Mental Health Counseling (3).
MHS 5010. Foundations of School Counseling (3).
MHS 5060. Psychological and Multicultural Aspects of Counseling (3).
MHS 5340. Foundations of Career Development (3).
MHS 5341. Career Development Program Design and Evaluation (3).
MHS 5400. Introduction to Counseling Theories and Techniques (4).
MHS 5496. Current Issues in the Psychology of the Gifted (3).
MHS 5511. Group Counseling: Theory and Practice (3).
MHS 5710. Research in Human Services (3).
MHS 5800r. Practicum: Counseling Concepts and Case Management (4).
MHS 5801. Practicum in Counseling and Rehabilitation (4).
MHS 5801r. Practicum in Counseling and Rehabilitation (4).
MHS 5860r. Supervised Teaching (1-4). (S/U grade only.)
MHS 5860r. Supervised Teaching (1-4). (S/U grade only.)
MHS 5905r. Directed Individual Study (1-3).
MHS 5905r. Directed Individual Study (1-3).
MHS 5915. Supervised Research (1-4).
MHS 5915r. Supervised Research (1-4). (S/U grade only.)
MHS 6220. Individual Appraisal in Counseling (3).
MHS 6300. Theories of Vocational Behavior (3).
MHS 6401. Evidence-Based Counseling/Psychotherapy (3).
MHS 6410. Behavior Management: Principles and Applications (3).
MHS 6600. Consultation and Organizational Development (3).
MHS 6610. Supervision (3).
MHS 6610. Supervision (3).
MHS 6630. Program Development and Evaluation in Counseling (3).
MHS 6715. Design and Critical Review of Research in Counseling (3).
MHS 6803. Seminar in Ethics, Law, and Clinical Supervision (3).
MHS 6805. Advanced Group or Individual Counseling Practicum (1-4).
MHS 6805r. Advanced Group or Individual Counseling Practicum (4).
MHS 6820r. Counseling Internship (3-6). (S/U grade only.)
MHS 6938r. Special Topics in Counseling Psychology (3).
MHS 6946r. Field Practicum in Counseling Psychology (2-16). (S/U grade only.)
MHS 8980r. Dissertation (1-12). (S/U grade only.)
PCO 5095. Computer Applications in Counseling Psychology and Other Human Services (3).
PCO 6930. Integrative Seminar (3).
PET 5054C. Motor Skill Learning (3).
PET 5216. Applied Sport and Exercise Psychology (3).
PET 5222. Cognitive Processes in Sport Psychology (3).
PET 5255. Social Bases of Physical Activity (3).
PET 5390. Measurement in Sport and Exercise Psychology (3).
PET 6217. Stress and Motor Performance (3).
PSB 5066. Biological Bases of Learning and Behavior (3).
RCS 5080. Medical Aspects of Disability (3).
RCS 5245. Psychosocial and Multicultural Aspects of Disability (3).
RCS 5250. Assessment in Counseling and Rehabilitation (3).
RCS 5320. Placement Methods and Techniques (3).
RCS 5410. Principles and Practices in Rehabilitation Counseling (3).
RCS 5626. Administration and Supervision in Rehabilitation (3).
RCS 5845r. Leadership Practicum in Rehabilitation (3-6).
RCS 5930r. Special Topics in Rehabilitation (3).
RCS 6249. Advanced Psychological and Social Aspects of Disability (3).
RCS 6259. Advanced Assessment in Rehabilitation Counseling (3).
RCS 6400. Advanced Theories and Principles of Rehabilitation (3).

RCS 6700r.	Professional Issues in Rehabilitation Counseling (3).
SDS 5820r.	Internship (4–12). (S/U grade only.)
SPS 5055.	Foundations of School Psychology (3).
SPS 5105.	Social-Emotional Disorders of Children and Adolescents: Characteristics and Assessment (3).
SPS 5191.	Assessment of Intelligence (4).
SPS 5192.	Psychoeducational Assessment and Intervention (4).
SPS 5193.	Laboratory in the Assessment of Social-Emotional Problems in Children and Adolescents (3).
SPS 5205.	Consultation in the Schools (3).
SPS 5615.	Counseling Children and Adolescents (3).
SPS 5945r.	Practicum in School Psychology (3–6). (S/U grade only.)
SPS 6948r.	Internship in School Psychology (3–6). (S/U grade only.)
SYP 5105.	Theories of Social Psychology (3).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Department of ELECTRICAL AND COMPUTER ENGINEERING

FAMU–FSU COLLEGE OF ENGINEERING

Web Page: <http://www.eng.fsu.edu/ece/>

Chair: Simon Y. Foo; **Professors:** Arora, Baldwin, V. DeBrunner, Foo, Meyer-Baese, Perry, Roberts, Zheng; **Associate Professors:** Andrei, L. DeBrunner, Edrington, Harvey, Kwan, Li, Tung, Weatherspoon, Yu; **Assistant Professor:** Moss; **Assistants in Electrical Engineering:** Barnes, Hughes; **Associate in Electrical Engineering:** Brooks

Bachelor of Science in Electrical Engineering– Program Educational Objectives

Our BS in Electrical Engineering graduates will:

1. Have a successful career in electrical engineering
2. Be enrolled in or have completed a MS or PhD program
3. Have a career in digital systems, DSP, control systems, microelectronics, power systems, or electromagnetics
4. Participate in either the research, development, or application of engineering solutions that have had a positive impact on society
5. Make contributions to workforce diversity
6. Have shown a commitment to life-long learning and continuous self-improvement
7. Have become proficient in the oral and written communications of their work and ideas

Bachelor of Science in Computer Engineering– Program Educational Objectives

Our BS in Computer Engineering Graduates will:

1. Have a successful career in computer engineering
2. Be enrolled in or have completed a MS or PhD program
3. Have a career in digital systems, digital signal processing, computer networks, or VLSI
4. Participate in either the research, development, or application of engineering solutions that have had a positive impact on society
5. Make contributions to workforce diversity
6. Have shown a commitment to life-long learning and continuous self-improvement
7. Have become proficient in the oral and written communications of their work and ideas

Program Review

The departmental faculty has established a process to periodically review and revise its two program educational objectives after obtaining feedback from its primary constituent groups. The faculty also is committed to teaching professional and ethical responsibility by example and by practice. The active sponsored research activities of the faculty ensure the program curricula remain contemporary and motivate the need for life-long learning.

Technical Electives

Technical electives provide the student an opportunity to achieve a greater breadth of knowledge and some degree of specialization in selected areas of special interest. Electives are offered in computer engineering and the following five electrical engineering application areas.

1. **Microelectronics** deals with all aspects of solid-state electronic devices, the analysis and design of analog and digital circuits, their implementation and fabrication using microelectronic techniques, and their application in a wide variety of systems
2. **Digital signal processing and control systems** concentrate on the design and analysis of systems in which discrete and continuous signals are used for conveying information and controlling physical systems and processes. Included are the encoding, decoding, and representation of information in both the time and frequency domain
3. **Communications** is concerned with the preparation, transmission, and reception of encoded information via media ranging from wires to fiber optic cables and space. Included are topics such as AM, FM, and pulse modulation techniques; telecommunication systems; satellite telemetry; and wireless and computer networks

- Electromagnetics** in the broadest sense is the study of the relationship between electric current, electric and magnetic fields, and their interactions. It is the foundation of electrical and electronic technology. The practical applications of this theory include the design of antennas, transmission lines, RF, microwave and optical transmission facilities, and radar
- Power systems engineering** is concerned with the design and operation of electric power generation, transmission, and distribution for an increasing customer demand. It involves the modeling, analysis, and design of power system components including power transformers, electric motors, synchronous generators, and high voltage power transmission and distribution networks. Power system engineering also includes the investigation of alternative methods for generating electrical energy, the control and reliability of complex power networks, power quality, economic factors, and environmental effects.

Honors in the Major

The Department of Electrical and Computer Engineering offers a program of honors in electrical engineering to encourage talented students to extend their undergraduate experience by participating in directed or independent research on a topic relative to electrical engineering that is not included in the regular curriculum. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in electrical and computer engineering satisfy this requirement by earning a grade of "C-" or higher in EEL 3705L.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

Computer Engineering

- MAP X302
- MAC X311 or MAC X281
- MAC X312 or MAC X282
- MAC X313 or MAC X283
- CHM X045/X045L or CHM X045C or CHS X440
- PHY X048/X048L or PHY X048C
- PHY X049/X049L or PHY X049C

Electrical Engineering

- MAC X311 or MAC X281
- MAC X312 or MAC X282
- MAC X313 or MAC X283
- MAP X302 or MAP X305
- CHM X045/X045L or CHM X045C, or CHS X440 and CHM X045L, or CHS X440 only, if for four credit hours and includes a lab
- PHY X048/X048L or PHY X048C, or PHY X043 and PHY X048L
- PHY X049/X049L or PHY X049C, or PHY X044 and PHY X049L

Common Required Courses for Bachelor of Science Degrees and Dual Majors

All candidates for Bachelor of Science in Electrical Engineering (BSEE), Bachelor of Science in Computer Engineering (BSCpE), and Bachelor of Science in dual majors (BSEE and BSCpE) are required to complete a total

of one hundred three semester hours of common required courses, of which twenty-four hours are English, social science, and humanities courses; forty-four hours are engineering core courses (listed below); and thirty-seven hours are required electrical and computer engineering courses (listed below).

Engineering Core Courses

COP 3014	Programming I (3) For FSU students
CHM 1045C	General Chemistry I (4)
EGM 3512	Engineering Mechanics (4)
EML 3100	Thermodynamics (2)
ENG 1004L	First Year Engineering Lab (1)
MAC 2311	Calculus with Analytical Geometry I (4)
MAC 2312	Calculus with Analytical Geometry II (4)
MAC 2313	Calculus with Analytical Geometry III (5)
MAP 2302	Ordinary Differential Equations (3)
MAS 3105	Applied Linear Algebra I (4)
PHY 2048C	General Physics A (5)
PHY 2049C	General Physics B (5)

Required Electrical and Computer Engineering Courses

EEE 3300	Electronics (3)
EEE 3300L	Electronics Laboratory (1)
EEL 3111	Introductory Circuit Analysis (3)
EEL 3112	Advanced Circuits with Computers (3)
EEL 3112L	Advanced Circuits with Computers Laboratory (1)
EEL 3135	Signal and Linear Systems Analysis (3)
EEL 3705	Digital Logic Design (3)
EEL 3705L	Digital Logic Laboratory (1)
EEL 4021	Statistical Topics in Electrical Engineering (3)
EEL 4515	Digital Communication Systems (3)
EEL 4746	Microprocessor-Based System Design (3)
EEL 4746L	Microprocessor-Based System Design Laboratory (1)
EEL 4905	Directed Individual Study (Taken as: ECE Engineering Tools Lab) (1)
EEL 4911C	Senior Design Project I (3)
EEL 4915C	Electrical Engineering Senior Design Project II (3)

OR

EEL 4914C	Computer Engineering Senior Design Project II (3)
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Requirements for a Major in Electrical Engineering

Students majoring in electrical engineering require one hundred twenty-eight semester credit hours to graduate, of which one hundred three hours are common required courses listed above, three semester hours of required electrical engineering courses: EEL 3472 Electromagnetic Fields I (3), twelve semester hours are required Tier-2 electrical engineering courses, and ten semester hours are technical elective courses.

All electrical engineering majors are required to complete four of the following six Tier-2 courses:

EEE 4351	Solid-State Electronic Devices (3)
EEL 3216	Fundamentals of Power Systems (3)
EEL 3473	Electromagnetic Fields II (3)
EEL 4652	Analysis and Design of Control Systems (3)
EEL 4710	Introduction to Field Programmable Logic Devices (3)
EEL 4510	Digital Signal Processing (3)

Technical Electives for Electrical Engineering Major

- One semester hour must be an electrical engineering (EE) laboratory elective
- Six semester hours must be EE technical electives
- Three hours may be an EE technical elective or a non-EE technical elective

The non-EE technical elective must be selected from a list of departmentally approved courses offered by other departments at Florida State University. Courses not on the list may be taken with prior approval of the department.

Requirements for a Major in Computer Engineering

Students majoring in computer engineering require one hundred twenty-eight semester credit hours to graduate, of which one hundred three hours are common required courses listed above. The other twenty-five semester credit hours include thirteen semester hours of computer science courses (listed

below); six semester hours of required computer engineering courses: EEL 4710 Introduction to Field Programmable Logic Devices (3), and EEL 4713 Computer Architecture (3); and six semester hours of technical electives.

Required Computer Science Courses (thirteen semester hours)

COP 3330	Object Oriented Programming (3)
COP 3353	Introduction to UNIX (1)
COP 4530	Data Structures, Algorithms and Generic Programming (3)
COP 4610	Operating Systems and Concurrent Programming (3)
MAD 2104	Discrete Mathematics I (3)

For a current list of technical electives for the computer engineering major, contact the department.

Requirements for a Dual Major in Electrical Engineering and Computer Engineering

Students dual-majoring in electrical engineering and computer engineering must take the common required courses (one-hundred three semester hours), required CS courses (thirteen semester hours), the required electrical engineering course: EEL 3472, and the required computer engineering courses: EEL 4710 and EEL 4713 (each three semester hours), plus sixteen semester hours of electrical engineering Tier-2 courses, technical electives, and special requirements.

Tier-2 Courses, Technical Electives, and Special Requirements for a Dual Major

- One semester hour must be an electrical engineering (EE) laboratory elective
- Nine semester hours must be three required Tier-2 electrical engineering courses
- Six semester hours must be two electrical engineering technical elective courses
- Three semester hours must be a second senior design project laboratory approved by the department.

With the adoption of ABET EC-2000 policies, program requirements, educational objectives, course content and offerings, and departmental policies are subject to periodic revision and change. Students are **strongly** urged to obtain current information from their academic adviser, the academic coordinator, or by visiting the departmental Web site at <http://www.eng.fsu.edu/ece>.

Academic Requirements and Policies

In accordance with ABET criteria, all engineering students are subject to a uniform set of academic requirements agreed to by Florida A&M University and Florida State University. These requirements have been established to ensure that program graduates receive a quality education and make reasonable progress toward satisfying engineering major degree requirements. Students are directed to the "FAMU-FSU College of Engineering" chapter of this *General Bulletin* and the departmental Web site (<http://www.eng.fsu.edu/ece>) for a list of all academic requirements and policies.

ECE Course Prerequisite Requirement

In addition to the college course prerequisite requirements, the Department of Electrical and Computer Engineering requires students to have obtained a grade in the range of "C" in all courses listed as prerequisites for the department's engineering core courses.

Definition of Prefixes

EEE—Engineering: Electrical and Electronic

EEL—Engineering: Electrical

Undergraduate Courses

EEE 3300. Electronics (3). Prerequisite: EEL 3112. This course covers diode models and circuits, DC biasing of bipolar-junction and field-effect transistors, small- and large-signal transistor models, and frequency analysis of single-stage AC amplifiers.

EEE 3300L. Electronics Laboratory (1). Prerequisites: EEL 3112 and EEL 3112L. Corequisite: EEE 3300. This laboratory supports EEE 3300, Electronics.

EEE 4301. Electronic Circuits and Systems Design (3). Prerequisites: EEE 3300 and EEE 3300L. This course uses computer-aided design programs and covers multistage amplifier analysis and design. The course focuses on feedback and operational amplifiers, A-to-D and D-to-A converters, and waveshaping and waveforming generators, including oscillators, voltage regulators, and power circuits.

EEE 4301L. Electronic Circuits and Systems Laboratory (1). Prerequisites: EEE 3300 and EEE 3300L. This is an advanced electronic laboratory.

EEE 4313. Introduction to Digital Integrated Circuit Design (3). Prerequisite: EEE 3300. This course covers semiconductor device physics, digital-logic fundamentals, static-inverter analysis, static logic-gate analysis, dynamic-switching analysis, and combinational - logic design.

EEE 4330. Microelectronics Engineering (3). Prerequisites: EEE 3300 and EEE 3300L. This course covers design and fabrication of solid-state devices. Topics include oxidation, diffusion, metallization, photolithography, and device characterization.

EEE 4351. Solid-State Electronic Devices (3). Prerequisites: EEE 3300 and EEE 3300L. This course covers solid-state physics as applied to electronic devices. The course focuses on semiconductor materials, conduction process in solids, device fabrication, diffusion processes, and negative conduction devices.

EEE 4363. Feedback Amplifier Principles (3). Prerequisite: EEE 3300. This course introduces basic concepts of multi-stage audio-frequency amplifiers, including feedback and stability principles and power-supply criteria.

EEE 4376C. Introduction to Analog IC Design (3). Prerequisite: EEE 4301. This course covers the design and analysis of bipolar and MOS analog integrated circuits. The course focuses on operational amplifier design, analog multipliers, active loads, current sources, and active filters.

EEE 4377. Mixed Signal ICs (3). Prerequisite: EEL 4313 or EEL 4376C. This course introduces mixed-signal processing using analog and digital integrated circuits. The course focuses on fundamentals of sampled data systems, nonlinear and dynamic analog circuits, Nyquist-rate data converters, over-sampling data converters and digital filters, as well as the use of computer-aided design programs.

EEE 4450. Modeling and Simulation of Semiconductor Devices (3). Prerequisite: EEE 3300. This course covers various numerical techniques for the modeling and simulation of semiconductor devices, such as pn-junctions, metal-oxide semiconductor contacts, metal-oxide-semiconductor field effect transistors, and bipolar devices. Special emphasis is on the description and simulation of electron and hole transport in semiconductor devices.

EEE 4514. Principles of Communications Systems (3). Prerequisite: EEL 3135. This course offers an introduction to Fourier analysis of noise and signals; information transmission; modulation techniques; AM, FM, and pulse; as well as analog multiplexing.

EEL 3003. Introduction to Electrical Engineering (3). Prerequisites: MAC 2312 and PHY 2049C. This course is an introduction to electrical engineering concepts for non-electrical engineering majors. Covers a broad range of topics including basic circuit theory, semiconductor devices, instrumentation, amplifiers, and machines. Not accepted for credit toward BSEE and BScPE.

EEL 3003L. Introduction to Electrical Engineering Laboratory (1). Prerequisites: MAC 2312 and PHY 2049C. Corequisite: EEL 3003. This laboratory supports EEL 3003. Must be taken concurrently with first enrollment in EEL 3003. Must be dropped if EEL 3003 is dropped.

EEL 3111. Introductory Circuit Analysis (3). Prerequisite: MAC 2312. Corequisites: MAC 2313 and PHY 2049C. This course explores topics such as current, voltage, and power; resistors, inductors, and capacitors; network theorems and laws; operational amplifiers, phasors; impedances; sinusoidal steady-state analysis.

EEL 3112. Advanced Circuits with Computers (3). Prerequisite: EEL 3111. Corequisite: MAP 3305 or MAP 2302. This course examines sinusoidal steady-state power analysis; three-phase circuits; transient and forced response; frequency response; two-port networks; circuit analysis with computers.

EEL 3112L. Advanced Circuits with Computers Laboratory (1). Prerequisite: EEL 3111. Corequisite: EEL 3112. This lab includes instrumentation and measuring techniques; current, voltage, and power measurements; response of passive circuits; AC and DC design; computer application.

EEL 3135. Signal and Linear System Analysis (3). Prerequisite: MAP 3305 or MAP 2302. Corequisite: EEL 3112. This course focuses on the classification and representation of signals and systems; Laplace transform; Z-transform; convolution; state variable techniques; stability and feedback.

EEL 3216. Fundamentals of Power Systems (3). Prerequisite: EEL 3112. This course is an introduction to the fundamentals of energy conversion; structure of power systems; and power system components: transformers, rotating machines, and transmission lines. The operation and analysis of power systems are presented.

EEL 3472. Electromagnetic Fields I (3). Prerequisites: EEL 3112, MAP 2302 or MAP 3305, MAS 3105 or MAP 3306, and PHY 2049C. This course explores electrostatic field—Gauss's law; boundary conditions; capacitance; Laplace's and Poisson's equations; energy, forces, and torques. The steady electric current. The magnetostatic field-vector potential; Ampere's and Biot-Stavart laws; inductance; energy, forces, and torques. Quasistatic fields; electromagnetic induction.

EEL 3473. Electromagnetic Fields II (3). Prerequisite: EEL 3472. This course explores topics such as Maxwell's equations, plane electromagnetic waves, group velocity, polarization, Poynting vector, boundary conditions, reflection and refraction of plane waves, skin effect, transmission line analysis, impedance matching, wave guides and cavity resonators, fundamentals of radiation and antennas.

EEL 3512. Introduction to Communications (3). Prerequisites: EEL 3112, EEL 3135, and MAP 3306 or MAS 3105. This course discusses topics such as signal analysis, Fourier series/Fourier transform, sampling theorem, distortions and attenuation in signal transmission, and analog modulation AM, FM, pulse modulation, pulse-code modulation, and pulse shaping.

EEL 3705. Digital Logic Design (3). Prerequisite: COP 3014. This course covers fundamental topics in digital logic design, algorithms, computer organization, assembly-language programming, and computer engineering technology.

EEL 3705L. Digital Logic Laboratory (1). Prerequisite: COP 3014. Corequisite: EEL 3705. This laboratory supports EEL 3705.

EEL 3949r. Cooperative Work Experience (0). (S/U grade only.) Prerequisite: Instructor permission. This non-credit, experiential learning course offers students an opportunity to gain "real world" on-the-job work experience related to a specific academic field of study. Students must register for this course through the FSU Career Center.

EEL 4021. Statistical Topics in Electrical Engineering (3). Prerequisites: EEL 3112 and MAP 3306 or MAS 3105. This course examines the use of probability and statistical concepts in electrical engineering applications. Elementary probability—sets, sample spaces, axioms, joint and conditional probability. Random variables—distribution and density functions. Operations in random variables—expectation, moments, transformation of random variables. Introduction to random processes. Multiple random variables. Elements of statistics: parameter estimation and hypothesis testing.

EEL 4113. Advanced Linear Networks (3). Prerequisite: EEL 3135. This course explores topics such as synthesis of LC one-port networks, synthesis of LC two-port networks; operational amplifier applications; active filters; approximation methods; switched-capacitor filters.

EEL 4213. Power Systems I (3). Prerequisite: EEL 3216. This course focuses on the analysis of electric power systems using system modeling for large-scale power networks; admittance and impedance matrix formation; power flow; optimal dispatch; symmetrical components; balanced and unbalanced fault analysis; and transient stability studies.

EEL 4217L. Power and Energy Lab (1). Prerequisite: EEL 3216. This course is intended to give the student practical experience with motors, generators, transformers and power system instrumentation equipment. Students learn the principles of electromechanical energy conversion by connecting, operating, and controlling induction, synchronous, and dc machines. Transport of electrical energy through transmission lines is also explored.

EEL 4220. Electromechanical Dynamics (3). Prerequisites: EEL 3216 and EEL 3472. This course focuses on the study of magnetic circuits, electromagnetic torques, and induced voltages. Topics covered include induction motors, variable speed drives, Park's transforms, synchronous machines and generator controls, DC machines, controls, and drives.

EEL 4231. Converter Modeling and Control (3). Prerequisite: EEL 4243. This course provides a study of DC-AC and DC-DC converter modeling techniques and control schemes. Topics include averaged switch models, voltage-source and current-source converter models, current programmed control, and active filter control.

EEL 4243. Power Electronics (3). Prerequisites: EEE 3300 and EEL 3135. This course is designed to develop a basic understanding of using switched electronic circuits for the conversion and regulation of power. The course focuses on the basic converters and their steady state analysis. Dynamic modeling analysis, controller design, power semiconductor device, and simulation also are covered.

EEL 4244. Power Conversion and Control (3). Prerequisites: EEE 3300 and EEL 3112. This course introduces solid-state power conversion and control circuits, including analysis and design of nonlinear multiple-phase circuits with sinusoidal and non-sinusoidal variables; constant-frequency and variable-frequency input conversions; variable-frequency inverters; sensing and processing circuits supporting control systems; and embedded microprocessor control systems.

EEL 4280. Renewable Energy Generation I (3). This course is an introduction of renewable energy generation. Topics covered include smart grid system, hybrid electric vehicle, and grid-connected PV inverters. Emphasis is placed on the energy conversion techniques applied in the renewable energy source and energy storage elements.

EEL 4282. Renewable Energy Generation II (3). This course is an introduction of renewable energy generation. Topics covered include smart grid system, hybrid electric vehicle, and grid-connected PV inverters. Emphasis is placed on the energy conversion techniques applied in the renewable energy storage elements.

EEL 4415. Sonar (3). Prerequisites: EEL 3473 and EEL 3135. Corequisite: EEL 4021. This course introduces basic concepts of sonar systems including acoustic propagation, transducers and projectors, target strength, reverberation, beamsteering, beamforming, beampatterns, and synthetic aperture sonar.

EEL 4435L. Electromagnetics Laboratory (1). Prerequisite: EEL 3473. This course focuses on the applications of electromagnetic field theory. Experiments include field mapping, transmission lines, spectrum analysis, impedance matching, waveguides, antennas, radar, and fiber optics.

EEL 4440. Optoelectronics and Optical Systems (3). Prerequisites: EEE 3300 and EEL 3473. This course examines the theory and applications of optical techniques in modern electronics and communications. Includes a study of optical fibers, sources, detectors, optical communication systems, integrated optics, holography, and principles of optical signal processing.

EEL 4452. Optical Sensors (3). Prerequisite: EEL 3473. This course examines the basic concepts of optical sensors and essential optics. Topics include intensity, phase, and frequency modulated optical fiber sensors and their applications, distributive sensing systems, and optical fibers in signal processing.

EEL 4461. Antenna Systems (3). Prerequisite: EEL 3473. This course covers topics such as antenna theory, including Hertzian dipoles, thin linear antennas, aperture antennas, arrays, loop antenna, slots, horns, and waveguides.

EEL 4510. Digital Signal Processing (3). Prerequisite: EEL 3135. This course covers topics such as sinusoids, periodic signals, and Fourier spectra. Sampling of continuous-time signals, aliasing. Impulse response of linear, discrete-time systems, convolution. FIR filters and implementation. Frequency response of FIR filters. Z-transforms. IIR filters, poles and zeros, frequency response. Realization of IIR filters. Discrete Fourier transform and the FFT algorithm. MATLAB exercises are assigned.

EEL 4515. Digital Communication Systems (3). Prerequisite: EEL 3135. Corequisite: EEL 4021. This course covers topics such as sampling principle, spectral analysis of digital waveforms and noise, pulse and digital transmission systems, digital multiplexing, error probabilities, and system performance.

EEL 4540. Radar (3). Prerequisites: EEL 3473 and EEL 3135. Corequisite: EEL 4021. This course examines basic concepts of radar systems including radar range equation, radar cross-section calculations, random processes and noise, array antennas, beamsteering, doppler and range processing, FM and CW systems, pulse compression, synthetic aperture radar, and clutter.

EEL 4566. Optical Fiber Communications (3). Prerequisites: EEL 3473 and EEL 3135. Corequisite: EEL 4021. This course offers a review of the characteristics of basic optical components for optical communications systems. Topics include optical fibers, light sources, optical detectors and fiber connectors; signal degradation in optical fibers, optical analog and digital communication systems; and coherent optical fiber communications.

EEL 4595. Wireless Communications and Networking (3). Prerequisites: COP 3014 or equivalent, EEL 3135, and EEL 4021. This course covers the fundamentals of wireless communications and systems. The core topics include radio-wave propagation characteristics of wireless channels; modulation and demodulation techniques for mobile radio; reception techniques for wireless systems; fundamentals of cellular communications; multiple access techniques; wireless networking; and hybrid networking of a wireless system and the Internet.

EEL 4596. Advanced Topics in Communications (3). Prerequisites: EEL 3135, EEL 4515 and EEL 4021. This course is designed to provide an in-depth knowledge of some of the advanced topics in communications. Topics covered include ideal communication systems, signal to noise ratio (S/N) for amplitude and angle modulation, design of systems to improve S/N ratio, satellite communication, and mobile communication.

EEL 4652. Analysis and Design of Control Systems (3). Prerequisite: EEL 3135. This course focuses on continuous system modeling; stability of linear systems; frequency response methods; the root locus method; state-space methods.

EEL 4710. Introduction to Field Programmable Logic Devices (3). Prerequisites: EEL 3705 and EEL 3705L. This course offers an overview of programmable logic devices, complex programmable logic devices, and field-programmable gate-array devices. The course offers an introduction to hardware description languages (HDLs); combinational, sequential, and finite-state machine design using HDLs; as well as top-down methodologies.

EEL 4713. Computer Architecture (3). Prerequisites: COP 3014 and EEL 4746. This course examines how modern computer architectures are presented by studying how the relationships between hardware and software impact performance, machine language definition, processor data path and control designs, interfacing, and advanced topics, such as caching and pipelining.

EEL 4727. Digital Signal Processing with Field Programmable Gate Arrays (3). Prerequisite: EEL 4710. This course is a review of Field Programmable Gate Arrays (FPGAs), HDL, mathematics, signals and systems. Computer arithmetic concepts, DSP system design of FIR filters, IIR filters, DFT, FFT, and wavelets filter banks are also covered.

EEL 4746. Microprocessor-Based System Design (3). Prerequisites: EEL 3705 and EEL 3705L. This course explores fundamental topics in basic computer design, structured assembly-language software design, RTL, CPU design, pipelining and superscaling, computer arithmetic, memory and I/O organization and interface, cache, and design tools.

EEL 4746L. Microprocessor-Based System Design Laboratory (1). Prerequisites: EEL 3705 and EEL 3705L. Corequisite: EEL 4746. This laboratory focuses on software development, hardware projects, and experiments in support of EEL 4746.

EEL 4748. Embedded Microcomputer Design Project (3). Prerequisites: EEL 4746 and EEL 4746L. This course allows students to work on individual projects selected with consent of instructor. Selected lectures and an open-door Motorola 68000 laboratory.

EEL 4810. Introduction to Neural Networks (3). Prerequisites: EEE 3300 and EEL 3135. This course covers fundamentals of neural networks: dynamical systems, associative memories, perceptrons, supervised/unsupervised learning algorithms. Applications in signal processing, pattern recognition, control, optimization, and communications.

EEL 4905r. Directed Individual Study (1-3). Prerequisites: Junior standing and "B" average in electrical engineering courses. Normally may be repeated to a maximum of six semester hours. Requires department approval.

EEL 4906r. Honors Work in Electrical Engineering (1-6). Prerequisite: Admission to the honors program. This course consists of independent or directed research in a specialized area beyond the current curriculum in electrical engineering. May be repeated to a maximum of nine semester hours.

EEL 4911C. Senior Design Project I (3). Prerequisite: Department permission. This course exposes senior students to concepts in design, project management, engineering team organization, and professionalism. Students are grouped into design teams where these principles are put into practice in organizing, proposing, and developing an engineering project. Periodic written reports and oral presentations and a final written proposal are required. The lecture material and texts provide instructions on project management, ethics, and design skills.

EEL 4914C. Computer Engineering Senior Design Project II (3). Prerequisite: EEL 4911C. This course allows senior students to work in teams to propose, design, build, and test computer engineering devices or systems under the direction of a faculty member. Open-ended design experience with a practical problem applies a broad spectrum of engineering knowledge. Periodic written reports and oral presentations and a final written report are required. The lecture material and texts provide instructions on general project execution, technical writing, and engineering economics.

EEL 4915C. Electrical Engineering Senior Design Project II (3). Prerequisite: EEL 4911C. This course allows senior students to work in teams to propose, design, build, and test electrical engineering devices or systems under the direction of a faculty member. Open-ended design experience with a practical problem applies a broad spectrum of engineering knowledge. Periodic written reports and oral presentations and a final written report are required. The lecture material and texts provide instructions on general project execution, technical writing, and engineering economics.

EEL 4930r. Special Topics in Electrical Engineering (1-3). Prerequisite: Instructor permission. This course covers special topics in electrical engineering with emphasis on recent developments. Topics and credit vary; consult the instructor. May be repeated to a maximum of twelve semester hours.

Graduate Courses

- EEE 5280. Biomimetic Systems Theory (3).
 EEE 5315. Digital Integrated Circuit Design (3).
 EEE 5317. Power Electronics (3).
 EEE 5333. Solid State Sensors (3).
 EEE 5378. Mixed Signal ICs (3).
 EEE 5452. Analysis of Quantum Scale Semiconductor Devices (3).
 EEE 6353. Semiconductor Device Theory (3).
 EEL 5025. Computational Electrical Engineering (3).
 EEL 5173. Signal and System Analysis (3).
 EEL 5247. Power Conversion and Control (3).
 EEL 5250. Power Systems Analysis (3).
 EEL 5270. Power System Transients (3).
 EEL 5285. Renewable Energy Generation I (3).
 EEL 5286. Renewable Energy Generation II (3).
 EEL 5416. Sonar (3).
 EEL 5426. RF/Microwave Circuits I (3).
 EEL 5427. RF/Microwave Circuits II (3).
 EEL 5454. Optical Sensors (3).
 EEL 5465. Antenna Theory (3).
 EEL 5486. Advanced Electromagnetic Theory (3).
 EEL 5500. Digital Communication Theory (3).
 EEL 5542. Random Processes (3).
 EEL 5547. Radar (3).
 EEL 5563. Optical Fiber Communications (3).
 EEL 5590. Advanced Topics in Communication (3).
 EEL 5591. Wireless Communications and Networking (3).
 EEL 5667. Robot Kinematics and Dynamics (3).
 EEL 5707. ASIC Systems Design I (3).
 EEL 5722. Digital Signal Processing with Field Programmable Gate Arrays (3).
 EEL 5764. Computer System Architecture (3).
 EEL 5784. Computer Network Design and Analysis (3).
 EEL 5812. Advanced Neural Networks (3).
 EEL 5905r. Directed Individual Study (1-3).
 EEL 5910r. Supervised Research (1-5). (S/U grade only.)
 EEL 5930r. Special Topics in Electrical Engineering (3).
 EEL 5940r. Supervised Teaching (1-5). (S/U grade only.)
 EEL 6237. Modern AC Drivers (3).
 EEL 6266. Power Systems Operation and Control (3).
 EEL 6502. Digital Signal Processing I (3).
 EEL 6905r. Directed Individual Study (1-9).
 EEL 6930r. Special Graduate Topics in Electrical Engineering (3).
 EEL 6932r. Electrical and Computer Engineering Seminar (0).

For listings relating to the master's and doctoral programs in electrical engineering, consult the *Graduate Bulletin*.

**ELEMENTARY EDUCATION:
 see Childhood Education, Reading, and Disability Services**

Department of ENGLISH

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://www.english.fsu.edu/>

Chair: R. M. Berry; **Francis Eppes Professor:** Robert Olen Butler; **William Hudson Rogers Professor:** TBA; **Bertram H. Davis Professor:** Bruce Boehrer; **Janet Burroway Professor:** Mark Winegardner; **Robert O. Lawton Professors:** S. E. Gontarski, David Kirby; **George Matthew Edgar Professor:** Gary Taylor; **Kellogg Hunt Professor:** Kathleen Yancey; **Professors:** Berry, Burke, Coldiron, Daileader, Faulk, Fleckenstein, Goodman, Johnson, McGregory, Montgomery, O'Rourke, Parrish, Roberts, Spiller, E. Stuckey-French, Suarez, Walker; **Associate Professors:** Belieu, Epstein, Gants, Gardner, Ikard, Kennedy, Kimbrell, Laughlin, Moore, Neal, Saladin, N. Stuckey-French, Vitkus, Ward; **Assistant Professors:** Cruet, Fyfe, Gaines, Lathan; **Professors Emeriti:** Bickley, Burroway, Fenstermaker, Lhamon, Standley

The Department of English offers students a curriculum that is central to the modern liberal arts education. One of the largest degree programs in the College of Arts and Sciences, the undergraduate major in English allows students to emphasize literature; creative writing; or editing, writing, and media. Students may also pursue other specialized programs such as honors in the major, an English major with an emphasis in business, or Directed Independent Studies. In addition to its primary benefits to intellectual growth, the English major also offers practical preparation for professional careers in teaching, professional writing, law, business, religious affairs, and all levels of government service: local, state, and federal.

The study of literature includes not only contemporary texts but also all the historical periods of British, American, and other literature. In addition to familiar period or major authors courses such as the Victorian novel or Chaucer, students will also find courses in related subjects such as linguistics, popular culture, gender studies, multiethnic literature, folklore, postcolonial literature, modern European fiction, and literary theory. All of these courses contribute to the student's knowledge of human culture and how literary texts as cultural artifacts relate to other bodies of human knowledge such as philosophy, history, religion, psychology, classics, and modern languages.

The study of creative writing allows students to work not only in the familiar genres of poetry, fiction, drama, and the essay, but also to study related subjects such as rhetoric and composition theory. Students may also study the editorial and publishing process and take up internships in editing and publishing in a variety of settings.

The study of editing, writing, and media engages students in the history, theories, and practices of textual formation. It provides writing-intensive courses focusing on the practical aspects of new media and print composition. Students also study the history of textuality as well as hands-on courses in visual rhetoric, editing, and publishing.

The English honors program, traditionally the largest in the University, invites the very best students to supplement regular major work with specialized seminars and independent thesis work.

A variety of activities and facilities are available to all majors. Two literary magazines, *Kudzu Review* and *The Southeast Review*, are published in the department. Many students gain journalistic experience by writing for the independent campus newspaper, the *FSView & Florida Flambeau*. The department sponsors a year-long visiting writers series that brings twelve to fourteen writers and scholars to campus each year. The English department, in conjunction with the campus-wide Seven Days of Opening Nights program, also promotes headline writers, such as John Updike and Amy Tan. There are two computer classrooms that house computer-assisted writing instruction, and seminar rooms that are equipped with smartboards. All majors with a GPA above 3.0 are eligible to apply for membership in **Lambda Iota Tau**, the local chapter of a national literary honor society, which sponsors a variety of social events and career programs.

The department annually recognizes outstanding achievement with the following awards and honors: the Fred L. Standley Award for Undergraduate Excellence in English, the George Harper Award for Outstanding Essay Writing, the Betty Corry Award for Outstanding Undergraduate Creative Writing, the Cody Harris Allen Undergraduate Writing Award, the John MacKay Shaw Academy of American Poets Award, the George Yost Essay Award, and the Mart P. and Louis Hill English Honors Thesis Award.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the

courses needed to satisfy this requirement. Undergraduate majors in English satisfy this requirement by earning a grade of “C–” or higher in CGS 2060, CGS 2064, CGS 2100, CGS 2518, or EME 2040.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.ftvc.org/ftvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. ENC X101 and ENC X102, or ENC XXXX: English courses for a total of six credit hours in which the student is required to demonstrate college-level English skills through multiple assignments

Note: A “C–” grade or better is required for all coursework.

College Requirements

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this *General Bulletin*.

Prerequisites for the Major

In order to satisfy prerequisites for the English major, students must accomplish the following:

1. Completion of at least fifty-two semester hours of acceptable college credit with an overall GPA of at least 2.0
2. Satisfactory completion (“C–” or better) of all courses necessary for the writing requirement (State Board of Education Rule 6A-10.030).

Requirements for a Major in English

General Requirements: Thirty-three semester hours of English in courses at the 2000 level and above. At least twenty-one semester hours must be in courses at the 3000 and 4000 levels, including at least nine semester hours at the 4000 level. Honors thesis hours may be applied toward the Bachelor of Arts (BA) degree, but only three semester hours will be accepted for major credit. One English course used to satisfy the humanities requirement for liberal studies may be counted as part of the major. All courses counted toward the major must carry the grade of “C–” or better. **A minor in another department is also required;** all courses counted toward the minor also must carry the grade of “C–” or better.

Each student will choose one of the following areas:

1. **Concentration in Literature**
 - a. Three semester hours in ENG 3014 Critical Issues in Literary Studies (must be taken before student reaches ninety semester hours)
 - b. **Literature Courses:** At least eighteen semester hours of literature courses at the 3000 or 4000 level. Specifically required are:
 - i. Three semester hours in American literature at the 3000 or 4000 level
 - ii. Six semester hours in British literature before 1800, including at least three semester hours before 1660, at the 3000 or 4000 level
 - iii. Three semester hours in British literature after 1800 at the 3000 or 4000 level
 - iv. Three semester hours in ENG 4934 Senior Seminar in Literature (must be taken after student reaches ninety semester hours)
 - v. Three semester hours in other literature courses at the 2000 level and above
 - c. **Electives:** Twelve semester hours in other English courses
2. **Concentration in Writing**
 - a. **Writing Courses:** Fifteen semester hours in at least two of the following categories, of which at least six semester hours shall be in 4000-level advanced writing workshop courses. Workshop courses with the “r” designation are repeatable with the instructor’s permission.
 - i. Article and Essay: ENC 3310, ENC 4311r; ENG 4020; ENC 4212, ENC 4500, ENC 4942r
 - ii. Fiction: CRW 3110, CRW 4120r
 - iii. Poetry: CRW 3311, CRW 4320r

iv. Drama: CRW 3410, CRW 4420r

- b. **Literature Courses:** Fifteen semester hours of literature, of which at least three semester hours shall be in British literature before 1900 at the 3000 or 4000 level
 - c. **Electives:** Three semester hours in other English courses at the 2000 level and above
3. **Concentration in Editing, Writing, and Media**
 - a. **Nine semester hours in three core courses:** ENC 3021: Rhetoric, ENC 3416: Writing and Editing in Print and Online, ENG 3803: History of Text Technologies.
 - b. **Nine semester hours of advanced courses.**
 - i. ENC 4218: Visual Rhetoric in the Digital Age
 - ii. ENG 4834: Issues in Publishing
 - iii. ENC 4212: Editing: Manuscripts, Documents, Reports
 - iv. ENG 4020: Rhetorical Theory and Practice
 - v. ENG 3804: History of Illustrated Texts
 - vi. ENC 4404: Advanced Writing and Editing
 - vii. ENG 4815: What is a Text?
 - c. **Three hours Internship in Editing** (ENC 4942)
 - d. **Twelve hours English electives, at the 3000 or 4000 level**
 4. **Concentration in English Studies**

Students desiring to structure their own concentrations may propose a coherent program emphasizing, for example, a period, a genre, a theme, theory and criticism, or a combination of areas such as popular culture and film. The proposal, formulated in close consultation with and approved by the DUS, should include a total of at least twenty-four semester hours at the 3000 and 4000 levels (nine of these twenty-four semester hours must be at the 4000 level in English and nine may be in relevant courses outside the department). To be eligible for the concentration in English studies, students must have at least a 3.0 cumulative GPA.

Honors in the Major

The Department of English offers honors in the major to encourage talented students to undertake independent research through two special seminars and two semesters of thesis work. For requirements and other information, see the “University Honors Office and Honor Societies” chapter of this *General Bulletin* and the Director of Undergraduate Studies in English.

English Major with an Emphasis in Business

This program is designed for those students who are interested in a liberal education that will at the same time give them maximum preparation for a business career. The curriculum combines extensive training in the broad field of the liberal arts with specialized training in the field of business. At the end of four years the student graduates with a Bachelor of Arts (BA) degree with a major in English and an emphasis in business. Students pursuing this program will meet the requirements of the English major and take a specified number of hours in business, normally thirty semester hours. For a list of the business courses required and other information concerning the program, the student should contact the Director of Undergraduate Studies in English or the departmental academic advisers. This program, emphasis in business, is in contrast to the eighteen semester hours that constitute a minor in business for arts and sciences majors.

Requirements for a Minor in English

Minor: At least twelve semester hours in English courses numbered above 1999. Students must have at least a “C–” average in the minor.

Definition of Prefixes

AML—American Literature
CRW—Creative Writing
ENC—English Composition
ENG—English: General
ENL—English Literature
LAE—Language Arts and English Education
LIN—Linguistics
LIT—Literature
REA—Reading

Undergraduate Courses

AML 2010. American Authors to 1875 (3). This course covers important writings by representative American authors from the colonial period through the post-Civil War era. Typically included are Franklin, Irving, Emerson, Thoreau, Poe, Hawthorne, Melville, Whitman, Douglass, and Emily Dickinson.

AML 2600. Introduction to African-American Literature (3). This course offers a survey of the canonical works of African-Americans, typically including Douglass, Chesnut, Hurston, Wright, Ellison, Baldwin, Morrison, and Walker.

AML 3041. American Authors Since 1875 (3). This course covers significant works by representative Realists, Literary Naturalists, Modernists, and contemporary writers. Authors typically covered include Twain, James, Crane, Chopin, Eliot, Hemingway, Frost, Fitzgerald, Faulkner, Wright, Baldwin, Morrison, and O'Connor.

AML 3311. Major Figures in American Literature (3). This course examines selected works of major American writers.

AML 3630. Latino/a Literature in English (3). This course offers an introduction to landmark Latino/a works written in English.

AML 3673. Asian American Literature (3). This course introduces students to selected works of Asian American literature, focusing on Asian Indian, Pacific Islander, Filipino, Chinese, Japanese, Cambodian, and Vietnamese American writers. Common topics include issues of diaspora, dislocation, and cross-culturality.

AML 3682. American Multi-Ethnic Literature (3). This course introduces cross-cultural literary traditions, looking at historical rationales and interconnections among communities as well as vital differences.

AML 4111. The 19th-Century American Novel (3). This course covers from Brown and Cooper to Hawthorne, Melville, Twain, and Crane.

AML 4121. The 20th-Century American Novel (3). This course typically covers Dreiser, Dos Passos, Fitzgerald, Hemingway, Faulkner, Bellow, and Wright.

AML 4213. Early American Literature and Culture before 1800 (3). Suggested Prerequisite: AML 2010. This course focuses on varying topics in pre-1800 American literature and culture, such as exploration and captivity narratives, Native American literature, the Puritan tradition, the enlightenment and revolutionary eras in America, the trans- and circum-Atlantic world, the slave trade, early-American print culture (including the novel), gender studies, and/or selected authors.

AML 4261. Literature of the South (3). This course offers a survey from Colonial times to the present, including Byrd, Poe, Simms, Cable, Faulkner, Warren, O'Connor, and others.

AML 4604. The African-American Literary Tradition (3). This course examines selected works by major African-American writers.

AML 4680r. Studies in Ethnic Literature (3). This course is an advanced study offering a survey of a particular ethnic literary tradition and adopting a cultural studies model. May be repeated up to a maximum of twenty-four semester hours.

CRW 3110. Fiction Technique (3). This course is an analysis of and exercises in the elements of fiction: point of view, conflict, characterization, tone, and image.

CRW 3311. Poetic Technique (3). This course is for aspiring poets and critics. The course studies the elements of poetry with some practice in writing poetry.

CRW 3410. Dramatic Technique (3). This course is an introduction to playwriting, with emphasis on the relation of the written drama to production. Both published plays and student work are analyzed.

CRW 4120r. Fiction Workshop (3). Prerequisite: Instructor permission. This course enables practice in short story, novella, or novel. Students are expected to work toward submission and publication of manuscripts. May be repeated for a total of twenty-four hours credit.

CRW 4320r. Poetry Workshop (3). Prerequisite: Instructor permission. This course is for poets who approach excellence and aspire toward publication. May be repeated for a total of twenty-four hours credit.

CRW 4420r. Drama Workshop (3). Prerequisite: Instructor permission. This course allows students to write, revise, and prepare for submission a one to three-act play; playing time: not less than one hour. May be repeated to a maximum of twenty-four semester hours.

ENC 1101. Freshman Composition and Rhetoric (3). This course includes drafting and writing of expository essays and a journal for a total of 7,000 words. May not be taken by students with credit in ENC 1149. No auditors.

ENC 1102. Freshman Writing, Reading, and Research (3). Prerequisite: ENC 1101 or ENC 1149. This course includes reading, research, drafting, and writing of essays and a journal for a total of 7,000 words. No auditors.

ENC 1121. Freshman Composition and Rhetoric: Honors (3). This accelerated course is designed for honors students. Therefore, their level of performance is expected to exceed the level attained by students in ENC 1101. Enrollment through the honors program.

ENC 1122. Freshman Writing About Literature: Honors (3). This course, as a literature-based composition course, draws essay topics from selected short stories, drama, and poetry. This accelerated course is designed for honors students; thus, their level of performance is expected to exceed the level attained by students in ENC 1102. Enrollment through the honors program.

ENC 1142. Freshman Imaginative Writing Workshop (3). Prerequisite: ENC 1101 or ENC 1149. This course includes freshman-level creative writing with some critical analysis of literature; emphasizes workshop atmosphere with class participation. Workshops offered in both poetry and fiction. Written work totals 7,000 words. Should not be taken by students with final grades below "C" in ENC 1101. No auditors.

ENC 1144. Freshman Article and Essay Workshop (3). Prerequisite: ENC 1101 or ENC 1149. This course is designed to help students attain a level of competency in nonfiction prose beyond that attained in ENC 1101. Emphasizes workshop atmosphere with class participation. Written work totals 7,000 words. No auditors.

ENC 1145. Freshman Special Topics in Composition (3). Prerequisite: ENC 1101 or ENC 1149. This course includes freshman-level nonfiction prose writing on selected subjects for a total of 7,000 words. Topics vary. No auditors.

ENC 1905r. Improving College-Level Writing (1-3). (S/U grade only.) This course is an individualized program of instruction in writing, including CLAS skills. Open to students from all levels and major areas. May be repeated for a maximum of three semester hours.

ENC 3021. Rhetoric (3). This course introduces students to key concepts in the study of rhetoric; to frameworks useful for the analysis of texts, events, communication, and other phenomena; and to the principles of rhetoric in the contexts of many media and cultures.

ENC 3310. Article and Essay Technique (3). This course introduces students to the study and writing of nonfiction prose in a variety of modes, with emphasis on studying the elements of nonfiction prose and practice in the craft of writing.

ENC 3416. Writing and Editing in Print and Online (3). This course focuses on the principles of composing, especially across different composing spaces. Students create works in several different media, including (1) in print, (2) on the screen, and (3) for the network, while also learning how to edit the works deployed in each medium appropriately. In addition, students repurpose at least one of these works for another medium. Students conclude the course by creating a digital portfolio.

ENC 4212. Editing: Manuscripts, Documents, Reports (3). This course involves the actual editing of another's work, synthesizing another's ideas and data, structuring and clarifying.

ENC 4218. Visual Rhetoric (3). This course introduces students to the principles of visual rhetoric, especially as it is enacted across diverse media, shaped by multiple genres, and designed to achieve different goals with different audiences. Students will learn to analyze the rhetorical function of imagery, to use images to respond to and organize arguments, and to create images that operate rhetorically.

ENC 4311r. Advanced Article and Essay Workshop (3). Prerequisite: Instructor permission. This course is for writers who aspire toward publication. Writer-editor relationship between student and instructor. May be repeated to a maximum of twenty-four semester hours.

ENC 4352. Editing Workshop (3). This course explores the newsletter genre through analysis and production. Students read, respond to, and analyze a range of newsletter samples before engaging in the process of collaboratively designing, writing, and editing a newsletter that is disseminated digitally to its intended audience.

ENC 4404. Advanced Writing and Editing (3). This course provides advanced level work in diverse forms of writing and editing. Students read, write, and theorize about what it means to compose in multiple contexts: handwriting, print, and on the Web. Students compose and edit a diversity of texts to be shared with a wide range of audiences, the academic as well as the public.

ENC 4500. Theories of Composition (3). Prerequisites: ENC 3310 and instructor permission. This course is an examination of topics in the teaching of composition, including theories of the composing process, invention, revision, assigning, and evaluating student writing, and the relationship between writing and reading.

ENC 4942r. Internship in Editing (1-3). (S/U grade only.) Prerequisite: ENC 4212 recommended. This course provides practical experience in editing, public relations, and other forms of written communications. May be repeated to a maximum of six semester hours; only three hours apply to majors.

ENG 3010. Introduction to Literary Analysis (3). This course introduces students to the fundamental concepts and techniques of literary analysis. It is strongly recommended that students complete this course before taking any of the 3000- and 4000-level literature courses. This course provides students with the critical vocabulary and skills of close reading and interpretation needed to engage in the analysis of literary works. Students read a wide range of literary texts in fiction, poetry, drama, and nonfiction in order to learn how to engage in the process of literary interpretation and produce their own analyses of literary and cultural texts.

ENG 3014. Critical Issues in Literary Studies (3). This course is an introduction to the issues and debates that inform contemporary literary studies. Required course for English Literature concentration.

ENG 3310. Film Genres (3). This course discusses film as a means of exploring the problems of genre studies: relationship to literary genres, historical continuity, transformation of genre in the film medium.

ENG 3600. Hollywood Cinema (3). This course surveys central problems in the study of mainstream U.S. cinema. Topics include major historical developments, arguments over social and aesthetic value, and close examination of critically important films.

ENG 3803. History of Text Technologies (3). This course is an introduction to the history of the changing technologies that humans have used to record and transmit their experiences across time and space. It surveys the variety of forms this effort has taken, including tattoo, scroll, manuscript, print, illustration, musical notation, phonograph, photograph, film, and digital multimedia. Students investigate how such technologies have shaped the way we produce, transmit, and receive texts and other creative representations of human experience, as well as each technology's social and cultural conditions.

ENG 3804. History of Illustrated Texts (3). This course explores the relationship between image and word in different historical eras by examining various texts and media. Students read, respond to, and analyze a range of materials, which may include Medieval manuscripts and graphic novels. Finally, students produce an original composition involving the interplay of image and language.

ENG 3931r. Topics in English (1–3). May be repeated to a maximum of twenty-four semester hours.

ENG 4013. Literary Criticism (3). This course is a historical overview of critical texts that consider the nature of literature from antiquity to the early 20th century. Typically includes readings from Plato, Aristotle, Wroth, Dryden, Wollstonecraft, Wordsworth, Coleridge, Arnold, Eliot, and Woolf.

ENG 4020. Rhetorical Theory and Practice (3). Prerequisites: ENC 3310 and instructor permission. This course emphasizes contemporary developments in rhetoric and their applicability to writing. For upper-division students who intend to teach English composition.

ENG 4043. Contemporary Critical Theory (3). Prerequisite: Instructor permission. This course is an advanced study of crosscurrents in later 20th-century critical theory.

ENG 4115. Film Theory (3). This course considers centrally important theories of film from the 1920s work of Eisenstein through the 1970s “gaze” theories of Metz and Mulvey, to the present. The course emphasizes what distinguishes film from other arts as well as its socio-historical causes and consequences.

ENG 4815. What is a Text? (3). Prerequisites: 3000-level core courses in major and 4000-level coursework recommended. This course investigates the nature of textuality and its relationship to various media and technologies, while exploring theoretical and practical questions related to the production and reception of texts in a variety of different forms and media. Students read works in which textuality is broached as a topic, including multimedia texts, and also produce a final project in at least two different media.

ENG 4816. Introduction to Digital Humanities (3). This course gives students an introduction to the ongoing digital transformation of humanities scholarship, as well as applied introductory skills in the practice of digital humanities. Particular topics may vary, but each course taught under this number explores critically and practically one of several configurations of digital scholarship in the humanities today, including digital literary studies, humanities computing, digital cultural history, new media and network culture, virtuality and games, and digital curation. Students are introduced to the critical issues shaping any of the concentrations, and learn technical skills to interact with and produce work within the particular field.

ENG 4834. Issues in Publishing (3). Prerequisite: 3000-level core courses in the major recommended. This course explores a wide range of issues in the history and practice of publishing, editing, and the production and distribution of texts from the 20th and 21st century as well as from earlier historical periods. These issues include the book as object, the ethics of publishing, the history of reading, and censorship, as well as the rise of print culture. It also includes practical training, introducing students to the work that editors currently perform in magazine and book publishing.

ENG 4905r. Directed Individual Study (1–3). Topic to be approved by the director of undergraduate English studies. May be repeated to a maximum of twenty-four semester hours.

ENG 4932r. Studies in English (1–3). Topics vary. For senior majors and qualified students. May be repeated to a maximum of twenty-four semester hours.

ENG 4934. Senior Seminar in Literature (3). Prerequisites: Ninety semester hours of college work. Topics vary. Required for senior English majors concentrating in literature.

ENG 4936r. Honors Thesis (1–6). Prerequisites: Instructor permission and admission to the department’s honors-in-the-major program. The student takes two semesters of thesis work. May be repeated to a maximum of nine semester hours.

ENG 4938. Advanced Seminar in English (3). Prerequisite: Admission to the department’s honors-in-the-major program. The honors student takes two seminars. Permission required. May be repeated to a maximum of six semester hours.

ENL 2012. British Authors: Beginnings to 1790 (3). This course is a survey of English masterworks intended for students in liberal studies and those exploring a literature major. Among the authors typically considered are Chaucer, Shakespeare, and Milton.

ENL 2022. British Authors: Early Romanticism to the Present (3). This course is a survey of English masterworks intended for students in liberal studies and those exploring a literature major. Among the authors typically considered are Wordsworth, Dickens, and Conrad.

ENL 3184. British Drama: History, Text and Criticism (3). This course is an introduction to the history of the British drama and its current representation on the London stage. Students read and attend performances of plays from the major periods of British literary and dramatic history, from the Renaissance to the modern period.

ENL 3210. Medieval Literature in Translation (3). This course explores literature of the Anglo-Saxon and Anglo-Norman periods: Beowulf, Romance of the Rose, Sir Gawain and the Green Knight, and others.

ENL 3334. Introduction to Shakespeare (3). This course is an introduction to the study of Shakespeare at the college level. Consideration of representative works of comedy, history, tragedy, tragic-comedy drawn from throughout the playwright’s career.

ENL 3591. Renaissance Source Texts: Essential Reading in the Age of Shakespeare (3). This course focuses on the literary and cultural texts from the Greek, Roman, and later European traditions that were essential reading in the English Renaissance and that shaped literary culture in the age of Shakespeare. This course includes attention to the history of literary genres and to the history of reading. Authors studied may include: Homer, Virgil, Ovid, the Bible, Aristotle, Horace, Strabo, Lucretius, Plutarch, Seneca, Plautus, Augustine, Erasmus, della Mirandola, among others.

ENL 4112. The 18th-Century British Novel (3). This course typically includes Defoe, Richardson, Fielding, Sterne, Burney, and Radcliffe.

ENL 4122. The 19th-Century British Novel (3). This course typically includes Scott, Thackeray, Dickens, Trollope, Eliot, and Hardy.

ENL 4132. The Modern British Novel (3). This course typically includes Conrad, Lawrence, Joyce, Woolf, Greene, Spark, and Lessing.

ENL 4161. Renaissance Drama (3). This course focuses on the English drama by Shakespeare’s contemporaries and successors from Marlowe until the closing of the theatres in 1642.

ENL 4171. Restoration and 18th-Century Drama (3). This course includes representative plays of the period 1660–1800. May include plays by Dryden, Etherege, Wycherley, Otway, Congreve, Farquhar, Steele, Rowe, Gay, Fielding, Goldsmith, and Sheridan.

ENL 4218. Middle English Romance (3). This course is an introduction to the Medieval English romance tradition from its beginning with Geoffrey of Monmouth to Malory’s *Morte d’Arthur*.

ENL 4220. Renaissance Poetry and Prose (3). This course examines lyric poetry and prose from Wyatt and Spenser to Shakespeare and the metaphysicals: Donne, Herbert, Marvell, and Vaughan.

ENL 4230. Restoration and 18th-Century British Literature (3). This course studies British poetry and prose from 1660 to 1800.

ENL 4240. British Romantic Literature (3). This course studies poetry and prose from 1785 to 1832.

ENL 4251. Victorian British Literature (3). This course studies poetry and prose from 1830 to 1900.

ENL 4273. Modern British Literature (3). This course explores British poetry, fiction, and essays since 1900. Typically includes Hardy, Conrad, Joyce, Yeats, Lawrence, Woolf, Auden, and Lessing.

ENL 4311. Chaucer (3). This course focuses on the High Middle Ages in England seen through the perspective of the *Canterbury Tales* read in Middle English.

ENL 4333. Shakespeare (3). This course is a study of representative Shakespearean dramas and their relationship to the Renaissance. Typically may include attention to relevant contemporary intellectual, historical, and political movements.

ENL 4341. Milton (3). This course focuses on Milton’s life and works; emphasis on *Lycidas*, *Paradise Lost*, *Paradise Regained*, *Samson Agonistes*, and Milton’s important libertarian prose.

LIN 3010. Introduction to Language Study (3). This course covers the relationship between meaning, form, and sound in language, including language acquisition, dialects, and grammar.

LIT 2105. Introduction to Fiction (3). This course introduces students to such narrative elements as point of view, characterization, setting, theme, and symbolism in the works of longer prose fiction and provides an introduction to the basic interpretive skills necessary to conduct literary analysis.

LIT 2020. Introduction to the Short Story (3). This course covers tone, narration, form, and theme in representative short stories.

LIT 2030. Introduction to Poetry (3). This course engages students in the art of understanding and analyzing poetry as a genre by looking closely and critically at the forms, themes, techniques, and devices in selected poems from a variety of historical periods.

LIT 2081. Contemporary Literature (3). This course covers poetry, fiction, drama from WWI to the present. For beginning students.

LIT 2230. Introduction to Global Literature in English (3). This course is an introduction to English-language literature from countries that were former British colonies in Africa, Asia, and the Caribbean.

LIT 3043. Modern Drama (3). This course covers from O’Neill, Pirandello, Miller, and Theatre of the Absurd to the present.

LIT 3383. Women in Literature (3). This course is an examination of the representation of women in literature.

LIT 4013r. Studies in the Novel (3). This course focuses on varying topics in the novel as a genre from the beginnings of print culture through the contemporary period, with attention to texts of diverse national origins from the major traditions of the genre. This course also includes attention to both the history and theory of the genre. Authors studied may include: Cervantes, Diderot, Sterne, Flaubert, Tolstoy, Bely, Kafka, Woolf, Tomasi di Lampedusa, and Garcia Marquez, among others. May be repeated when topics vary to a maximum of six semester hours.

LIT 4033. Modern Poetry (3). This course is an introductory analysis of techniques and meanings. Typically includes Whitman, Dickinson, Yeats, Frost, Stevens, Eliot, Auden, Thomas, and Plath.

LIT 4034. Postmodern and Contemporary Poetry (3). Prerequisites: ENC 1102 and ENC 1122 or equivalents. This course allows students to analyze themes and techniques associated with poetry in English from the end of World War II to the present. Poets studied typically include Olson, Ginsberg, Baraka, Clifton, Bishop, Lowell, Plath, Heaney, and Rich.

LIT 4044r. Readings in Dramatic Literature (3–6). This course covers specific topics in the study of British, American, or Continental drama. May be repeated to a maximum of six hours credit.

LIT 4093. Currents in Contemporary Literature (3). This course covers diverse, resurgent, and oppositional trends in literature since 1945; Mailer, Brautigan, Bellow, and others.

LIT 4184. Irish Literature (3). This course covers Synge, Yeats, Shaw, O’Casey, Joyce, Beckett, and others.

LIT 4205. Literature of Human Rights (3). This course is a study of literature in English and related materials relevant to the issue of human rights.

LIT 4233. Anglophone Postcolonial Literature (3). This course is an advanced study of literature written in English in former colonies in Africa, Asia, and the Caribbean.

LIT 4304. The Literary Expression of American Popular Culture (3). This course is an introductory course treating the wide variety of literary manifestations of American popular culture as reflections and symptoms of the concerns of modern American society.

LIT 4322. Folklore (3). This course is an introduction to myth, legend, tale, song, ballad, beliefs, and customs.

LIT 4329. African-American Folklore (3). This course provides an overview of the major forms of cultural expression developed by African-Americans. The focus will be on African-American folklore as a living tradition to be understood and interpreted.

LIT 4385. Major Women Writers (3). This course is an examination of selected works by significant women writers.

LIT 4514. Postcolonial Literatures and Feminisms (3). This course focuses upon literature and criticism about the status of women in former colonies.

LIT 4533. Feminisms: The Long 19th Century (3). This course introduces students to some of the key concepts of what is known as the "First Wave" of Feminist Theory in the 19th century.

LIT 4534. Early Feminisms (3). This course introduces students to key concepts, issues, and debates that shaped societal attitudes toward women prior to the emergence of "first wave feminism" in the later eighteenth and early nineteenth centuries. Topics may include women's education, rights to participate in the public sphere, roles in marriage, the nature of women's work, and women's right to citizenship.

LIT 4554. Feminist Theory (3). This course introduces students to the basic concepts and issues in feminist thought through reading some of the major feminist theorists.

LIT 4652. Middle Eastern Literature and Translation (3). This course explores English translations of various genres of literature written in the Middle East and offers a Middle Eastern perspective of the religious, cultural, economic, territorial, and geopolitical conflicts of the region. The course covers the use of theoretical languages and concepts from a broad spectrum of literary fields such as postcolonialism, religious studies, feminism, globalization studies, and area studies.

REA 1905r. Improving College-Level Reading (1-3). (S/U grade only.) This course is an individualized program of instruction in critical and comprehensive reading, including CLAS skills. Open to students from all levels and major areas. May be repeated for a maximum of three semester hours.

Graduate Courses

- AML 5017r.** Studies in U.S. Literature to 1875 (3).
AML 5027r. Studies in U.S. Literature Since 1875 (3).
AML 5267r. Studies in Literature of the American South (3).
AML 5296r. Studies in Multi-Ethnic Literature (3).
AML 5608r. Studies in the African-American Literary Tradition (3).
AML 5637r. Studies in Latino/a Literature in English (3).
CRW 5130r. Fiction Workshop (3).
CRW 5331r. Poetry Workshop (3).
CRW 5430r. Drama Workshop (3).
ENC 5216. Introduction to Editing and Publishing (3).
ENC 5217. Topics in Editing (3-6).
ENC 5317r. Article and Essay Workshop (3).
ENC 5700. Theories of Composition (3).
ENC 5720. Research Methods in Rhetoric and Composition (3).
ENC 5945r. Internship in Editing (0-3). (S/U grade only.)
ENG 5009. Introduction to Advanced Studies in English (3).
ENG 5028. Rhetorical Theory and Practice (3).
ENG 5049r. Studies in Critical Theory (3).
ENG 5053. Studies in Textual Reception (3).
ENG 5068r. Studies in Language and Linguistics (3).
ENG 5079. Issues in Literary and Cultural Studies (3).
ENG 5138r. Studies in Film (3).
ENG 5801. Introduction to the History of Text Technologies (3).
ENG 5805. Studies in Textual Production (3).
ENG 5807. Studies in Textual Transformation (3).
ENG 5835r. Topics in Publishing (3-6).
ENG 5906r. Directed Individual Study (1-3). (S/U grade only.)
ENG 5933r. Topics in English (1-3).
ENG 5935r. Speakers in English Studies (1-3). (S/U grade only.)
ENG 5998r. Tutorial in English (1-3). (S/U grade only.)
ENG 6907r. Directed Readings (1-6). (S/U grade only.)
ENG 6939r. Seminar in English (3).
ENL 5206r. Studies in Old English Language and Literature (3).
ENL 5216r. Studies in Middle English Language and Literature (3).
ENL 5227r. Studies in Renaissance Literature (3).
ENL 5236r. Studies in Restoration and 18th-Century British Literature (3).
ENL 5246r. Studies in British Romantic Literature (3).
ENL 5256r. Studies in Victorian Literature (3).
ENL 5276r. Studies in 20th-Century British Literature (3).
LAE 5370. Teaching English in College (3).
LAE 5946. Teaching English as a Guided Study (3).
LAE 5948r. Supervised Teaching (0-5). (S/U grade only.)
LIT 5017r. Studies in Fiction (3).

LIT 5038r. Studies in Poetry (3).

LIT 5047r. Studies in Drama (3).

LIT 5186r. Studies in Irish and/or Scottish Literature (3).

LIT 5235r. Studies in Post-Colonial Literature in English (3).

LIT 5309r. Studies in Popular Culture (3).

LIT 5327r. Studies in Folklore (3).

LIT 5388r. Studies in Women's Writing (3).

LIT 5517r. Studies in Gender in Literature (3).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

**ENGLISH EDUCATION:
see Middle and Secondary Education**

Major in ENTREPRENEURSHIP

COLLEGE OF BUSINESS

Web Page: <http://www.cob.fsu.edu/Academic-Programs/Undergraduate-Programs/Undergraduate-Degrees/Entrepreneurship>

Chair: Ceasar Douglas; **Executive Director and Jim Moran Professor of Entrepreneurship:** Holcomb; **Jim Moran Professors of Business Administration:** Douglas, Hochwarter; **Professors:** Hochwarter; **Associate Professor:** Douglas; **Assistant Professors:** Holcomb, Holmes; **Research Associate in Entrepreneurship:** Dever; **Assistant in Entrepreneurship:** Frazier; **Professor Emeritus:** Osteryoung

The undergraduate major in entrepreneurship is designed for those who want to learn more about opportunity recognition and evaluation, and new venture start-up and growth. Students admitted into this major will participate in courses and seminars staffed by faculty members, as well as entrepreneurs and business owners/managers. Students will have opportunities to learn first-hand what is needed to start a new business venture, and to run an existing business.

The purpose of the Entrepreneurship major is to give students the knowledge, skills, and confidence to start, run, and grow their own business. The Entrepreneurship major is administered by the Department of Management.

Students who successfully complete the Entrepreneurship major receive a Bachelor of Science (BS) degree in business administration with a major in entrepreneurship.

Computer Skills-Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in entrepreneurship satisfy this requirement by earning a grade of “C–” or higher in CGS 2100 (state mandated business prerequisite requirement) or CGS 2518.

Required Risk in Business and Society Course

All undergraduates at Florida State University intending to enter a business major must complete RMI 2302, Risk in Business and Society, with a “C–” or better by the end of their sophomore year. Transfer students will be required to complete this course in their first semester at FSU.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.ftvc.org/ftvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. ACG X021 or ACG X022 or ACG X001 and ACG X011
2. ACG X071 or ACG X301
3. CGS X100 (or demonstrated competency) or CGS X100C or CGS X530 or CGS X570 or CGS X060 or CGS X531 or CGS X000 or ISM X000 or CGS X518
4. ECO X013
5. ECO X023
6. MAC X233 or MAC X230
7. STA X023 or STA X122 or QMB X100

Requirements for a Major in Entrepreneurship

All students must complete: (1) the University-wide baccalaureate degree requirements summarized in the “Undergraduate Degree Requirements” chapter of this *General Bulletin*; (2) the state of Florida common prerequisites for entrepreneurship majors; (3) at least sixty semester hours of courses in non-business disciplines; (4) the general business core requirements for entrepreneurship majors; (5) the general business breadth requirements for entrepreneurship majors; and (6) the major area requirements for entrepreneurship majors.

Note: The entrepreneurship major is a limited access program. The entrepreneurship major is designed to take three years. Students must apply for admission to the entrepreneurship major in the Spring of their freshman year. Students must apply online to the Jim Moran Institute (<http://jmi.fsu.edu/>) before the announced deadline each Spring semester. Admitted students will take 2000-level entrepreneurship core requirements in their second year. Students must meet the admission requirements for the AACSB accredited business programs in the College of Business by the end of their second year in order to continue in the major. These admission requirements are described in the “College of Business” chapter of this *General Bulletin*.

General Business Core Requirements

All entrepreneurship majors must complete the following five courses. A grade of “C–” or better must be earned in each course.

BUL 3310	The Legal and Ethical Environment of Business (3)
FIN 3403	Financial Management of the Firm (3)
GEB 3213	Business Communication (3)
MAN 3240	Organizational Behavior (3)
MAR 3023	Basic Marketing Concepts (3)

General Business Breadth Requirements

All entrepreneurship majors must complete three courses as follows. Each course selected must be completed with a grade of “C–” or better.

RMI 3011	Risk Management/Insurance (3)
MAN 4720	Strategic Management and Business Policy (3)
Plus one elective from the following list of courses:	
FIN 3244	Financial Markets, Institutions, and International Finance Systems (3)
HFT 3240	Managing Service Organizations (3)
ISM 3003	Foundations of Management Information Systems (3)
MAN 3600	Multinational Business Operations (3)
MAR 3400	Professional Selling (3)
QMB 3200	Quantitative Methods for Business Decisions (3)
REE 3043	Real Estate (3)

Major Area Requirements

All entrepreneurship majors must complete nineteen credit hours as listed below. A grade of “C–” or better must be earned in each course used to satisfy the entrepreneurship major area requirements.

ENT 2010.	Creating and Managing New Ventures (2).
ENT 2010L.	Creating and Managing New Ventures Laboratory (1).
ENT 2011.	Managing and Harvesting New Ventures (2).
ENT 2011L.	Managing and Harvesting New Ventures Laboratory (1).
ENT 3003.	Introduction to Entrepreneurship (3).
ENT 3413.	New Venture Finance (3).
ENT 4014.	Creating New Ventures I: Opportunity Recognition and Market Feasibility (3).
ENT 4115.	Creating New Ventures II: Business Planning and Competing for Capital (3).

Plus four credit hours from the following list of courses:

ENT 3123.	Corporate Venturing and Entrepreneurial Strategies (2).
ENT 3173.	Franchising (2).
ENT 3183.	Commercializing New Technologies (2).
ENT 3203.	Managing New Venture Growth (2).
ENT 3273.	Family Business (2).
ENT 3283.	Women and Minorities in New Ventures (2).
ENT 3503.	Social Entrepreneurship (3).
ENT 4934r.	Special Topics in Entrepreneurship (1-3).
ENT 4944.	Seminar in Small Business Analysis and Consultation (4).

Requirements for a Certificate in Entrepreneurship

Students who have been admitted to one of the AACSB accredited business programs in the College of Business but who are not majoring in entrepreneurship can obtain a Certificate in Entrepreneurship. This is a certificate credential and not a university-degree program leading to a diploma. Students completing the certificate will gain knowledge about how to initiate and manage new ventures, sources of funding, and business planning. Students interested in a Certificate in Entrepreneurship must register with the Jim Moran Institute and take a total of twelve hours in Entrepreneurship as described below.

ENT 3003.	Introduction to Entrepreneurship (3).
ENT 3423.	Funding Sources for Entrepreneurial Opportunities (3).
ENT 4114.	New Venture Creation (3).

Plus four credit hours from the following list of courses:

- ENT 3123. Corporate Venturing and Entrepreneurial Strategies (2).
- ENT 3173. Franchising (2).
- ENT 3183. Commercializing New Technologies (2).
- ENT 3203. Managing New Venture Growth (2).
- ENT 3273. Family Business (2).
- ENT 3283. Women and Minorities in New Ventures (2).
- ENT 3503. Social Entrepreneurship (3).

Definition of Prefix

ENT—Entrepreneurship

Undergraduate Courses

ENT 2010. Creating and Managing New Ventures (2). Prerequisite: Admission to the major. Corequisites: ACG 2021 and ENT 2010L. This course is the first in a two-course sequence for second-year students designed to immerse Entrepreneurship majors into the dynamics of starting and running a business. Course content focuses on opportunity recognition, researching financial viability of business ventures, and marshalling resources (among them, financial, human, technical, and motivational) to launch businesses. Students prepare mini-business plans.

ENT 2010L. Creating and Managing New Ventures Laboratory (1). Prerequisite: Admission to the major. Corequisites: ACG 2021 and ENT 2010. This laboratory allows students to develop mini-business plans to be funded by the Jim Moran Institute for Global Entrepreneurship. Students actually launch and manage the business.

ENT 2011. Managing and Harvesting New Ventures (2). Prerequisites: Admission to major, ACG 2021, as well as ENT 2010 and ENT 2010L. Corequisites: ACG 2071 and ENT 2011L. This course is a continuation of ENT 2010, focusing on growing and exiting a business. Additional course content exposes students to the basics of entrepreneurial law, negotiation, and understanding financial statements.

ENT 2011L. Managing and Harvesting New Ventures Laboratory (1). Prerequisites: Admission to major, ACG 2021, as well as ENT 2010 and ENT 2010L. Corequisites: ACG 2071 and ENT 2011. This laboratory is a continuation of ENT 2010L, focusing on growing and running the micro-business throughout the academic year with planned liquidation and shutdown (Harvesting) at the end of the academic year.

ENT 3003. Introduction to Entrepreneurship (3). This course exposes students to the knowledge and skills required to be a successful entrepreneur. Topics include challenges of entrepreneurship, marketing and financial concerns, and management issues.

ENT 3123. Corporate Venturing and Entrepreneurial Strategies (2). Prerequisites: ENT 3003 or both ENT 2010 and ENT 2011. This course focuses on entrepreneurship in existing organizations. Course material centers on how established organizations can be entrepreneurial, how the corporate entrepreneurship process works, and the role of individuals in promoting entrepreneurship in their organizations. The course also explores how entrepreneurs can recognize and investigate business opportunities for established firms, and how entrepreneurs gain support for their ventures in an organizational context.

ENT 3173. Franchising (2). Prerequisites: ENT 3003 or both ENT 2010 and ENT 2011. This course focuses on the special role of franchising as a form of entrepreneurship in the U.S. and international economies. Topics include success rates of franchisors and franchisees, advantages and disadvantages of franchising for both franchisors and franchisees, the process of franchising a business idea, and the process of selecting and working with a franchisor.

ENT 3183. Commercializing New Technologies (2). Prerequisites: ENT 3003 or both ENT 2010 and ENT 2011. This course focuses on the new product development process, with special emphasis on legal and intellectual property regulations. Topics include the process through which new product ideas emerge, alternative routes to market, and protection of intellectual property.

ENT 3203. Managing New Venture Growth (2). Prerequisites: ENT 3003 or both ENT 2010 and ENT 2011. This course addresses the management of rapidly growing entrepreneurial firms. Topics include building an infrastructure, planning stage financing, managing under adversity, and managing a business with rapid growth.

ENT 3273. Family Business (2). Prerequisites: ENT 3003 or both ENT 2010 and ENT 2011. This course covers special issues facing entrepreneurial and family businesses: choice of organizational form, business planning, tax and compensation planning, business valuation, and succession strategies. Time is also devoted to the unique challenges often found in family business context, such as dealing with family conflicts, how to motivate and evaluate employees when a mix of family and non-members are involved, and planning for succession.

ENT 3283. Women and Minorities in New Ventures (2). Prerequisites: ENT 3003 or both ENT 2010 and ENT 2011. This course focuses on the emergence and current impact of women- and minority-owned business. The course also considers special challenges and opportunities that women and minority entrepreneurs confront. Course may include discussions with successful women and minority business owners.

ENT 3413. New Venture Finance (3). Prerequisites: ENT 2010 and ENT 2011. Corequisite: FIN 3403. This course covers various aspects of financing an entrepreneurial venture. Major topics include attracting seed and growth capital from sources such as venture capital, investment banking, government, and commercial banks. Among the issues discussed are valuing a company, going public, selling out, acquisitions, bankruptcy, different legal forms of organization, partnerships, and taxes.

ENT 3423. Funding Sources for Entrepreneurial Opportunities (3). Prerequisites: ENT 3003 or both ENT 2010 and ENT 2011. This course covers various aspects of financing an entrepreneurial venture. Major topics include attracting seed and growth capital from sources such as venture capital, investment banking, government, and commercial banks. Among the issues discussed are valuing a company, going public, selling out, acquisitions, bankruptcy, different legal forms of organization, partnerships, and taxes.

ENT 3503. Social Entrepreneurship (3). Prerequisites: ENT 3003 and MAN 3025. This course is about the opportunities and challenges of creating new ventures that also solve social problems and make a positive difference in the lives of others. Focus is on organization with an explicit civic mission or social purpose, including well-known nonprofits and well-regarded for profits.

ENT 4014. Creating New Ventures I: Opportunity Recognition and Market Feasibility (3). Prerequisite: ENT 3413. This course is the first in a two-course series for seniors in which students complete a business plan for the creation of a new venture and construct a tradeshow booth to promote their venture. In this first course, students learn how to identify emerging opportunities for goods or services and demonstrate the need for such goods or services through market research. Students have the opportunity to collaborate with the university technology transfer office and a campus inventor to investigate the feasibility of a new technology. Students also learn about the technology commercialization process and the legal environment of technology commercialization.

ENT 4114. New Venture Creation (3). Prerequisite: ENT 3423. This course gives students the opportunity to complete a business plan for the creation of a new venture. In the process of development, they identify new or emerging opportunities for providing goods or services, demonstrate the need for such goods or services through market research, and develop financial statements for the proposed venture.

ENT 4115. Creating New Ventures II: Business Planning and Competing for Capital (3). Prerequisite: ENT 4014. This course is the second in a two-course series for seniors in which students complete a business plan for the creation of a new venture and construct a tradeshow booth to promote their venture. In this course, students learn the business planning process and take a highly feasible idea from ENT 4014 and develop a complete business plan and tradeshow booth. Students are also exposed to concepts of entrepreneurial marketing and human resource management.

ENT 4944. Seminar in Small Business Analysis and Consultation (4). Prerequisite: Instructor permission. Corequisite: ENT 3413. This course includes selected seminars complemented by a ten-week, two-person student consulting team working with a local area entrepreneurial client. Closely supervised consultation with a comprehensive consulting report provided for each client. Effort is placed on developing proficiencies in a range of skills required to practice consulting.

**ENVIRONMENTAL ENGINEERING:
see Civil and Environmental Engineering**

**ENVIRONMENTAL PLANNING AND NATURAL RESOURCE
MANAGEMENT:
see Urban and Regional Planning**

**ENVIRONMENTAL STUDIES:
see Geography**

**EVALUATION AND MEASUREMENT:
see Educational Psychology and Learning Systems**

**EVOLUTIONARY BIOLOGY:
see Biological Science**

**EXERCISE PHYSIOLOGY:
see Nutrition, Food and Exercise Sciences**

Department of FAMILY AND CHILD SCIENCES

COLLEGE OF HUMAN SCIENCES

Web Page: <http://www.chs.fsu.edu/fcs>

Chair: Kay Pasley; **Eminent Scholar and Professor:** Fincham; **Professors:** Denton, Krantz, Pasley, Ralston; **Associate Professors:** Cui, McWey, Readdick, Rehm; **Assistant Professors:** Gonzales-Backen, Holtrop; **Associate in Family and Child Science:** Barlow; **Professors Emeriti:** Cornille, Darling, Greenwood, Hansen-Gandy, Hicks, Lee, Mullis, Pestle, Rapp, Zongker

The Department of Family and Child Sciences offers one degree program in family and child sciences which requires maintaining minimum grades in major courses for graduation.

The program provides an understanding of child development and family relationships across the life span. We emphasize the diversity of families and how children and families influence and are influenced by the broader environment (e.g., schools, communities, society at large) and change over time. Students learn to apply this knowledge about children and families in working with them in various professional settings through participation in extensive practicum experiences. These experiences occur in a variety of human service agencies and organizations, educational settings, child care centers, and child and family advocacy organizations. Students also gain skills in developing and implementing programs whose goal is to strengthen individuals and families. There is a series of courses that provides the necessary background to apply for certification from the National Council on Family Relations to become a "certified family life educator." It does **not** lead to teacher certification in Florida.

Students must complete human sciences core courses (FAD 2230 AND one of the following: COA 4131, HUN 1201, or HME 4221), other prerequisite courses to the major, and an approved area of concentration in an allied field. Courses selected for the area of concentration cannot also be used to fulfill liberal studies requirements. A practicum experience is required. Five courses are required prerequisites. Students must achieve at least a "C-" in COA 4131, HUN 1201, or HME 4221 and at least a "B-" in FAD 2230, 3220, 3271, CHD 2220, and STA 1013 or STA 2XXX. Individuals who apply for the major but who have not met the prerequisite requirements will be classified as Prerequisite Incomplete (PI) and cannot enroll in other classes in the major until these prerequisite classes are successfully completed. Students who do not achieve a grade of "B-" may repeat only ONE of the five required prerequisite courses to achieve the necessary grade. The minimum grade required in other courses beyond the prerequisite courses is "C-", except for FAD 4932 and FAD 4805 where the minimum grade is "S".

Curriculum guides stating specific degree requirements for the undergraduate majors are available through the Department of Family and Child Sciences and through our Web site, <http://www.chs.fsu.edu/fcs>.

Minor

A minor in child development may be earned by completing twelve semester hours in family and child sciences with a grade of "C-" or better in each of the required courses: FAD 2230, FAD 3220, FAD 3271, and CHD 2220. At least nine credit hours must be completed at Florida State University; no more than one substitution for these courses is permitted.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in family and child sciences satisfy this requirement by earning a grade of "C-" or higher in CGS 2060 or CGS 2064.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.ftvc.org/ftvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

Family and Children Sciences

1. FAD X230
2. CHD X220
3. FAD X220
4. STA X013 or STA X014 or STA X021 or STA X022 or STA X023

Note: Courses are offered in Summer Sessions A, B and/or C to accommodate transfer students who enroll in the university and our major in the summer. Thus, when Fall semester begins, these students can enroll in the other required courses for which these courses are prerequisites. Students who enroll in the Fall can take these courses and those required as part of the "area of concentration" during the semester. Following this, there is ample time to complete the remaining 120 credit hours.

Honors in the Major

The Department of Family and Child Sciences offers a program in honors in the major to encourage talented juniors and seniors to undertake independent and original research as part of the undergraduate experience. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Definition of Prefixes

CHD—Child Development

FAD—Family Development

HEE—Home Economics Education

HOE—Home Economics: General

Undergraduate Courses

CHD 2220. Child Growth and Development: The Foundation Years (3). This course is the study of children from birth through middle childhood.

CHD 3472. Child Guidance (3). Prerequisite: Major status. This course allows students to learn principles of positive guidance to apply in guiding children during early childhood, middle childhood, and adolescence in a variety of natural contexts, including home and school.

CHD 4225. Contexts for Early Childhood Development (3). Prerequisites: Major status and junior standing. Corequisite: FAD 4805. This course helps students learn to create contexts, relationships, activities, and environments for the enhancement of the physical, social, emotional, and cognitive development of young children from birth to five years of age in homes and other institutions.

CHD 4250. Middle Childhood Contexts (3). Prerequisites: Major status and junior standing. Corequisite: FAD 4805. This course has been designed to examine developmental processes of school-age children and adolescents. This course is a prerequisite course for practica experiences with these age groups. Consequently, strategies for working with school-age children and adolescents also will be addressed.

CHD 4251. Adolescent Contexts (3). Prerequisites: Major status and junior status. Corequisite: FAD 4805. This course provides a basic understanding of adolescent development as it relates to human growth development and learning through a multidisciplinary perspective. Biological, cognitive, and psychosocial tasks of adolescence within contexts such as family, peer group, school, community, culture, and other learning environments are examined.

CHD 4537. Parenting (3). Prerequisite: Major status. This course is a comprehensive review of the contemporary theory and research in parenting. This course is organized developmentally, focusing on the emerging needs, responsibilities, and skills required by parents at progressive stages of their children's development.

CHD 4615. Public Policy: Child and Family Issues (3). Prerequisite: Major status or instructor permission. This course uses readings, lecture, discussion, guest speakers, field work, research, and writing, for students to become familiar with the process of formulating, implementing, and evaluating public policy. Family and child issues that have resulted in policy decisions at every level are identified, and current issues that are in need of attention by policy makers are explored. Research related to family issues and its impact on family policy is analyzed with emphasis on enhancing the role of family and child professionals in policy process.

CHD 4630. Methods of Studying Families and Children (3). Prerequisite: Major status. This course examines research methods, concepts, principles, and issues in studying families and children.

CHD 4905r. Directed Individual Study in Child Development (1–3). May be repeated to a maximum of nine semester hours.

CHD 4944r. Internship in Family and Child Sciences (1–12). (S/U grade only.) Prerequisite: FAD 4805 or instructor permission. Child development majors only. This course consists of supervised practical experiences in various professional settings serving children, youth, and families, including hospitals, education faculties, human service agencies, and government agencies. May be repeated to a maximum of twelve semester hours.

FAD 2230. Family Relationships: A Life Span Development Approach (3). This course studies families and interpersonal relationships in a changing society. Emphasis is on a life cycle approach to understanding the dynamics of family relationships.

FAD 3220. Individual and Family Life Span Development (3). This course is an analysis of individual and family development as it applies to professional application in human services.

FAD 3271. Ecological Contexts for Individual and Family Development (3). This course is an introduction to the overarching theoretical frameworks, providing a basis for understanding individual and family development. This course serves as a foundation for all major courses.

FAD 3432. Stress and Resilience in Individuals and Families (3). Prerequisite: Major status or instructor permission. This course provides undergraduate majors with an introduction to family-based, stress-focused mini-theories. The course provides a framework for understanding the differences between family patterns when families are centered on growth related themes and when they are pre-occupied with a variety of stressor events.

FAD 4265. Family Diversity (3). Prerequisite: Major status. This course is designed to expose students to the diversity of families by race, ethnicity, social classes, and structures in an ego-systemic context.

FAD 4451. Human Sexuality Education (3). This course examines sexuality through the lifespan regarding relationship issues and health concerns and provides training for professionals and parents in sexuality education.

FAD 4455. Family Life Education (3). This course provides information and techniques needed to facilitate and evaluate home, school, and community relations through the lifespan.

FAD 4601. Foundations of Counseling (3). Prerequisites: Senior standing and instructor permission. This course discusses basic counseling skills for persons who, by nature of their work, are called upon to provide counseling. May be taken for graduate credit.

FAD 4805. Practicum in Family and Child Science (3). Prerequisites: Major status, at least four additional major courses, and FAD 4932 (completed the semester before enrolling in FAD 4805). This course is designed to provide students with experiences in a community setting serving children, youth, and families and the opportunity to apply course material to the work environment.

FAD 4905r. Directed Individual Study (1-3). (S/U grade only.) May be repeated to a maximum of nine semester hours.

FAD 4932. Pre-Professional Development (1). (S/U grade only.) Prerequisites: Major and senior standing. This course is designed to expose students to career opportunities in FCS and professional/ethical behavior and to prepare them for placement in agencies/organizations serving individuals and families. Course must be taken in the semester prior to FAD 4805.

FAD 4936r. Special Topics: Family or Housing (3-9). Each topic may be taken only once. Permission of the instructor required. May be repeated to a maximum of nine semester hours.

FAD 4972r. Honors Work (3). Prerequisites: Upper division student with an overall GPA of 3.5; instructor permission. This course provides upper-division students in Family and Child Sciences with an opportunity to undertake an independent and original research project in their particular area of interest. May be repeated to a maximum of six semester hours.

HEE 4912r. Honors Work (3). Open to upper-division majors with an overall grade point average of 3.2 and consent of instructor. May be repeated to a maximum of six semester hours.

Graduate Courses

Child Development Courses

- CHD 5266.** Advanced Child Development (3).
CHD 5617. Professional Development in Family and Child Sciences (1).
CHD 5618. Policy Development and Analysis in Child and Family Studies (3).
CHD 5619. Child Care Issues and Advocacy (3).
CHD 5906r. Directed Individual Study (1-3). (S/U grade only.)
CHD 5915. Methods of Research I (4).
CHD 5919. Grant Writing in Family and Child Sciences (3).
CHD 5940r. Practicum in Child Development: Varied Ages (infancy, preschool, school-age) (3-9).
CHD 6261. Theories of Child Development (3).
CHD 6264. Assessment Techniques for Children and Families (3).
CHD 6930r. Seminar in Child Development: Topics Vary and/or Ages Vary (prenatal, infancy, preschool, school-age through adolescence) (3-9).

Family Relations Courses

- FAD 5256.** Parent and Child Relations (3).
FAD 5261. Families in Crisis (3).
FAD 5263. Advanced Family Studies (3).
FAD 5452. Human Sexuality Education (3).
FAD 5456. Family Life Education (3).
FAD 5481r. College Teaching in Family Sciences (2-3). (S/U grade only.)
FAD 5619. Professional Issues in Family and Child Sciences (3).
FAD 5906r. Directed Individual Study (1-3). (S/U grade only.)
FAD 5912r. Supervised Research (1-3). (S/U grade only.)
FAD 5934r. Seminar in Family and Child Sciences (1-9).
FAD 5942r. Supervised Teaching (1-3). (S/U grade only.)

- FAD 5944r.** Internship-Family/Child (1-12).
FAD 5970. Special Project (3). (S/U grade only.)
FAD 6436. Theories of Family Sciences (3).
FAD 6450. Human Sexuality (3).
FAD 6606. Supervision in Marriage and Family Therapy (3).
FAD 6607. Randomized Clinical Trials (3).
FAD 6608. Effectiveness and Translation Research (3).
FAD 6917. Methods in Family and Child Sciences (3).
FAD 6930r. Special Topics: Marital and Family Therapy (Topics Vary) (3-9).
FAD 6935r. Special Topics: Family and Child Development (Topics Vary) (3-9).
FAD 6940r. Practicum in Marital and Family Therapy (1-5). (S/U grade only.)
FAD 8944r. Internship in Marriage and Family Therapy (1-12).

Other Courses

- CHD 5912r.** Supervised Research (1-3). (S/U grade only.)
CHD 5942r. Supervised Teaching (1-3). (S/U grade only.)
CHD 5971r. Thesis (1-6). (S/U grade only.)
CHD 6980r. Dissertation (1-24). (S/U grade only.)
CHD 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)
CHD 8966r. Master's Comprehensive Examination (0). (P/F grade only.)
CHD 8976r. Master's Thesis Defense (0). (P/F grade only.)
CHD 8985r. Dissertation Defense Examination (0). (P/F grade only.)
FAD 5912r. Supervised Research (1-3). (S/U grade only.)
FAD 5942r. Supervised Teaching (1-3). (S/U grade only.)
FAD 5971r. Thesis (1-6). (S/U grade only.)
FAD 6980r. Dissertation (1-24). (S/U grade only.)
FAD 8944. Internship in Marriage and Family Therapy (1-12). (S/U grade only.)
FAD 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)
FAD 8966r. Master's Comprehensive Examination (0). (P/F grade only.)
FAD 8976r. Master's Thesis Defense (0). (P/F grade only.)
FAD 8985r. Dissertation Defense Examination (0). (P/F grade only.)
HOE 6366. Research Best Practices in Human Sciences (2).
HOE 6938r. Proseminar in Human Sciences (1-2). (S/U grade only.)

The Department of Family and Child Sciences offers graduate programs leading to the Master of Science (MS) degree and the Doctor of Philosophy (PhD) degree in human sciences with specialization in family relations, and a Doctor of Philosophy (PhD) degree in marriage and family therapy. For further information relating to graduate coursework and thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

**FILM STUDIES:
see Motion Picture Arts**

Department of FINANCE

COLLEGE OF BUSINESS

Web Page: <http://cob.fsu.edu/fin/>

Chair: William A. Christiansen; **Professors:** Ang, Clark, Humphrey, Lee, Da. Peterson; **Associate Professors:** Autore, Benesh, Christiansen, Cheng, Jiang, Knill, Perfect; **Assistant Professors:** Colak, Hutton, Liu, Zhou; **Associate in Finance:** G. Smith; **Assistants in Finance:** De. Peterson, D. Smith; **Fannie Wilson Smith Eminent Scholar in Banking:** Humphrey; **Patty Hill Smith Eminent Scholar in Finance:** Lee; **Bank of America Eminent Scholar in Finance:** Ang; **Wachovia Professor of Finance:** Da. Peterson; **Robert C. Earnest Professor of Finance:** TBA; **Bank of America Professor in Finance:** Christiansen; **SunTrust Professor of Finance:** Benesh; **Gene Taylor Bank of America Professor in Finance:** Cheng; **Dean Cash Professors in Finance:** Autore, Jiang

Finance is considered one of the basic functions of our private enterprise system. Finance can be defined as the art and science of managing money. Each of the many firms, businesses, institutions, and governmental agencies in our economic system has the problems of obtaining, administering, and managing its funds efficiently and wisely. Nearly every decision made by an organization has important financial implications. Thus, the finance student is introduced to and studies the theory, concepts, applications, institutional environment, and analytical tools essential for proper decision making. Finance is designed as preparation for a broad variety of careers, since all organizations need individuals knowledgeable about finance. Careers may be in financial management and analysis, banking, financial institutions, financial markets, investments, portfolio analysis and management, financial planning, and multinational finance. Finance is also considered good preparation for graduate study in law or business.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in finance satisfy this requirement by earning a grade of "C-" or higher in CGS 2100 (state mandated business prerequisite requirement) or CGS 2518.

Required Risk in Business and Society Course

All undergraduates at Florida State University intending to enter a business major must complete RMI 2302, Risk in Business and Society, with a "C-" or better by the end of their sophomore year. Transfer students will be required to complete this course in their first semester at FSU.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.fvvc.org/fvvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. ACG X021 or ACG X022, or ACG X001 and ACG X011
2. ACG X071 or ACG X301
3. CGS X100 (or demonstrated competency) or CGS X100C or CGS X530 or CGS X570 or CGS X060 or CGS X531 or CGS X000 or ISM X000 or CGS X518
4. ECO X013
5. ECO X023
6. MAC X233 or MAC X230
7. STA X023 or STA X122 or QMB X100

Requirements

Requirements for the Finance Program

Candidates for the Bachelor of Science (BS) or Bachelor of Arts (BA) degree with a major in finance must complete a minimum of one hundred

twenty semester hours. Normally, four semesters of work are devoted to the Liberal Studies Program and additional foundation courses in mathematics, economics, and statistics. The finance major must complete the business common body of knowledge, which includes work in accounting, quantitative methods, management, business law, marketing, computer science, business communications, and basic finance. The finance major requirements consist of an additional eighteen semester hours of work in advanced finance and accounting courses.

Requirements for a Major in Finance

All students must complete the following: (1) the University-wide baccalaureate degree requirements summarized in the "Undergraduate Degree Requirements" chapter of this *General Bulletin*; (2) the state of Florida common program prerequisites for finance majors; (3) at least sixty semester hours of courses in non-business disciplines which includes CGS 2518 Spreadsheets for Business Environments; (4) the general business core requirements for finance majors; (5) the general business breadth requirements for finance majors; and (6) the major area requirements for finance majors.

Note: To be eligible to pursue finance major, students must meet the admission requirements for the AACSB accredited business programs in the College of Business. These admission requirements are described in the "College of Business" chapter of this *General Bulletin*.

General Business Core Requirements for Finance Majors

All finance majors must complete the following five courses. A grade of "C-" or better must be earned in each course.

BUL 3310	The Legal and Ethical Environment of Business (3)
FIN 3403	Financial Management of the Firm (3)
GEB 3213	Business Communications (3)
MAN 3240	Organizational Behavior (3)
MAR 3023	Basic Marketing Concepts (3)

General Business Breadth Requirements for Finance Majors

All finance majors must complete three courses as follows. Each course selected must be completed with a grade of "C-" or better.

FIN 3244	Financial Markets, Institutions, and International Finance Systems (3)
QMB 3200	Quantitative Methods for Business Decisions (3)
Plus one elective from the following list of courses:	
HFT 3240	Managing Service Organizations (3)
ISM 3003	Foundations of Management Information Systems (3)
MAN 3600	Multinational Business Operations (3)
MAN 4720	Strategic Management and Business Policy (3)
MAR 3400	Professional Selling (3)
REE 3043	Real Estate (3)
RMI 3011	Risk Management/Insurance (3)

Major Area Requirements for Finance Majors

All finance majors must complete six courses (eighteen semester hours) as listed below. A grade of "B-" or better must be earned in FIN 3403 and a grade of "C-" or better must be earned in CGS 2518 to be eligible to enroll in any 4000-level FIN course. A grade of "C-" or better must be earned in FIN 4424, FIN 4504, and the two additional finance electives used to satisfy the finance major area requirements. A minimum grade point average (GPA) of 2.0 must be earned in the courses used to satisfy the finance major area requirements.

ACG 3171	Analysis of Financial Statement Presentation (3)
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Note: The two course sequence, ACG 3101 (Financial Accounting and Reporting I) and ACG 3111 (Financial Accounting and Reporting II), may be substituted for ACG 3171.

ACG 3331	Cost Accounting and Analysis for Business Decisions (3)
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Note: ACG 3341 (Cost Accounting I) may be substituted for ACG 3331.

FIN 4424	Problems in Financial Management (3)
FIN 4504	Investments (3)

Plus two electives from the following list of courses:

FIN 4324	Commercial Bank Administration (3)
FIN 4412	Short-Term Financial Management (3)
FIN 4453	Financial Modeling and Forecasting (3)
FIN 4514	Security Analysis and Portfolio Management (3)
FIN 4604	Multinational Financial Management (3)
FIN 4934r	Senior Seminar in Finance (3)
GEB 4455	Perspectives on Free Enterprise (3)
*REE 4204	Real Estate Finance (3) or

*REE 4313 Real Estate Investment (3)

*Students may count only one of these REE courses as a Finance major elective.

Honors in the Major

The Department of Finance offers honors in the major to encourage talented students to undertake independent and original research as part of the undergraduate experience. For requirements and other information see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Definition of Prefixes

ECP—Economic Problems and Policy

FIN—Finance

GEB—General Business

MAN—Management

QMB—Quantitative Methods in Business

Undergraduate Courses

FIN 3140. Personal Finance (3). This course is a study of the concepts and processes in planning, analyzing, and controlling personal financial resources. Emphasizes financial planning, cash and credit management, managing expenditures, income and asset protection, investment planning, and retirement and estate planning. For nonbusiness majors only. Credit not allowed for business majors.

FIN 3244. Financial Markets, Institutions, and International Finance Systems (3). Prerequisites: ACG 2021 and ECO 2013. This course focuses on money and capital markets, financial institutions, financial systems, and financial environment including an introduction to investments. Emphasizes the microfinancial decision-making process of the business firm.

FIN 3403. Financial Management of the Firm (3). Prerequisites: ACG 2021 and ECO 2023. This course is an examination of the basic concepts involved in the investment, financing, and dividend decisions of the business firm. Managerial orientation with emphasis on identification, analysis, and solution of financial problems confronting the firm.

FIN 4324. Commercial Bank Administration (3). Prerequisites: CGS 2518 and FIN 3403 with a grade of "B–" or better, and FIN 3244. This course is a study of the operations and administration of commercial banks and their role in the money and capital markets. Examines banking regulation, the lending function, investments, and the financial decision-making process.

FIN 4412. Short-Term Financial Management (3). Prerequisites: CGS 2518, FIN 3244 and FIN 3403 with a grade of "B–" or better. This course focuses on the decisions impacting the short-term cash flows of organizations—public, private, governmental, and non-profit. Topics include: cash management, treasury management, and working capital management.

FIN 4424. Problems in Financial Management (3). Prerequisites: CGS 2518, FIN 3244 and FIN 3403 with a grade of "B–" or better. This course is an advanced study of financial management that relates the underlying principles of finance to the decision-making perspective of the financial manager. Selected topics include cash budgeting, working capital management, capital budgeting, risk analysis, valuation, long- and short-term financing, dividend decision, and financial forecasting. Case analyses are included.

FIN 4453. Financial Modeling and Forecasting (3). Prerequisites: CGS 2518 and FIN 3403 with a grade of "B–" or better and QMB 3200. This course is an introduction to financial modeling and forecasting. Emphasis is on computer models and forecasting financial variables.

FIN 4504. Investments (3). Prerequisites: CGS 2518 and FIN 3403 with a grade of "B–" or better and FIN 3244. This course is an introduction to investment/security analysis. Includes an examination of investment instruments, the investment environment, the concept of risk-return, and the interactive forces between the economy, industries, and individual firms.

FIN 4514. Security Analysis and Portfolio Management (3). Prerequisites: CGS 2518 and FIN 4504. This course is an advanced and comprehensive coverage of investment topics including bond analysis, stock options, interest rate futures, options on futures contracts, portfolio analysis and management, and security market efficiency.

FIN 4604. Multinational Financial Management (3). Prerequisites: CGS 2518 and FIN 3403 with a grade of "B–" or better and FIN 3244. This course introduces the environment of international capital and foreign exchange markets and examines the effects of the international business environment on risk, capital budgeting, working capital management, and capital structure decisions of the firm.

FIN 4905r. Directed Individual Study (1–3). This course permits study or exploration into a specialized topic of finance that is not included in one of the other finance courses. It also permits advanced and extensive study of finance topics beyond that included in the other finance courses. The study is conducted with the direct supervision of an individual faculty member. This course may not be used as one of the two required finance electives detailed in the major requirements. May be repeated to a maximum of five times with the requirement that the topic changes each time. Consent of the department chairperson is required.

FIN 4934r. Senior Seminar in Finance (3). Prerequisites: CGS 2518 and FIN 3403 with a grade of "B–" or better and FIN 3244. May be repeated to a maximum of nine semester hours as topics vary. Additional prerequisites may be required depending on the topic.

FIN 4941. Finance Internship (3). (S/U grade only.) Prerequisite: Instructor permission. This internship is designed for College of Business students who desire to gain real world experience in the finance field through on-the-job practice. Students work under the direction of an approved industry professional, a faculty adviser, and the internship director.

FIN 4970r. Honors Thesis (1–6). Prerequisite: Admission to the honors program. May be repeated to a maximum of nine semester hours. Six semester hours of thesis are required to complete honors in the major.

GEB 4455. Perspectives on Free Enterprise (3). Prerequisites: FIN 3244 and Fin 3403. This course is an examination of the free enterprise system and the associated economic schools of thought. Sponsored by the BB&T Center for Free Enterprise.

QMB 3200. Quantitative Methods for Business Decisions (3). Prerequisites: CGS 2100, MAC 2233, and STA 2023. This course examines classical and modern decision-making techniques based on probabilistic concepts. Emphasizes applications to all areas of business.

Graduate Courses

ECP 5705. Economic Concepts for Business Decisions (3).

ECP 5706. Economic Analysis for Management (3).

FIN 5108. Fundamentals of Personal Finance (3).

FIN 5317. Financial Institutions and Risk Management (3).

FIN 5425. Problems in Financial Management (3).

FIN 5515. Investment Management and Analysis (1–4).

FIN 5537. Financial Derivatives and Risk Management (3).

FIN 5605. Multinational Financial Management (3).

FIN 5840. Applied Econometrics in Finance (3).

FIN 5906r. Directed Individual Study (1–3). (S/U grade only.)

FIN 5907r. Special Studies in Management (1–3).

FIN 5917r. Supervised Research (1–3). (S/U grade only.)

FIN 5935r. Seminar on Current Topics in Finance (3).

FIN 5946r. Supervised Teaching (1–3). (S/U grade only.)

FIN 6449. Seminar in Finance (1–3).

FIN 6527. Seminar in Finance (4).

FIN 6709. Seminar in Finance (1–3).

FIN 6804. Foundations of Financial Theory (3).

FIN 6842. Research Methods in Finance (4).

FIN 6917r. Supervised Research (1–3). (S/U grade only.)

FIN 6946r. Supervised Teaching (1–3). (S/U grade only.)

GEB 5446. The Business Context (3).

MAN 5716. Business Conditions Analysis (3).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

FOOD SCIENCE:

see Nutrition, Food and Exercise Sciences

FOOD SERVICE SYSTEMS:

see Hospitality; Nutrition, Food and Exercise Sciences

FOUNDATIONS OF EDUCATION:

see Educational Leadership and Policy Studies

FRENCH:

see Modern Languages and Linguistics

GENETICS:

see Biological Science

Department of GEOGRAPHY

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY

Web Page: <http://www.coss.fsu.edu/geography/>

Chair: Victor Mesev; **Professors:** Elsner, Horner, Mesev, Yang; **Associate Professors:** Baker, Zhao; **Assistant Professors:** Kobayashi, Pau, Pierce, Uejio; **Affiliate and Adjunct Faculty:** Fradel, Miller, Molina, O'Sullivan, Winsberg

The Department of Geography offers two separate majors reflecting the discipline's position straddling the social and natural sciences: the geography major and the interdisciplinary environmental studies major. While these programs overlap to some extent, they differ in their substantive focus: the geography major is oriented more towards social and global concerns, using geographic information science and spatial statistics, while the environmental studies major revolves more explicitly around human interactions with the natural, physical, and biological environment, with a stronger interdisciplinary focus. Students may double major in geography and environmental studies; a maximum of eleven semester hours may be double-counted toward both majors.

Several career paths await the graduating geographer and environmental scientist in the public and private sectors. Both bring important knowledge and analytical techniques to resource management and planning agencies. Training enables geographers and environmentalists to determine where public facilities and infrastructure are best located so that the greatest number of people benefit. These skills are also valued by private firms investing in residential or commercial development; a geographer can pinpoint where investments are likely to yield the best returns, while an environmentalist is concerned with public health and habitat disturbance. Geographers fill such job titles as cartographer, intelligence officer, economic analyst, city and regional planners, housing valuer, transportation officer, local government worker, and welfare officer. On the other hand, environmentalists have jobs such as a resource conservationist in managing soil pollution, land use changes, river clarity, coastal protection, the weather, waste disposal, and forest and agricultural sustainability. Many institutions use geographic information systems (GIS), and consulting firms serving state and local governments are increasingly called on to provide GIS expertise. The College of Social Sciences and Public Policy has a GIS laboratory with microcomputers running GIS, remote sensing, and statistical software. Finally, geographers find many jobs as teachers in a world integrated to the point that an understanding of geographic and environmental differences is essential to a basic education.

The geography department has expertise in geography, geographic information science, and environmental analysis. Students can concentrate in one of these areas, but the natural linkages between them mean that courses in all three are necessary for a complete geographical education. Research by faculty covers a number of interrelated topics, including hurricane damage, mitigation and relief, dune vegetation, urban lightning, the governance of global resources and marine territoriality, urban sustainability, fertility and mortality, coastal and estuarine studies, landscape ecology and carbon emissions, and conservation.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in geography satisfy this requirement by earning a grade of "C-" or higher in CGS 2060, CGS 2064, both GIS 3015 and GIS 4043, or CGS 2100 (with approval of department). Undergraduate majors in environmental studies satisfy this requirement by earning a grade of "C-" or higher in CGS 2060, CGS 2064, CGS 2100, or BSC 2010L.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.ftvc.org/ftvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. GEO XXXX and GEO XXXX: two introductory geography courses (GEO prefix) for a total of six credit hours

Geography Major

Geography is an integrative discipline bridging the social sciences, physical sciences, and humanities in the study of the relations between human beings and the Earth. Within this framework, geographers examine virtually any social/physical issue, such as the linkages between international development and environmental conservation; the opportunities and problems associated with growth in Florida; monitoring the impact of hurricanes; transport navigation; consumer profiling; the debt crisis; military targeting; deforestation; conservation, and hunger, to name a few. With a geographic perspective, such issues become more than isolated events when they are placed in a broader context of global understanding. In an interdependent world where decisions made in Tokyo or Iowa affect the lives of people in all societies, responsible citizenship requires a solid foundation in geographic knowledge. Geography is the study of place, or space, in the same sense that history is the study of time. The first question a geographer asks is "where are things located?" but even more important is "why are they located where they are?" and "how do we map them?" Geographers are concerned with interpreting and explaining the occurrence, distribution, and interrelationships in the physical and cultural realms. Because of the breadth of its focus, Geography is both a natural science and a social science. It forms an interdisciplinary bridge between the physical and cultural worlds, examining both humans and their environment. Some geographers specialize in environmental issues, including patterns of climate, vegetation, soil, landforms, resources, and hazards and their relations to humans. Economic, social, and political geographers investigate such issues as agricultural land use, settlement patterns, boundary disputes, the trade areas of cities, cultural diffusion, perceptions of the environment, labor markets and international trade. Others focus on mapping these applications with computer software and global positioning systems at ever improving accuracy and precision.

Major Requirements

A major in geography consists of thirty-four semester hours. All courses must be completed with a grade of "C-" or better.

All of the following core courses are required (nineteen hours)

GEA 1000	World Geography
GEO 1400	Human Geography
GEO 2200C	Physical Geography
GEO 4162C	Spatial Data Analysis
GIS 3015	Map Analysis
GIS 4043	Geographic Information Processing and Systems

AND

GIS 4043L	Geographic Information Systems Lab
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Human Geography (three hours) Select one course from the following:

GEO 3502	Economic Geography
GEO 4357	Environmental Conflict and Economic Development
GEO 4421	Cultural Geography
GEO 4450	Medical Geography
GEO 4471	Political Geography
GEO 4602	Urban Geography
GEO 4700	Transport Geography
GEA 2XXX	courses numbered 2000 or higher

Physical Geography (three to four hours) Select one course from the following:

GEA 4213	U.S. National Parks
GEO 4114	Environmental Field Methods
GEO 4300	Biogeography
GEO 4375	Landscape Ecology
GIS 4035	Introduction to Remote Sensing

AND

GIS 4035L	Introduction to Remote Sensing Lab
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General Geography courses (eight to nine hours)

Students must select additional geography courses (GEA/GEO/GIS) at the 3000/4000 level to bring the total credits in the major to thirty-four; coursework may include a maximum of nine credit hours of GEO 4930 Special Topics classes. A maximum of three credit hours may be used from GEO 4905 DIS or GEO 4941 Internship.

No credit for geography courses with a grade below "C-" will be applied towards completion of the major.

Minor Coursework: at least twelve hours

Geography majors are required to complete a minor in any departmental or interdisciplinary area of interest approved by the undergraduate adviser. Minors normally range from twelve to eighteen hours.

Minor in Geography

The geography minor consists of fifteen semester hours of coursework in geography from the following choices:

GEA 1000 World Geography
GEO 1400 Human Geography
GEO 1330 Environmental Science

OR

GEO 2200C Physical Geography
GEO 4162C Spatial Data Analysis

OR

GIS 3015 Map Analysis
Any GEA/GEO/GIS 3000 or higher elective

All courses must be completed with a grade of "C-" or better. If the geography minor is combined with the environmental studies major, GEO 1330/GEO 2200C and one other course (up to six credits total) may count toward both the major and the minor. For more information contact Mrs. Leslee Horner, Undergraduate Adviser, Department of Geography, 311 Bellamy, (850) 644-8386 or lhorne@fsu.edu, or visit the department's Web site at <http://www.coss.fsu.edu/geography/>.

Environmental Studies Major

Environmental studies is an interdisciplinary program of study that provides an in-depth understanding of the social and institutional context of contemporary environmental concerns, including topics such as ecosystem management, resource conservation, land use planning, natural hazards, and the policy dimensions of environmental issues. The major is highly flexible and allows students to explore a large variety of classes when choosing how to study how humans interact, control, and live in harmony with nature. It requires forty-one semester hours with a grade of "C-" or better in each course; at least eighteen semester hours must be taken in upper level (3000- and 4000-) courses.

Note: Some of the following courses have prerequisites.

I. **Basic Core Curriculum:** all of the following courses (total fourteen credit hours):

BSC 2010 Biological Science I

AND

BSC 2010L Biological Science I Lab

CHM 1045 General Chemistry I

AND

CHM 1045L General Chemistry I Lab

GEO 1330 Environmental Science (previously GEO 1331)

GEO 2200C Physical Geography (previously GEO 3200C)

II. **Natural Science Electives:** four courses (total twelve credit hours) from the following list:

BOT 3015 Plant Biology

BOT 3143 Field Botany

BSC 2011 Biological Science II

BSC 3052 Conservation Biology

BSC 3312 Marine Biology

BSC 4515 Aquatic Pollution Biology

BSC 4934 Selected Topics in Applied Biology (subjects vary)

CHM 1046 General Chemistry II

EES 2205C Environmental Engineering Chemistry

EES 3040 Introduction to Environmental Engineering Science

ENV 4001 Environmental Engineering

ENV 4041 Environmental Systems Analysis

ENV 4405 Water Reuse Engineering

ENV 4341 Solid and Hazardous Waste Engineering

GEA 4213 U.S. National Parks

GEO 4300 Biogeography

GEO 4376 Landscape Ecology

GEO 4930 Special Topics in Geography (Note: content varies and not all GEO 4930 courses will count as Natural Science Electives)

GLY 1030 Environmental Issues in Geology

GLY 1070 Living on the Water Planet

GLY 2010C Physical Geology

ISC 2003 Global Change, Its Scientific and Human Dimensions

MET 2101 Physical Climatology

MET 2502C Weather Analysis and Forecasting

MET 2700 General Meteorology

MET 3300 Introduction to Atmospheric Dynamics

OCE 4008 Principles of Oceanography

OCE 4017 Current Issues in Environmental Science

OCE 4930 Studies in Oceanography (subjects vary)

PCB 3043 General Ecology

III. **Social Science Electives:** three of the following courses (total nine credit hours):

AMH 4630 North American Environmental History

AMH 4634 Florida Environmental History

ECP 3113 Economics of Population

ECP 3302 Economics of Natural Resources, Energy, and the Environment

ECS 4013 Economics of Development

GEO 3502 Economic Geography

GEO 4340 Living in a Hazardous Environment

GEO 4357 Environmental Conflict and Economic Development

GEO 4372 Natural Resource Assessment and Analysis

GEO 4403 Global Change, Local Places

GEO 4421 Cultural Geography

GEO 4450 Medical Geography

GEO 4471 Political Geography

GEO 4602 Urban Geography

GEO 4700 Transport Geography

GEO 4930 Special Topics in Geography (if approved by advisor)

PAD 3003 Public Administration in American Society

PAD 4603 Administrative Law

PHI 2620 Environmental Ethics

PUP 3002 Introduction to Public Policy

PUP 4203 Environmental Politics and Policy

SYD 3020 Population and Society

SYD 4510 Environmental Sociology

URP 3000 Introduction to Planning and Urban Development

URP 4022 Collective Decision Making

URP 4318 Growth Management and Environmental Planning

URP 4402 Sustainable Development Planning in the Americas

URP 4404 River Basin Planning

URP 4423 Environmental Planning and Resource Management

URP 4710 Transportation Planning

URP 4936 Special Topics in Planning (if approved by advisor; subjects vary)

IV. **Methods Electives:** two of the following courses (total six to seven credit hours):

ENV 4611 Environmental Impact Analysis

GEO 4114 Environmental Field Methods

GEO 4162C Spatial Data Analysis (or SYA 4400, or STA 2122, or STA 2171)

GIS 3015 Map Analysis

GIS 4006 Computer Cartography

GIS 4035 Introduction to Remote Sensing

AND

GIS 4035L Introduction to Remote Sensing Lab

GIS 4043 Geographic Information Processing and Systems

AND

GIS 4043L Geographic Information Systems Lab

STA 3024 Intermediate Applied Statistics

SYA 4300 Methods in Social Research

Minor in Environmental Studies

A minor in environmental studies consists of a minimum of fifteen credit hours, composed of the following:

- GEO 1330 Environmental Science
- GEO 2200C Physical Geography
- One Natural Science Elective (Group II)
- One Social Science Elective (Group III)
- One Methods Elective (Group IV)

All courses must be completed with grades of “C-” or better. If an environmental studies minor is combined with a geography major, GEO 2200C and one other course (up to six credits total) may be applied to both the major and the minor.

For more information, contact Dr. Kelly Watson Undergraduate Adviser, Department of Geography, 309 Bellamy, (850) 644-8375 or kwatson@fsu.edu, or visit the department’s Web site at <http://www.coss.fsu.edu/geography/>.

Graduate Programs

Graduate programs are available leading to the Master of Arts (MA), the Master of Science (MS), the Applied Master of Science (MS) in GIS, and the Doctor of Philosophy (PhD) in Geography. The graduate programs in geography lead to an applied or a research-oriented degree centered around geographic information science (GISci), environmental management, or human-environmental interactions.

Undergraduates contemplating a graduate degree in geography should take the Graduate Record Examination prior to submitting an application. Interested students should contact the Graduate Adviser, Dr. Mark Horner, 306 Bellamy, (850) 644-8377, or mhorner@fsu.edu.

Definition of Prefixes

GEA—Geography: Regional Areas

GEO—Geography: Systematic

GIS—Geographic Information Systems

Undergraduate Courses

GEA 1000. World Geography (3). This course is a regional survey of the human occupation of the face of the earth, local cultures, political systems, and development problems.

GEA 2210. United States and Canada (3). This course examines the physical diversity and the cultural and political patterns of North America.

GEA 2270. Florida (3). This course focuses on the physical, social, and economic geography of the state, including growth and environmental issues.

GEA 3173. Third World in Film (3). This course uses weekly feature films to investigate how the Third World is constructed as a distinct region; how its geography has influenced its history, cultural systems, and development prospects; and how residents have attempted to redefine the concept of “development.”

GEA 3563. The Mediterranean (3). This course analyzes the Mediterranean region as a unified totality (southern Europe and North Africa), focusing on historical changes that underpin current geography.

GEA 4213. U.S. National Parks (3). This course reviews the history, social, and environmental significance of America’s national parks.

GEA 4405. Latin America (3). This course focuses on the contemporary Latin American landscape, its historical formation, societies and problems.

GEA 4500. Europe (3). This course focuses on Europe’s terrain, variety of cultures, economies, and recent trends toward unity.

GEA 4520. Britain and Ireland (3). This course examines the physical and human geography of the United Kingdom and Ireland.

GEA 4554. Russia and Southern Eurasia (3). This course explores the peoples, cultures, and places of the former Soviet Union. Discusses the region’s natural environment, historical development, and contemporary politics.

GEA 4635. Geography of the Middle East (3). This course reviews the history and essential economic and environmental factors of the Middle East region. The centrifugal and centripetal forces affecting development, culture, religion, ethnicity, and geopolitics.

GEO 1330. Environmental Science (3). This course explores the causes of local and global environmental problems and their impacts, including resource use, pollution, ecosystems, and population growth.

GEO 1400. Human Geography (3). This course is an introductory survey of world cultures, population problems, global economic restructuring, international development, and political interdependence.

GEO 1931r. Colloquium in Social Science and Public Affairs (1). This course provides a venue for discussing key issues and controversies that students are likely to encounter as they pursue a major in one of the social sciences. Students learn critical skills in debating public policy issues while also gaining an appreciation for topics that shape everyday life. Those topics are impacted by social forces, economic dynamics, and governmental decisions around the world. May be repeated to a maximum of two hours.

GEO 2200C. Physical Geography (3). This course is an overview of Earth-sun relations, weather, climate, landforms, water systems, soils, and vegetation.

GEO 3423. Sports Geography (3). This course focuses on the geographical basis of sports at different spatial scales, including locational strategies of franchises, recruiting patterns, and the urban political economy of professional sports arenas.

GEO 3502. Economic Geography (3). This course examines the geography of economic activity at local, national, and global scales: historical development of capitalism, regional development, spatial structure of agriculture, manufacturing and services, the global economy, third world poverty, and population growth.

GEO 4114. Environmental Field Methods (3). This course focuses on the design and implementation of a field-based project employing field sampling, GIS, GPS, and exploratory statistical methods.

GEO 4162C. Spatial Data Analysis (3). This course is an introduction to quantitative analysis of spatial data including measures of central tendency and dispersion, probability, sampling, statistical testing, correlation, point pattern analysis, and trend surface analysis.

GEO 4300. Biogeography (3). This course examines the spatial distributions of flora and fauna, ecosystem change, and human interventions such as logging, invasive species, and wilderness preservation.

GEO 4340. Living in a Hazardous Environment (3). This course explores types of environmental hazards (natural and human-made) and their effects, techniques for the analysis of risks, strategies for recovering losses.

GEO 4357. Environmental Conflict and Economic Development (3). This course examines controversies over the use, transformation, and destruction of nature, including political ecology.

GEO 4372. Natural Resource Assessment and Analysis (3). This course examines the assessment and analysis of policies concerning natural resources and environmental management in the U.S. and internationally.

GEO 4376. Landscape Ecology (3). Prerequisites: GEO 1330, GEO 2200C, and GIS 4043. This course offers a review of methods on analyzing geographic patterns of natural phenomena, including ecological conservation, natural resource management, landscape and urban planning, as well as human-environmental interactions and implications. Familiarity with software packages such as ArcGIS is assumed.

GEO 4403. Global Change, Local Places (3). This course examines four aspects of global change—economic, environmental, cultural, and political—with a focus on how globalization is impacting individual countries and how places are responding to globalization’s challenges.

GEO 4421. Cultural Geography (3). This course studies the processes by which various cultural features have diffused throughout the world. Emphasis is on the contemporary cultural landscape.

GEO 4450. Medical Geography (3). Prerequisite: GEO 1400. This course applies geographical concepts and techniques to health-related problems, including the ecology of health, disease diffusion, medical cartography, and health care access.

GEO 4471. Political Geography (3). This course focuses on the spatial dimensions of political processes from the local to the global level, including elections and geopolitics of the world system.

GEO 4602. Urban Geography (3). This course explores the historical growth of cities; spatial structure of commercial, industrial, and public facilities within cities; residential segregation; urban poverty and fiscal distress, and urbanization in the third world.

GEO 4700. Transport Geography (3). This course offers a review of the literature and techniques for the spatial impacts of transportation systems, including functionality, and their role on society, the economy, energy, the environment, and sustainability.

GEO 4905r. Directed Individual Study (1–5). May be repeated to a maximum of nine semester hours.

GEO 4930r. Special Topics in Geography (1–3). May be repeated to a maximum of nine semester hours.

GEO 4932. Honors Work (1–6). May be repeated to a maximum of nine semester hours.

GEO 4941r. Internship (3–6). This course provides students with an opportunity to apply skills in supervised situations off-campus. Course may be repeated to a maximum of six semester hours. Only three may be counted toward the major.

GIS 3015. Map Analysis (3). This course is an introduction to the acquisition, processing, and presentation of cartographic data.

GIS 4006. Computer Cartography (3). This course is an examination of computer mapping systems, theory, methodology, and applications.

GIS 4035. Introduction to Remote Sensing (3). Corequisite: GIS 4035L. This course covers remote sensing foundations and the use of remote sensing for environmental and cultural applications. Focus is on the foundations of remote sensing, aerial photography and photogrammetry, characteristics of various sensing systems, remote sensing applications, and an introduction to digital image processing.

GIS 4035L. Introduction to Remote Sensing Lab (1). Corequisite: GIS 4035. This lab provides practice with the concepts and techniques in remote sensing. Specifically, the lab covers the foundations of remote sensing, aerial photography and photogrammetry, characteristics of various sensing systems, remote sensing applications, and basic skills in digital image processing.

GIS 4043. Geographic Information Processing and Systems (3). This course is a survey of GIS topics, including locational control, spatial data structures, modeling and analysis, and future trends in decision support, sensors, and geographic methods.

GIS 4043L. GIS Lab (1). Prerequisite: GIS 3015. Corequisite: GIS 4043. This laboratory is computer practice in the use of geographic information system software.

Graduate Courses

GEA 5195r. Advanced Area Studies (3).

- GEO 5058. Survey of Geographic Thought (3).
 GEO 5115. Environmental Field Methods (3).
 GEO 5118C. Introduction to Geographical Research (3).
 GEO 5165C. Quantitative Geography (3).
 GEO 5166. Advanced Quantitative Geography (3).
 GEO 5305. Biogeography (3).
 GEO 5345. Disaster Preparedness and Hazards Mitigation (3).
 GEO 5358. Environmental Conflict and Economic Development (3).
 GEO 5376. Landscape Ecology (3).
 GEO 5377. Natural Resource Assessment and Analysis (3).
 GEO 5378. Landscape Ecology (3).
 GEO 5414. Geospatial Data and Analysis (3).
 GEO 5417. Race and Place (3).
 GEO 5425. Cultural Geography (3).
 GEO 5451. Medical Geography (3).
 GEO 5472. Political Geography (3).
 GEO 5545. Advanced Economic Geography (3).
 GEO 5555. World Systems Theory (3).
 GEO 5704. Transport Geography (3).
 GEO 5705. Communications Geography (3).
 GEO 5908r. Directed Individual Study (1-6). (S/U grade only).
 GEO 5918r. Supervised Research (1-3). (S/U grade only).
 GEO 5934r. Seminar in Current Topics (1-3).
 GEO 5947r. Supervised Teaching (1-3). (S/U grade only).
 GEO 6093. Professional Development in Geography (3).
 GEO 6980r. Dissertation (1-12). (S/U grade only).
 GIS 5034. Introduction to Remote Sensing (3).
 GIS 5034L. Introduction to Remote Sensing Lab (1).
 GIS 5038C. Advanced Remote Sensing (3).
 GIS 5101. Introduction to Geographic Information Systems (3).
 GIS 5101L. GIS Lab (1).
 GIS 5106. Advanced Geographic Information Science (3).
 GIS 5111. Spatial Modeling in Geographic Information Science (3).
 GIS 5131. Geographic Visualization (3).
 GIS 5305. Geographic Information Systems for Environmental Analysis and Modeling (3).
 GIS 5306. Environmental Change Modeling (3).
 GIS 5400. Geographical Information Systems Applications in Social Sciences (3).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

GEOPHYSICAL FLUID DYNAMICS:
 see *Graduate Bulletin*

GERMAN:
 see *Modern Languages and Linguistics*

GERONTOLOGY:
 see *Aging and Public Policy, The Pepper Institute on*

GREEK:
 see *Classics*

**GROWTH MANAGEMENT AND COMPREHENSIVE
 PLANNING:**
 see *Urban and Regional Planning*

HEALTH EDUCATION:
 see *Middle and Secondary Education*

HEALTH-RELATED PROGRAMS

Numerous health-related programs at Florida State University address issues of prevention, treatment, rehabilitation, health sciences, and policy formulation. As part of an effort to develop and promote a coordinated plan for these programs, the following section lists and describes, by program/department, areas of study, services, degrees, and (in some instances) certification opportunities for students. For more detailed information and requirements, see individual program listings in this *General Bulletin*.

College of Communication and Information

The School of Communication Science and Disorders has a major in communication sciences and disorders and offers bachelor's, master's, and doctoral degrees. The scope of the school includes the whole of human communication, both normal and disordered. Students learn the total processes of communication, develop analytical and communication skills, and obtain experience in evaluation, treatment, and research. For additional information, please refer to the "School of Communication Science and Disorders" chapter in this *General Bulletin*, e-mail erica.lee@cci.fsu.edu, call (850) 644-2253, or visit <http://www.commdisorders.cci.fsu.edu/>.

The School of Communication Science and Disorders administers the interdepartmental certificate program in developmental disabilities. The purpose of this program is to provide upper-division undergraduate students from a variety of disciplines with knowledge regarding etiology, assessment, treatment, and policy issues related to individuals with developmental disabilities and their families. Students seeking certification must complete nine semester hours of coursework and three semester hours of practicum from an approved list of courses and practica. Courses are available in the following disciplines: art education; communication science and disorders; family and child sciences; middle and secondary education; music education/therapy; nursing; nutrition, food, and exercise sciences; physical education; psychology; and social work. For additional information, please refer to the "School of Communication Science and Disorders" chapter in this *General Bulletin*, e-mail linda.gessner@cci.fsu.edu or visit <http://www.commdisorders.cci.fsu.edu/>.

College of Human Sciences

The Department of Nutrition, Food and Exercise Sciences provides students with a solid foundation in the scientific aspects of nutrition, foods, health-related physical fitness, exercise sciences, and sports sciences through its bachelor, master's, and doctoral programs. Students are provided with in-depth study of the role that nutrition and physical activity play both in health and, in particular, the prevention of chronic disease. Any of the majors in the department may be used as pre-medical programs with inclusion of specific electives. For more information concerning pre-medical programs, contact the College of Medicine Pre-health Professions Advising Office at medinformation@med.fsu.edu or at (850) 644-5638.

Students pursuing a degree in exercise science combine their study of nutrient metabolism, chemistry, and physiology with courses in exercise physiology and health taught by the department faculty.

The dietetics degree is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) and particularly if followed up by an accredited dietetic internship, it prepares students to apply their expertise in nutrition science and food service management in a variety of employment settings such as hospitals, Health Management Organizations (HMO's), sports nutrition and corporate wellness programs, business and industry, public health, education, research, and private practice.

The food and nutrition science major has a strong science base and prepares students for employment in the food industry, government agencies, and graduate health programs.

The athletic training program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). The athletic trainer's professional preparation is directed toward the development of specified competencies in the following content areas: risk management and injury prevention; pathology of injuries and illnesses; assessment and evaluation; acute care of injury and illness; pharmacology; therapeutic modalities; therapeutic exercise; general medical conditions and disabilities; nutritional aspects of injury and illness; psychosocial intervention and referral; health care administration; and professional development and responsibilities. Through a combination of formal classroom instruction and clinical experience, the athletic trainer is prepared to apply a wide variety of specific health care skills and knowledge within each of the domains.

The Sports Sciences Major of the Master's of Science Degree in Exercise Science is designed for students with an interest in strength and conditioning, human/athletic performance, and athletic training/sports medicine. The Program provides an opportunity for students to gain advanced knowledge, skills, and abilities in sports sciences through a combination of didactic in-

struction, laboratory experiences, and supervised practica. Research projects oriented toward some aspect of strength and conditioning, human/athletic performance, or athletic training/sports medicine are available for those interested in the thesis option. Graduates of the major will be academically prepared to sit for the Certified Strength and Conditioning Specialist examination through the National Strength and Conditioning Association (NSCA).

Students at the master's level may elect the thesis or non-thesis option in one of six areas of emphasis: nutrition science, food science, clinical nutrition, nutrition education/health promotion, sports nutrition, exercise physiology, or sports sciences. Four areas of specialization exist at the doctoral level: exercise physiology, food science, nutrition, and neuroscience. Doctoral graduates continue to be recruited for academic positions, (e.g., assistant professor, and post-doctoral fellow) and by industry (particularly, food science majors) to research and develop new food products.

College of Nursing

The College of Nursing offers bachelors, masters, and doctoral degree programs. The mission of the College of Nursing is to develop nursing leaders for professional practice and research in diverse settings. Information regarding undergraduate programs is available from the Office of Student Services at (850) 644-3296. Graduates of the baccalaureate program are prepared for beginning levels of professional practice in a variety of settings. Graduates of the master's and doctoral programs are prepared for advanced professional positions. For additional information, please refer to the "Nursing" chapter in this *General Bulletin*, e-mail info@nursing.fsu.edu, call (850) 644-3296, or visit <http://nursing.fsu.edu/>.

College of Social Sciences and Public Policy

The College of Social Sciences and Public Policy offers the Master of Public Health (MPH) degree. MPH degree graduates will be trained principally as health policy analysts. They will have a rich background in epidemiology, health economics, health behavior, health administration, health policy and policy analysis, and statistical and qualitative analytic skills. Careers are likely to include government agency or legislative staff positions, policy and consulting firms, think tanks, advocacy organizations and lobbying firms, international organizations focused on health and population issues, academic or media positions.

The program offers a combined Bachelor of Science/Master of Public Health (BS/MPH) program that makes it possible for college seniors with a 3.0 or higher GPA to enroll in a limited number of graduate level MPH courses as elective hours toward their bachelor's degree. These courses may also count toward the MPH degree upon later acceptance and enrollment in the graduate program. For additional information, please refer to the "Public Health" chapter in this *General Bulletin*, e-mail william.weissert@fsu.edu, call (850) 644-4418, come by 211 Bellamy building, or visit <http://www.coss.fsu.edu/publichealth/>.

College of Social Work

The College of Social Work offers bachelor's and master's curricula that prepare professional social workers for practice with individuals, families, groups, and communities. This versatile and nationally accredited degree enables our graduates to work with diverse population groups in a wide variety of settings. The academic design includes both classroom and field instruction. The college also has a doctoral program that develops social work scholars and leaders in research and teaching.

Social workers are employed in mental health centers, schools, hospitals, home health agencies, runaway shelters, protective services, teen pregnancy programs, battered women's shelters, correctional facilities, family and children's agencies, private and public organizations, hospices, medical clinics, nursing homes, psychiatric facilities, and veterans' and military programs.

Opportunities are also available to expand electronic technology skills for use with clients, participate in ongoing research projects, and become involved in community service activities. All of our classrooms are fully connected with the Internet, and both instructors and students use these resources regularly during class sessions. For information, please refer to the "Social Work" chapter in this *General Bulletin*, e-mail info@csf.fsu.edu, call (800) 378-9550 or (850) 644-4751, or visit <http://csf.fsu.edu/>.

HIGHER EDUCATION: see Educational Leadership and Policy Studies

HEALTH SERVICES ADMINISTRATION AND POLICY:
see *Graduate Bulletin*

HEBREW:
see Religion

Department of HISTORY

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://www.history.fsu.edu>

Chair: Grant; **Associate Chair (Graduate Studies):** Creswell; **Associate Chair (Undergraduate Studies):** Liebeskind; **Professors:** Blaufarb, Gellately, Grant, Gray, J. Jones, M. Jones, Jumonville, McMahon, Wynot; **Associate Professors:** Creswell, Davis, Doel, Frank, Garretson, Harper, Herrera, Koslow, Liebeskind, Piehler, Sinke, Stoltzfus, Upchurch, Williamson; **Assistant Professors:** Avina, Hanley, Mizelle; **Professors Emeriti:** Anderson, Bartlett, Betten, Bryant, Conner, Horward, Keuchel, Moore, Oldson, Richardson, Ripley, Rogers, Rubanowice, Singh, Strait, Turner

History is a liberal discipline that enables students to put their lives in the contemporary world in a broad and meaningful context. It encompasses all aspects of human development chronologically, from ancient times to the present, and topically, in all areas of human interest.

An undergraduate degree in history prepares a student for vocations that require skills in critical thinking and ability in written and oral expression. Combined with certification requirements for social sciences, it can lead to a teaching career in middle or high school. It is an excellent preparation for graduate school or law school and is also desirable for those seeking positions in government or business who require a broad, liberal education rather than technical training.

The department participates in the undergraduate programs in American and Florida studies, Asian studies, humanities, international affairs, Latin American and Caribbean studies, Russian and East European studies, and in the honors in the major program.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in history satisfy this requirement by earning a grade of “C–” or higher in CGS 2060, CGS 2064, CGS 2100, or EME 2040.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.fvc.org/fvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutes necessary for admission into this upper-division degree program:

1. AFH XXXX or AMH XXXX or EUH XXXX or WOH XXXX or LAH XXXX or ASH XXXX or HIS XXXX
2. AMH XXXX or EUH XXXX or WOH XXXX or LAH XXXX or AFH XXXX or ASH XXXX or HIS XXXX

Requirements for a Major in History

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this *General Bulletin*.

Major

Prior to Fall 2012

Thirty-three semester hours, including WOH 1023, 1030; AMH 2010, 2020 (for the application of test credit to the major, see below); and a minimum of twenty-one additional semester hours in history (above 2999) distributed as follows:

1. Six semester hours of American history
2. Six semester hours of European history
3. Six semester hours of Latin American, Asian, African, or Russian history
4. Three semester hours of HIS 4935 Senior Seminar.

Note: Senior seminar is not offered during the summer terms. Directed individual studies and tutorials may not be counted toward the major.

At least eighteen of the thirty-three required semester hours must be earned at Florida State University. All graduating seniors must complete exit questionnaires as part of the degree.

Fall 2012 and After

Thirty-nine semester hours, including WOH 1023, 1030; AMH 2010, 2020 (for the application of test credit to the major, see below); and a minimum of twenty-seven additional semester hours in history (above 2999) distributed as follows:

1. Six semester hours of American history
2. Six semester hours of European history
3. Six semester hours of Latin American, Asian, African, or Russian history
4. Six additional semester hours of history of any area
5. Three semester hours of HIS 4935 Senior Seminar

Note: Senior seminar is not offered during the summer terms. Directed individual studies and tutorials may not be counted toward the major.

At least twenty-one of the thirty-nine required semester hours must be earned at Florida State University. All graduating seniors must complete exit questionnaires as part of the degree.

Minor Requirement for History Majors

A minor of twelve semester hours beyond liberal studies requirements in an approved departmental field or fifteen semester hours in an interdepartmental area is required. Individual departments and interdepartmental areas may impose additional requirements. The student should consult the appropriate departmental chapter of this *General Bulletin* to see if the department has further requirements.

The student may not count toward the major or minor any course in which a grade below “C–” is received. A minimum GPA of 2.0 within both the major and the minor is required.

Double Majors

Students pursuing a double major must meet the program requirements of both majors, with the following exceptions: (1) No more than six semester hours may be overlapped (i.e., counted toward both majors); and (2) no minors are required for the double major.

Test Credit toward the Major (AP, CLEP, IB)

A student who has earned test credit in American history must not take either AMH 2010 or 2020. A student who has earned test credit in European history must not take EUH 2000, WOH 1023, or WOH 1030. Students with three semester hours of test credit in an area will be required to complete the resulting three semester hour shortfall per area toward the major. For information regarding the fulfillment of this policy, please contact the history department adviser.

Honors in the Major

Honors work in the major is offered to encourage talented juniors and seniors to undertake independent and original research as part of the undergraduate experience. For requirements and other information, see the “University Honors Office and Honor Societies” chapter of this *General Bulletin* and the associate chairman for undergraduate studies in history.

Certification in Social Science Education with History Concentration

All undergraduates interested in certification in social science education should take the core courses as part of their liberal studies requirements; therefore, they are urged to consult an adviser in the College of Education as early as possible. Students seeking certification must also apply for admission to teacher education. Application forms are obtained from the College of Education’s office of student services. A student should have and maintain a 2.75 overall GPA in all courses to be eligible.

Requirements for a Minor in History

Twelve semester hours beyond liberal studies requirements in history courses numbered above 2999 are required. A grade of “C–” or better must be earned in each course counted toward the minor. At least six of the twelve semester hours must be earned at Florida State University. Directed individual studies, tutorials, and test credit may not be counted toward the minor.

Definition of Prefixes

AFH—African History

AMH—American History

ASH—Asian History

CLA—Classical and Ancient Studies

EUH—European History

HIS—General History and Historiography

LAH—Latin American History

WOH—World History

Note: Courses marked with (*) are not part of the current course rotation.

Undergraduate Courses

Note: History majors must take the sequence of either WOH 1023–1030 or EUH 2000–WOH 1023 (unless they have test credit in European or world history, or transfer credit equivalent to these courses). Similarly, history majors must take the sequence of AMH 2010–AMH 2020 (unless they have examination credit in any U.S. history, or transfer credit equivalent to these courses.) No other history courses below the 3000-level will count toward the history major.

Liberal Studies Area III Courses

Note: In order to fulfill the liberal studies requirement in history, a student must complete a minimum of three semester hours from this list: AMH 1091, AMH 2010, AMH 2020, AMH 2095, AMH 2096, AMH 2097; AMH2583, ASH 1044, ASH 3100; EUH 2000; LAH 1093; WOH 1023, WOH 1030. Each of the courses in the history liberal studies area shall include a substantial writing component, defined as 3,000 words per course.

AMH 1091. The African-American Experience in the United States (3). This course examines, both chronologically and thematically, the experience of African-Americans in the United States and their role in shaping the nation's history. The course does not count as credit toward the history major.

AMH 2010. A History of the United States (3). This course is a survey of United States history with emphasis on social, economic, and political issues up through the Civil War. May not be taken by students with test credit in American history.

AMH 2020. A History of the United States (3). This course surveys the United States from the end of the Civil War to the present with emphasis on social, economic, and political problems of the 20th century. May not be taken by students with test credit in American history.

AMH 2095. The American Indians and the United States (3). This course surveys American Indian relations with the people and the government of the United States, beginning in the 1760s and continuing to the present. The course examines the Indians' diplomatic and military struggles, first to retain their territories and later to maintain some level of self-determination and cultural integrity. Students are also exposed to the Indian perspective on familiar historical events such as the Civil War, the New Deal, and the 1960s. The course does not count as credit toward the history major.

AMH 2096. Black Women in America (3). This course examines (using both a chronological and a thematic approach) the unique experience of the African-American woman in the United States and the role that black women have played in shaping this nation's history. The course does not count as credit toward the history major.

AMH 2097. Nationality, Race, and Ethnicity in the United States (3). This course explores the history of immigration to the United States. Topics include the evolution of ethnic cultures and the role of race, acculturation, and assimilation, and the conflict from colonial times to the present. The course does not count as credit toward the history major.

AMH 2583. History of the Seminoles and the Southeastern Tribes (3). This course presents a history of the Seminole tribe in the changing racial, ethnic, economic, political, and cultural context of the Southeastern United States from the fifteenth century to present.

***AMH 3470. The Evolution of Organized Crime (3).** This course discusses the evolution of organized crime in the United States, the social and legal factors that contributed to its development, and the ethnic groups involved.

ASH 1044. Middle Eastern History and Civilization (3). This introductory course is on Middle Eastern history and culture with a considerable emphasis on the impact of religion: Christianity, Judaism, and Islam. The primary emphasis of the course is to understand the historical and cultural background of the major problems facing the Middle East today. The course does not count as credit toward the history major.

ASH 3100. History of Asia (3). This course is an introduction to political, cultural, and economic Asian history from antiquity to the present. It places special emphasis not only on the study of important Asian kings and leaders but also on the various religions that originated in Asia.

EUH 2000. Ancient and Medieval Civilizations (3). This course provides a survey of Western traditions from the beginnings through the end of the Middle Ages. Emphasis is on patterns of thinking and on those institutions most distinctive for the Western tradition. Students who have previous college credit in Western civilization courses covering the same general chronological period cannot receive credit for EUH 2000. May not be taken by students with test credit in European history.

EUH 3205. 19th-Century Europe: A Survey (3). This course focuses on the history of Europe from the close of the Napoleonic Wars to the turn of the century, a period in which Europe was at the height of its wealth and power. Particular attention is paid to the major powers.

EUH 3530. England, the Empire and the Commonwealth (3). This course offers a history of Great Britain and the Empire-Commonwealth since 1783 and developments within the Commonwealth itself. Some consideration is given to post-World War II changes within Britain and to Britain's foreign affairs.

HIS 3464. History of Science (3). This course is a study of the mutually-shaping relationships between social and political ideas and the histories of the various sciences.

LAH 1093. Latin America: A Cross-Cultural History (3). This course is a cross-cultural history of Latin America focusing on women, Native Americans, African-Americans, mestizos, and mulattoes in historical context. The course does not count as credit toward the history major.

WOH 1023. The Modern World to 1815 (3). This liberal studies course deals with the origins and development of political, economic, social, and intellectual antecedents of the modern world from the end of the Middle Ages to 1815. Students who have previous college credit in Western civilization courses covering the same general chronological period cannot receive credit for WOH 1023. May not be taken by students with test credit in European history.

WOH 1030. The Modern World Since 1815 (3). This liberal studies course deals with the origins and development of political, economic, social, and intellectual antecedents in the modern world since 1815. Students who have previous college credit in Western civilization courses covering the same general chronological period cannot receive credit for WOH 1030. May not be taken by students with test credit in European history.

African History

***AFH 1000. African History and Civilization (3).** This introductory course for African history and civilization covers the broad sweep of African history and culture. The primary emphasis is to understand the background to some of Africa's major problems and possibilities today. The course does not count as credit toward the history major.

***AFH 3451. Sub-Sahara Africa Since 1800 (3).** This course offers a history of Sub-Sahara Africa since 1800, in an effort to provide an understanding of the background and problems of some of the African states today.

AFH 4302. North African History: A Survey (3). This course concentrates on the modern history of North Africa including: Maghrib, Morocco, Algeria, Tunisia, Libya, Egypt, Sudan, Ethiopia, and Somalia. It is intended to provide an understanding of the background and problems of North African states today.

American History

AMH 2583. History of the Seminoles and Southeastern Tribes, Pre-Contact to Present (3). This course presents a history of the Seminole tribe in the changing racial, ethnic, economic, political, and cultural context of the Southeastern United States from the fifteenth century to present.

AMH 3310. Social History of the United States (3). This course offers an analysis of the day-to-day lives of American people. Topics include morals, manners, religion, family, social class, health, and occupations.

***AMH 3319. The Evolution of Law, Crime, and Justice in American Society, to 1876 (3).** This course offers an intermediate level survey of the social and political developments in the fields of law and criminology, from the colonial era through Reconstruction. The course focuses upon social problems, criminal behavior, punishments, changing definitions of citizenship, and the Constitution.

AMH 3351. U.S. Political History to 1877 (3). This course covers the colonial and revolutionary background of U.S. politics. Topics cover U.S. political parties and elections from the 1790s to 1877, emphasizing the presidency and the groups and issues that have influenced political parties.

AMH 3352. U.S. Political History from 1877 to the Present (3). This course studies U.S. political parties and elections from the end of Reconstruction to the present. Special emphasis is placed on the presidency and on the groups and issues that have influenced political parties. AMH 3351 is not a prerequisite for 3352.

***AMH 3444. History of the Trans-Mississippi American West (3).** This course covers the history of the Trans-Mississippi West during the nineteenth century. Students are expected to develop an understanding of this area as a geographical region and its role in American history beginning with the early nineteenth century explorations and culminating with the symbolic "closing of the frontier" of the 1890s.

***AMH 3470. The Evolution of Organized Crime (3).** This course discusses the evolution of organized crime in the United States, the social and legal factors that contributed to its development, and the ethnic groups involved.

***AMH 3472. Evolution of Law, Crime, and Justice in American Society: 1865 to the Present (3).** This course serves as an intermediate level survey of the social and political developments in the fields of crime and law from the end of the Civil War to the present. Its focus is on the changing definitions of criminal behavior, regional patterns of crime, the changing nature of punishment, and Constitutional issues relating to crime.

AMH 3540. Military History of the United States (3). This course is a survey of both the military experiences and issues in American history. The course analyzes war, its economic issues, technological developments, politics, and other factors that have influenced the military aspects of American history.

***AMH 3544. The United States and Vietnam, 1941–1975 (3).** This course examines the involvement of the United States in Vietnam from World War II through the fall of Saigon in 1975 and considers the legacy of this experience for American foreign relations and society.

AMH 4110. Colonial America to 1763 (3). This course studies and compares the founding and development of the English colonies in North America.

AMH 4130. Revolutionary America, 1760-1788 (3). This course examines the political, social, and economic history of British America from the end of the Seven Years War to the ratification of the U.S. Constitution. Emphasis is placed on the origins, course, and aftermath of the colonial rebellion that became the American Revolution and led to the founding of the U.S. The course considers the fundamental causes of the Revolution and the many ways in which the former colonies were transformed by the experience.

AMH 4172. The Civil War Era (3). This course offers an in-depth study of the twenty years from 1845 to 1865. Emphasis is placed on the coming of the Civil War, the secession crisis, and on both the military and nonmilitary events of the war years.

AMH 4173. Post-Civil War America, 1865-1890 (3). This course analyzes post-Civil War America with emphasis on the black role in American society and the attempt to heal the wounds of the Civil War. Topics include the rise of big business, labor unions, and the last frontier.

AMH 4220. U.S. Progressive Era, 1890-1920 (3). This course includes a study of the development of domestic and foreign policy, the revolution of social thought, and the paradoxical path of reform in urbanized, industrial America. Emphasis is placed on the nation's effort to accommodate old values with the new realities.

AMH 4231. The United States, 1920-1945: Prosperity, Depression, and World War II (3). This course offers an overview of U.S. history from 1920 through 1945. Topics include political, economic, diplomatic, military, social, and cultural and intellectual developments during that period.

AMH 4270. The United States Since 1945 (3). This course focuses on the political and cultural issues faced by the United States during the period of the Cold War (1945 to 1988). Special attention is given to postwar affluence, suburban America, the mass society, the movement from isolationism to interventionism, McCarthyism, the civil rights movement, social conflict in the 1960s, and the rise of postwar conservatism.

AMH 4273. America in the 1960s (3). This course examines selective aspects of the era known as "the sixties." Spanning two decades, it starts in 1954 with the decision to integrate America's schools as a flash point for the civil rights struggle, and it concludes in 1974 with Richard Nixon's resignation, the final statement in the Watergate affair. During those years of intense and accelerated change, civil rights, black power, the war in Vietnam, radical politics, and the counter culture divided the country so passionately that at times it appeared as though the nation might come apart.

AMH 4331. U.S. Intellectual History I: Beginning to 1880 (3). This course offers an interdisciplinary study of American thought from the Puritans to the late 19th century, asking, among other questions, what mission America assigned to itself. Topics include Puritanism, the Revolutionary ideology, federalism, the American Enlightenment, romanticism, individualism, and manifest destiny.

AMH 4332. U.S. Intellectual History II: 1880 to the Present (3). This course offers an interdisciplinary study of the impact on American thought of social Darwinism, industrialism, naturalism, the culture of consumption, radicalism, anticommunism, postindustrialism, and affluence. Examines the growth of cultural criticism as a task required of the 20th-century intellectual.

***AMH 4402. The Old South (3).** This course offers a study of the social and economic development of the Southern states from settlement by Europeans to the end of the Civil War with emphasis on the rise of the Cotton Kingdom and the causes of secession.

AMH 4403. The South Since 1865 (3). This course views the South both as a distinct region and as an area gradually coming back into "regular" American life after the Civil War. The unique problems of adjusting to defeat, the revolution in the labor system, and troubled race relations are considered.

AMH 4423. History of Florida from 1821 to the Present (3). This course covers the history of Florida from the period of its acquisition from Spain in 1821 until the present. The various "periods" in the state's past are discussed with special attention given to the period 1920 to the present.

AMH 4511. Twentieth-Century United States Foreign Relations (3). This course covers the responsibilities of global power and how American foreign policy changed to meet rapidly altering circumstances.

AMH 4530. U.S. Immigration History (3). This course explores the histories of different immigrant and migrant groups and how they have shaped and been shaped by the United States.

***AMH 4553. American Legal History I (3).** This course surveys the history of the U. S. Constitution up to 1800, including the British background, the first state constitutions, the Articles of Confederation, the Constitutional Convention, ratification debates, and first use of the Constitution in the 1790s. It concludes with the first major controversies faced by the founders, issues that the Constitution did not resolve for them easily. The course is not about constitutional interpretation or theories applied by the current Supreme Court.

***AMH 4554. American Legal History II (3).** This course surveys the history of both the U.S. Constitution and American law in the nineteenth century. Topics include the Marshall Court, slave law and the Dred Scott decision, the impact of the Civil War and Reconstruction on the law, and the effects of industrialization on American law. The course is not about constitutional interpretation or theories applied by the current Supreme Court.

AMH 4561. Women in 19th-Century America (3). This course examines the experiences of women in nineteenth-century America, focusing upon the ways gender, race, ethnicity, class, religion, and region interacted to shape women's lives. Examines women's family, work, social, and political roles. Also examines women's contributions and quest for equality.

AMH 4562. Women in Modern America (3). This course examines the experiences and contributions of women in twentieth-century America, with particular attention to the forces that served to differentiate the opportunities and roles of women from those of their male peers.

AMH 4571. Black America to 1877 (3). This course begins with the African background of Black Americans and ends with the final curtailment of Reconstruction in 1877. Although some portions of the course are topical, cutting across chronological divisions, there is a general chronological progression from colonial times to the end of Reconstruction.

AMH 4572. Black America Since 1877 (3). This course traces the social, economic, cultural, and political activities of African-Americans from Reconstruction through the Civil Rights Movement.

AMH 4585. History of the Seminole Indians (3). This course offers an ethnohistory of the Seminole Indians in Florida from prior to their formation, in the eighteenth century, to present. The course focuses on the Indians themselves and their experiences, exposing students to the history of the Seminole's culture, lifestyles, religions, economy, and tribal community.

AMH 4630. North American Environmental History (3). This course introduces the changing relationships between human beings and the natural world in America through time.

AMH 4634. Florida Environmental History (3). This course applies the methods and approaches of environmental history to Florida, considering the changing relationships between human beings and the natural world through time. The field explores how nature has helped to shape culture as well as how humans have modified the natural world and transformed the land.

AMH 4640. Humor and the American Mind (3). This course discusses American intellectual and cultural history from the eighteenth-century to the present, through the lens of humor. It investigates the relationship between American ideas and historical transformations. It uses humor to explore the connections and tensions between the various parts of the American mind.

Asian History

ASH 3230r. Middle East Survey: An Interdisciplinary and Introductory Course (3-6). This course introduces majors in an interdisciplinary fashion to Middle Eastern studies with the overall background to the history, civilization, culture, and religion of the Middle East. The course covers the broad sweep of Middle Eastern history and culture and includes language, religion, urban and regional planning, and the contemporary Middle East. May be repeated to a maximum of six semester hours.

ASH 4223. Modern Middle East (3). This course is an examination of modern Middle Eastern history, focusing on the origins of recent problems in the imperialistic era, the clash of political and cultural traditions, national rivalries, the impact of OPEC, the Palestinians, and the Iranian Revolution.

ASH 4261. Central Asia Since the Mongols (3). This course covers Central Asian history through the medieval and modern periods, with special emphasis on the political and ethnic histories of the Central Asian peoples.

ASH 4520. Traditional India (3). This course deals with the history of India from antiquity to the 17th century. It puts special emphasis not only on the study of Indian religions such as Hinduism, Buddhism, Jainism, and Sikhism, but also on the roles played by various important ancient and medieval kings.

ASH 4550. Modern India (3). This course is an introduction to the history of India from the 18th century to the present. It deals in depth with the impact of British rule on India and the lives of modern South Asian leaders like Gandhi, Nehru, and Jinnah.

Classical History

Note: The following history courses are offered through the Department of Classics.

ASH 3200. History of the Ancient Near East (3). This course is a survey of the Near East—Anatolia, Mesopotamia, Egypt, the Holy Land—in the ancient period.

CLA 4437r. Studies in Greek History (3). This course focuses on specified periods of Greek history, whether archaic, classical, or Hellenistic. May be repeated to a maximum of six semester hours.

CLA 4447r. Studies in Roman History (3). This course focuses on specified periods of Roman history in the Republic or Empire. May be repeated to a maximum of six semester hours.

EUH 4401. Classical Athens and Sparta (3). This course examines the history of Greece from the beginning to Alexander the Great. Emphasis on the social and political structures of Sparta and Athens.

EUH 4408. The Age of Alexander the Great (3). This course is a study of the Greek world from the death of Socrates (399 B.C.) to the Roman conquest (146 B.C., the sack of Corinth by Mummius).

EUH 4412. The Roman Republic (3). This course is a study of the history of Rome from its foundation (traditionally 753 B.C.) to the fall of the Roman Republic (31 B.C., The Battle of Actium).

EUH 4413. The Roman Empire (3). This course focuses on the Roman Empire from Augustus to Constantine. Emphasis on the evolution from the principate of the early empire to the monarchy of the late empire.

European History

EUH 3205. 19th-Century Europe: A Survey (3). This course focuses on the history of Europe from the close of the Napoleonic Wars to the turn of the century, a period in which Europe was at the height of its wealth and power. Particular attention is paid to the major powers.

EUH 3206. 20th-Century Europe: A Survey (3). This course covers European history from the turn of the century through the two world wars. Particular attention is paid to the major powers in this period when Europe declined from its preeminent position.

EUH 3293. Twentieth-Century Europe Through Film (3). This course uses film in combination with texts to introduce questions about some of the main themes in 20th-century European history. The course uses film to explore the relationship between modernity and 20th-century Europe, particularly the changing relationship of individuals to state and society, and attitudes about ethnicity, class, and gender. Topics include the possibilities and limitations of the individual in mass society, paying particular attention to themes of heroism, despotism, war, and lifestyle values.

***EUH 3431. Modern Italy (3).** This course traces the development of Italy from the Enlightenment to the present. Discussions concentrate on the major social, political, and intellectual currents, centering on the unification movement, the crisis of the Liberal State, and Fascism.

***EUH 3501. The Making of Modern England (3).** This course is a rapid survey of English history from Anglo-Saxon times to 1783. The lectures emphasize the constitutional and legal aspects of English history, while the readings cover broadly cultural and social aspects as well.

EUH 3530. England, the Empire and the Commonwealth (3). This course offers a history of Great Britain and the Empire-Commonwealth since 1783 and developments within the Commonwealth itself. Some consideration is given to post-World War II changes within Britain and to Britain's foreign affairs.

***EUH 3533. History of Ireland (3).** This course surveys the history of Ireland from pre-history and the Celtic-Gaelic settlement to the near-present. Examines the waves of settlers who came to the island since the Celts, and the problem of defining the Irish (i.e. the roles of religion and ethnicity). It cannot avoid treating in depth the tangled and tragic relations of the Irish with the kingdom of England, later Great Britain.

***EUH 3551. Modern Poland (3).** This course examines the social, economic, and cultural as well as political development of the Polish nation in the 19th and 20th centuries. Although particular stress is placed on internal history, appropriate attention is focused on Poland's role in international relations.

EUH 3571. Russia to Nicholas I (3). This course explores Russian history from the emergence of the Muscovite state through the establishment of the Romanov dynasty, to the reforms of Peter the Great and the enlightened despotism of Catherine the Great, and finally the nature of the state in the early nineteenth century.

EUH 3572. History of Russia, 1825 to the Present (3). This course examines the social, economic, and cultural as well as the political development of Russia from the reign of Tsar Nicholas I to the present day. Although particular stress is on internal history, appropriate attention is paid to Russia's role in international relations.

***EUH 4121. Earlier Middle Ages (3).** This course provides a survey of European history from c. 300 to c. 1150, from the origins of the medieval world in the Roman, Christian, and Germanic past through the gradual emergence of a distinctively European civilization to its first major period of expansion and accomplishment.

***EUH 4122. Later Middle Ages (3).** This course provides a survey of European history from c. 1150 to c. 1500, from the height of medieval civilization in Europe through the crises of the late Middle Ages to the recovery leading to a new age.

***EUH 4124. The Crusades (3).** This course provides a historical understanding of the material and spiritual basis for the reentry of Western Christendom into the Mediterranean world; the ways in which Crusaders organized, financed, and participated in Crusades and the impact this had on European institutions and thought; and the interrelations of Christians (East and West) and the Muslim world in the period of the Crusades.

***EUH 4140. Renaissance (3).** This course is a study of the character of medieval Italy and a survey of economic, political, and cultural changes in Western Europe.

***EUH 4144. Reformation (3).** This course is an examination of the Protestant and Catholic Reformations in Europe from 1517 to the Peace of Westphalia in 1648.

***EUH 4233. Rise of Nationalism (3).** This course analyzes the European struggle toward democracy and nationalism from the collapse of Napoleonic Europe to the establishment of the German Empire, emphasizing the development of liberalism, socialism, communism, etc.

EUH 4241. The Holocaust in Historical Perspective (3). This course details the background and career of the Holocaust as well as the continuing problem of "Holocaust denial." Special emphasis is given to the ideas of such racists as de Gobineau and Hitler.

EUH 4242. World War I: Europe, 1900-1918 (3). This course covers European history in the period 1900-1918 with a review of the domestic situation and foreign policy of the major Continental powers. It includes an analysis of the origins of the war, how and why the war was fought as it was, and the experience of the major powers on the home front.

***EUH 4282. Europe in the Cold War and Detente (3).** This course focuses on the post-World War II era in Europe, tracing occupation policies, the division of Europe East and West, the development of the major European states, and the efforts to arrive at detente in respect to East-West tensions.

EUH 4331. East Central Europe, 1815 to Present (3). This course examines the social, political, economic, and cultural development of the lands traditionally known as Poland, Hungary, Czechoslovakia, and the Baltic States from the Congress of Vienna to the present. Wherever possible, attempts are made to present issues within a comparative framework.

EUH 4332. Balkans Since 1700 (3). This course on Balkan history emphasizes the penetration of the Hapsburg and Russian empires, the decay of the Ottomans, and the emergence of the Balkan states after the wars of liberation, with stress on the cultural peculiarities of the various ethnic groups.

EUH 4452. The Age of the French Revolution, 1715-1795 (3). This course is a study of the 18th century and its transformation by the forces unleashed by the French Revolution. The radicalization of the Revolution is traced to the Terror and the overthrow of Robespierre's dictatorship.

EUH 4454. Napoleonic Europe, 1795-1815 (3). This course traces the rise of Napoleon and his impact—political, social, economic, military, etc.—on France and Europe, culminating in his defeat at Waterloo.

EUH 4465. Nazi Germany (3). This course examines the background of the Nazi regime, the character of Hitler's dictatorship, and the origins and course of WWII in its European context. Also examined is National Socialism's impact on German institutions and racial consequences.

EUH 4502. England Since 1870 (3). This course explores the history of Great Britain (since 1870) from a great world power to a European Common Market member. Economic, diplomatic, imperial, social, and political affairs are considered.

EUH 4512. Stuart England (3). This course covers the history of England from the reign of James I to the death of Queen Anne in 1714. Scottish history is covered as well, and due attention is given to Irish history and to such areas as the arts, literature, and political theory.

EUH 4520. England, 1714-1870 (3). This course investigates the social, cultural, and political history of Great Britain from 1714 to approximately 1870. Major themes include the evolution of social structures; new cultural trends; changing political culture, ideologies, and institutions, as well as the relationship between these perspectives.

EUH 4544. Sex and Class in England, 1750-1914 (3). This course offers students a perspective on the critical relations between class and gender in industrializing England, 1750-1914. Examines the lives and activities of English women, from the poorest to the wealthiest classes, against the background of the major dislocations occurring in British society during this period.

EUH 4574. 19th-Century Russia (3). This course is an examination of the history of Russia from 1801 to the beginning of the 20th century, with emphasis on foreign relations and the development of the political and social conflicts that resulted in the revolutions of 1917.

EUH 4576. 20th-Century Russia (3). This course examines the social, economic, cultural, and international, as well as political, development of Russia from the final years of Tsarist rule through the Bolshevik Revolution to its emergence as one of the world's superpowers in the 1990s.

EUH 4602. European Intellectual History, 1500-1800 (3). This course explores the history of ideas documenting transition from "Medieval Mind" to "Modern Mind," including impact of four Renaissances, Protestant Reformation, Scientific Revolution, and Age of Enlightenment. Interdisciplinary approach includes philosophy, literature, art, political theory, science, economic thought, religion, and music.

EUH 4603. European Intellectual History, 1800 to Present (3). This course explores the history of ideas in the last two hundred years, exploring the 19th century as the Age of "Isms" (including Liberalism, Conservatism, Communism, Romanticism, Idealism, Nationalism, Industrialism, Imperialism, Positivism, Darwinism, Historicism) and establishing the 20th century as the Age of Crisis in which traditional Western Civilization disintegrates.

HIS 4250. War and the Nation State (3). This course examines the phenomenon of war in its broader social-political-economic context from a historical and comparative perspective.

HIS4260. War and Society in the Age of Revolution (3). This course offers an overview of the interaction between war, social change, and political transformation during the Age of Revolution (1750-1850) in the Atlantic World.

SLI 3500. Slavic Culture and Civilization (3). This course examines the Slavic peoples, their cultures and traditions, from prehistory to present day. The nations profiled are Ukraine, Czech Republic, Poland, Croatia, Bosnia, and Serbia. Novels and film give students a perspective from the "inside." Taught in English.

WOH 4222. The Worlds of Captain Cook (3). This course explores the social and cultural worlds of the great 18th-century British navigator, James Cook. Specifically, the course explores the places where Cook went, the social world of the British Navy, the ethnohistorical dynamics of British-Native interactions in the Pacific, as well as Cook's legacy for the British and for the peoples of the Pacific.

Historical Administration

HIS 4065. Public History Theory and Methods (3). This course offers an overview of the different specialties of public history, the historic preservation movement in the US, archives, history museums, oral history, commemoration, and the use of new media for public presentations of history.

HIS 4164. Digital History (3). This course examines the theory and practice of the ways in which history is collected, preserved, and interpreted using digital mediums.

Latin American History

***LAH 3411. History of Mexico, Central America, and the Caribbean (3).** This course covers the history of Mexico, Central America, and the Caribbean nations of Cuba, Dominican Republic, Haiti, and Puerto Rico from the Indian civilizations of the remote past to the social conflicts of the present.

***LAH 3456. History of Panama Since 1940 (3).** This course covers the history of Panama from 1940 to the present. Emphasizes the impact of WWII, politics, social change, and democracy in Panama.

LAH 3500. History of South America (3). This course is an introductory survey from the Inca Civilization to modern Chile, Peru, Argentina, etc. Emphasis is placed on the contrasts and conflicts between Indian and European culture and on basic social, economic, and political evolution. The persistence of "underdevelopment" and poverty are also explored.

LAH 3734. Latin American History Through Film (3). This course is an introduction to Latin American history through films. Analysis of how Latin Americans are portrayed in international and national cinema. Integration of television and literature to illustrate the impact of mass media on Latin Americans.

LAH 4430. History of Mexico (3). This course covers the history of Mexico from the great Indian empires to the present, emphasizing the 19th and 20th centuries. Deals with cultural and social history as well as political movements.

***LAH 4470. History of the Caribbean (3).** This course focuses on Cuba, Puerto Rico, and other Caribbean societies. European and United States colonialism and local Caribbean forces are studied to help understand the area's social, economic, and political problems and prospects.

***LAH 4600. History of Brazil (3).** This course focuses on Latin America's largest and most populous nation is the subject of this course. Themes include the evolution of Brazil's multi-ethnic society, the struggle for economic development, and the search for a viable political regime.

LAH 4723. Race and Class in Colonial Latin America (3). This course is a comprehensive examination of Latin America from 1492 to 1830, with emphasis on native and African reactions to colonial rule and the creation and growth of multi-ethnic groups and their solidification into classes.

LAH 4748. Social Revolutionary Movements in Latin America (3). This course is a thematic coverage of the history of social revolutionary movements in Latin America, using specific case studies drawn from, among others, the Mexican, Bolivian, and Cuban revolutions.

Others

HIS 3464. History of Science (3). This course is a study of the mutually-shaping relationships between social and political ideas and the histories of the various sciences.

HIS 3491. Medicine and Society (3). This course examines the development of public health and the history of medicine in the United States from the colonial period to the present. Topics cover changes in the medical knowledge, the medical profession, government responsibilities, and public responses; how individuals accept, modify, or react to medical authority; how race, class, gender, and ethnicity shape health practices and the delivery of medical care; how the health of a community can be protected; and what constitutes a public health hazard.

HIS 3505. Perspectives on Science and Mathematics (3). This intensive writing course is designed for FSU-teach students only and focuses on the history and philosophy of science and mathematics from the ancient Greeks to the present day and how they are incorporated in secondary science and mathematics pedagogy.

HIS 3949r. Cooperative Education Work Experience (0). (S/U grade only.) This course does not count as credit toward the history major.

HIS 4070. Oral History (3). This course exposes students to the use of oral history as a research technique and provides experience in conducting professionally acceptable oral history interviews. The course does not count as credit toward the history major.

HIS 4080. Archives Management (3). This course examines the nature of archives; various types of records; arranging and processing archives; restoring and protecting records; archival institutions, policies, and procedures. The course does not count as credit toward the history major.

HIS 4081. Museum Management (3). This course examines the history and philosophy of museums, especially historical museums; organization and operation; planning exhibits; educational activities; and public relations. The course does not count as credit toward the history major.

HIS 4086. Historic Sites Identification and Preservation (3). This course focuses on the identification, preservation, and maintenance of historic sites; the historic preservation movement. The course does not count as credit toward the history major.

HIS 4906r. Directed Individual Study (1-4). May be repeated to a maximum of twelve semester hours. This course does not count as credit toward the history major or minor.

HIS 4930r. Special Topics in History (3). This course includes specialized approaches to history. Topics vary. The course may be repeated for different topics to a maximum of twenty-four semester hours.

HIS 4931r. Tutorial in History (1-2). Prerequisites: Senior history majors or minors status and instructor permission. This course covers selected topics in history. A maximum enrollment of five students in each tutorial. May be repeated only once and to a maximum of four semester hours. The course does not count as credit toward the history major or minor.

HIS 4935r. Senior Seminar (3). This course is an advanced training in historical methods and historiography. The historical material (African, American, Asian, British, European, Latin American, or Middle Eastern) varies from seminar to seminar depending upon the instructor's area of expertise. May be repeated to a maximum of six semester hours.

HIS 4936r. Honors Work (1-6). This course is open to participants in the University's and departmental honors program. The student must complete six thesis hours. The course does not count as credit toward the history major. May be repeated to a maximum of nine semester hours.

WOH 3228. Business and Globalization (3). This course familiarizes the student with the role of business and economics in shaping modern world history since 1500. It explores the themes of commerce, culture, and economic competition. Among the themes covered are industrialization and the development of the global economy, economic imperialism, the rise and spread of big business, and the emergence of Multinational Corporations. The course is oriented toward comparative approaches to these topics as they pertain to the various regions and countries around the world.

WOH 4235. Disease, Race, and Environment (3). This course examines the close relationship between disease, race, and environment in the development of civilizations of the world.

WOH 4244. World War II (3). This course deals with World War II on a global basis while avoiding the common Eurocentric approach. It also analyzes the character of the Pacific theater as well as that of the European war, presenting the student with insights into and contrasts between the various belligerents.

Graduate Courses

African History

AFH 5308. Northern African History (3).

American History

- AMH 5116.** Colonial American History to 1763 (3).
AMH 5139. Revolutionary America, 1760-1788 (3).
AMH 5177. The Civil War Era (3).
AMH 5229. U.S. Progressive Era, 1890-1920 (3).
AMH 5239. The United States, 1920-1945: Prosperity, Depression, and World War II (3).
AMH 5278. The United States Since 1945 (3).
AMH 5336. U.S. Intellectual History I: Beginning to 1880 (3).
AMH 5337. U.S. Intellectual History II: 1880 to the Present (3).
***AMH 5404.** The Old South (3).
AMH 5405. The South Since 1865 (3).
AMH 5424. History of Florida from 1821 to the Present (3).
AMH 5518. Twentieth-Century United States Foreign Relations (3).
***AMH 5555.** American Legal History I (3).
***AMH 5556.** American Legal History II (3).
AMH 5567. Women in 19th-Century America (3).
AMH 5576. Black America to 1877 (3).
AMH 5577. Black America Since 1877 (3).
AMH 5589. History of the Seminole Indians (3).
AMH 5635. Florida Environmental History (3).
AMH 5636. North American Environmental History (3).
AMH 5645. Humor and the American Mind (3).

Asian History

- ASH 5226.** Modern Middle East (3).
ASH 5266. Central Asia Since the Mongols (3).
ASH 5408. China Since 1898 (4).
ASH 5529. Traditional India (3).

Classical History

Note: The following history courses are offered by the Department of Classics.

- CLA 5438r.** Studies in Greek History (3).
CLA 5448r. Studies in Roman History (3).

European History

- *EUH 5125.** The Crusades (3).
***EUH 5127.** Earlier Middle Ages (3).
***EUH 5128.** Later Middle Ages (3).
***EUH 5146.** The Renaissance (3).
***EUH 5147.** The Reformation (3).
***EUH 5238.** Rise of Nationalism (3).
EUH 5246. World War I: Europe, 1900-1918 (3).
EUH 5249. The Holocaust in Historical Perspective (3).
***EUH 5285.** Europe in the Cold War and Detente (3).
EUH 5338. History of East Central Europe, 1815 to the Present (3).
EUH 5365. The Balkans Since 1700 (3).
EUH 5457. The Age of the French Revolution, 1715-1795 (3).
EUH 5458. Napoleonic Europe, 1795-1815 (3).
EUH 5467. Nazi Germany (3).
***EUH 5508.** England in the Middle Ages (3).
EUH 5509. Modern Britain Since c. 1870 (3).
EUH 5518. Stuart England (3).
EUH 5527. England, 1714-1870 (3).
EUH 5548. Sex and Class in England, 1750-1914 (3).
EUH 5578. 19th-Century Russia (3).
EUH 5579. 20th-Century Russia (3).
EUH 5608. European Intellectual History, 1500-1800 (3).
EUH 5609. European Intellectual History, 1800 to Present (3).
HIS 5256. War and the Nation State (3).

HIS 5265. War and Society in the Age of Revolution (3).

Historical Administration

- HIS 5067. Public History Theory and Methods (3).
 HIS 5077. Oral History (3).
 HIS 5082. Introduction to Archives (3).
 HIS 5083. Introduction to Historic Preservation (3).
 HIS 5084. Museum Management (3).
 HIS 5085r. Internship in Historical Management (4–8). (S/U grade only.)
 HIS 5089. Historical Administration and Public History Capstone Research Project (1–6). (S/U grade only.)
 HIS 5165. Digital History (4).

Latin American History

- LAH 5439. History of Mexico (2).
 *LAH 5475. History of the Caribbean (3).
 LAH 5727. Race and Class in Colonial Latin America (3).
 LAH 5749. Social Revolutionary Movements in Latin America (3).

Others

- HIS 5909r. Directed Individual Study (1–4). (S/U grade only.)
 HIS 5911r. Supervised Research (1–5). (S/U grade only.)
 HIS 5932r. Graduate Tutorial in History (1–2).
 HIS 5935r. Special Topics in History (3).
 HIS 5940r. Supervised Teaching (1–5). (S/U grade only.)
 HIS 6058. Approaches to History (4).
 HIS 6059. Historical Methods (3).
 HIS 6087. Museum Studies and Practice (3).
 HIS 6469. Historiography and Science (3).
 HIS 6500. History of Life Sciences (3).
 HIS 6909r. Directed Individual Study (1–4). (S/U grade only.)
 HIS 6934r. Special Topics in History (3).
 HIS 6941. Teaching History at the College Level (3).
 WOH 5226. The Worlds of Captain Cook (3).
 WOH 5238. Disease, Race, and Environment (3).
 WOH 5246. World War II (3).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

HISTORY AND PHILOSOPHY OF EDUCATION: see Educational Leadership and Policy Studies

Program in HISTORY AND PHILOSOPHY OF SCIENCE

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://hps.fsu.edu/>
Director: Michael Ruse

Florida State University offers a program in the history and philosophy of science, leading to an undergraduate minor or a Master's degree. The focus of the program is on the biological sciences, although we welcome applications from potential students interested in other areas of science. We take very seriously the importance of working on topics of relevance to the society in which we live, and we are strongly committed to an interdisciplinary approach, with involved faculty drawn broadly from across the University, especially the humanities and the natural sciences.

As a major university, we are able to offer opportunities for study and research in topics of particular pertinence to our region, such as racial issues, conservation and problems of pollution, and clashes between science and religion. We also have major strengths in other areas, including logic and formal methods, social philosophy, intellectual and cultural history, history of the South, African-American history, ancient science and mathematics, as well as evolution and ecology.

FSU has attractive competitive scholarships, and there are opportunities for research and teaching assistantships that include remission of tuition. Strong library facilities exist, and we are building further on these. We are committed to helping our students when they complete their degrees, either to further graduate work or to enter the work force. The master's degree with its multidisciplinary breadth is appropriate for those interested in pursuing a Doctor of Philosophy (PhD) in philosophy, history, religion, or biology. It is also suitable for those undergraduates who would like to combine it with one of the traditional disciplines in our combined Bachelor's-Master's program. In all cases, we will aim to tailor individual course programs to suit students' needs.

The program hosts an annual conference or workshop supported by the Werkmeister Fund. Those interested in learning more about the degree, or in enrolling, should consult our Web site and contact the office of the Director.

Requirements for the Minor

The minor is twelve semester hours and must include one philosophy of science course and one history of science course, or equivalent.

If used to fulfill the HPS minor, none of these courses may also be used to fulfill liberal studies or major degree requirements.

Some of these courses have prerequisites; students should check with the department that offers the course. A grade of "C–" or better must be earned in each course. Listed below are some of the classes that may be used to fulfill the minor. This is by no means an exhaustive list of all possible courses one can take to fulfill the minor requirements. Students should contact Rebecca Burnham in the History and Philosophy of Science Program at (850) 644-7248 or by e-mail at rburnham@fsu.edu with questions about any other possible courses that may be used to fulfill minor requirements. Descriptions of the course suggestions listed below may be found in the individual department chapters of this *General Bulletin*.

- AMH 4630 North American Environmental History (3)
 AMH 4634 Florida Environmental History (3)
 ANT 2511 Introduction to Physical Anthropology and Prehistory (3)
 ANT 4553 The Great Apes (3)
 ANT 4586 Human Evolution (3)
 BSC 1005 General Biology for Non-Majors (3)
 BSC 2010 Biological Science I (3)
 HIS 3464 History of Science (3)
 HIS 3491 Medicine and Society (3)
 HIS 4930 Special Topics in History (3)
 ISC 3076 Science, Technology, and Society (3)
 PCB 3043 General Ecology (3)
 PCB 4674 Evolution (3)
 PHI 2100 Reasoning & Critical Thinking (3)
 PHI 2620 Environmental Ethics (3)
 PHI 3130 Introduction to Symbolic Logic (3)
 PHI 3400 History and Philosophy of Science (3)
 PSB 2000 Intro to Brain and Behavior (3)
 PSB 4461 Hormones and Behavior (3)
 REL 3145 Gender and Religion (3)
 REL 3180 Bioethics (3)
 REL 3493 Religion and Science (3)

REL 4359 Special Topics in Asian Religions (3)

WOH 4235 Disease, Race & Environment (3)

Note: Additional prerequisites or corequisites for these courses may be required by the respective department in which they are offered. Please see the course listings found in the academic department sections of the current graduate or undergraduate edition of the *General Bulletin* at <http://registrar.fsu.edu/bulletin/>.

Definition of Prefixes

HPS—History and Philosophy of Science

Undergraduate Courses

HPS 3313. The History of Sexual Science (3). This course examines the history of attempts to build a science around human sexual behavior, more specifically, how the project of building a “sexual science” (*scientia sexualis*) was predicated on the idea that, by nature, human beings have a “sexuality” that can be expressed or repressed. The course asks “How has science served to define what counts as ‘normal’ sexual behavior?” and “How has the discourse of scientific ‘sexuality’ participated in explicitly political projects?”

HPS 3320. Screening the Scientific Life: Cinema and the Cultural Image of Science (3). This course examines how cinema has provided a unique framework for wrestling with the implications of the modern scientific enterprise, examining how easily scientific rationality can be harnessed to both moral and immoral ends and what kind of world that science has produced. By probing a variety of genres - including biography, documentary, historical drama, science fiction, political satire, and horror - this course observes the cinematic and cultural desire to make sense of science. A critical element of the course is diversity in the Western culture through the lens of race, class, gender, and ethnicity.

HPS 3323. History and Philosophy of Environmental Science (3). This course examines the development of public health and the history of medicine in the United States from the colonial period to the present. The course examines changes in medical knowledge, the medical profession, governmental responsibilities, public responses; how individuals accept, modify, or reject medical authority; how race, class, gender, and ethnicity shape health practices and the delivery of medical care; how we protect the health of a community; and what constitutes a public hazard.

HPS 4260. Empiricism Before Science: Religion, Natural History, and Natural Philosophy (3). This course adopts a historiographical perspective and explores the idiosyncratic projects, socio-cultural contexts, and theological horizons of early modern natural philosophy and natural history. Topics draw on primary and secondary sources and include the role of “spirits” in corpuscular philosophy and the place of “monsters” in the natural world.

Graduate Courses

HPS 5340. Freud and the Invention of the Modern Mind (3).

HPS 5345. Power, Knowledge and Control: Foucault and the History of the Human Sciences (3).

HPS 5900r. Directed Individual Study (1-4). (S/U grade only.)

HPS 5970r. Thesis (1-4). (S/U grade only.)

Dedman School of HOSPITALITY

COLLEGE OF BUSINESS

Web Page: <http://dsh.fsu.edu/>

Director and Robert H. Dedman Professor: Jane Boyd Ohlin; **Professors:** Bonn, Brymer, Harris, Kim; **Associate Professors:** Ohlin, Lanford; **Assistants in Hospitality:** Farr, Koenigsberg, Gonzalez, Hanks; **Cecil B. Day Professor of Lodging Management:** Brymer; **Robert H. Dedman Professor in Service Management:** Bonn; **Robert H. Dedman Professor in Hospitality Management:** Kim

The program in hospitality management was established in 1947 in recognition of the demand for hotel and restaurant industry executives, with the objective of providing the kind of education tomorrow’s hospitality leaders will need. The curriculum is designed so that students must meet high standards of achievement in general education and must acquire not only the specialized knowledge needed for their hospitality industry careers, but also understand the basic functions, objectives, and tools of management that are common to executive roles.

The Dedman School of Hospitality is located in the South Building of the *University Center*, which provides for the specialized academic/training objectives established by the school. In addition to classrooms, this state-of-the-art facility provides hospitality students with a teaching kitchen, a technology center, an academic advising office, and a placement center. The building also contains an affiliated 35,000 square-foot, professionally managed city club that provides hospitality students with real-world food and beverage experience in elegant surroundings.

The Dedman School of Hospitality also houses one of a select group of professional golf management (PGM) majors accredited by the Professional Golfers Association (PGA). The Don Veller Seminole Golf Course and the Dave Middleton Golf Complex are home to the PGA Golf Management major. A state-of-the-art training facility, a pro shop, a restaurant, faculty offices, and classrooms complement the 18-hole golf course.

One of the most rewarding benefits of an education in hospitality management or professional golf management at Florida State University is that through the years a personal, intimate, congenial climate, in which students may develop to their fullest potential, has remained a chief attraction. All of the school’s energies and resources are devoted exclusively to preparing each student for a professional career.

The Dedman School of Hospitality is nationally and internationally recognized as one of the best. Many firms visit the school each year to interview students for entry-level management positions. Graduates of the program enjoy top managerial and ownership positions in clubs, restaurants, hotels, resorts, institutions, and other facets of the hospitality and golf industries. The requirement of a professional management internship and on-the-job experience, where the student applies classroom knowledge to the workplace, prepares the Dedman School of Hospitality graduate for the operational challenges of industry.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in hospitality and professional golf management satisfy this requirement by earning a grade of “C-” or higher in CGS 2100 (state mandated business prerequisite requirement) or CGS 2518.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. ACG X021 or ACG X022, or ACG X001 and ACG X011
2. ACG X071

3. CGS X100 (or demonstrated competency) or CGS X100C or CGS X530 or CGS X570 or CGS X060 or CGS X531 or CGS X000 or MAN X812 or CGS X518
4. ECO X013
5. ECO X023
6. MAC X233 or MAC X230 or MAC X105
7. STA X023 or STA X122 or QMB X100

Note: Students applying for the FSU PGA golf major must also have a golf handicap of twelve or better. Transfer students will take PGM coursework the first semester enrolled.

Requirements for a Major in Hospitality Management

All students must complete:

1. University-wide baccalaureate degree requirements summarized in the "Undergraduate Degree Requirements" chapter of this *General Bulletin*
2. lower-level course requirements for hospitality majors
3. upper-level course requirements for hospitality management majors

Note: To be admitted to the upper-division hospitality management major, students must (1) have completed at least fifty-two semester hours, (2) have completed ACG 2021, ACG 2071, CGS 2100 or CGS 2518, ECO 2013, ECO 2023, MAC 1105, and STA 2023 with a grade of "C-" or better in each course, and (3) have an overall GPA of at least 2.5 on all prior college level work.

Lower Level Course Requirements for Hospitality Management Majors

All hospitality management majors must earn a grade of "C-" or better in each course below.

ACG 2021	Introduction to Financial Accounting (3)
ACG 2071	Introduction to Managerial Accounting (3)
CGS 2100	Microcomputer Applications for Business (3) or CGS 2518 Spreadsheets for Business (3)
ECO 2013	Principles of Macroeconomics (3)
ECO 2023	Principles of Macroeconomics (3)
HFT 1000	Introduction to Hospitality and Tourism (3)
MAC 1105	College Algebra (3)
STA 2023	Fundamental Business Statistics (3)

Upper Level Course Requirements for Hospitality Management Majors

All hospitality management majors must complete fifty-one semester hours as listed below with a grade of "C-" or better in each course used to satisfy the hospitality management upper-level course requirements.

GEB 3213	Business Communications (3)
HFT 3424	Cost Control Systems in Hospitality Operations (3)
HFT 3603	Law for Hospitality Operations (3)
HFT 3806	Introduction to Food and Beverage Management (3)
HFT 3941r	Management Internship (1-12) Note: This course must be completed for a total of twelve credit hours
HFT 4224	Hospitality Leadership and Ethics (3)
HFT 4253	Lodging and Luxury Hotel Management (3)
HFT 4471	Managing Revenues and Expenses (3)
HFT 4502	Hospitality Services Marketing and Research (3)
HFT 4802	Catering Management (3)
HFT 4941	Work Experience (0)

Plus four hospitality electives from the list of courses below:

HFT 2061	Ales, Lagers, and International Culture (3)
HFT 2062	International Wine and Culture (3)
HFT 2080	International Protocol on Western Behavior and Service Standards (3)
HFT 2716	International Travel and Culture (3)
HFT 2890	International Food and Culture (3)
HFT 3221	Human Resource Management in Hospitality Operations (3)
HFT 3240	Managing Service Organizations (3)
HFT 3270	Resort Operations (3)
HFT 3272	Senior Services Management (3)
HFT 3275	Resort Development (3)
HFT 3277	Club Management (3)
HFT 3519	Conventions Services and Events Management (3)
HFT 3602	Ethics and Service Leadership (3)

HFT 3700	Tourism Management and the Environment (3)
HFT 4064	Ales, Lagers, and Culture (3) Note: Students must be twenty-one years of age to take this course.
HFT 4205	Conversational Spanish for Hospitality Managers (3)
HFT 4334	Advanced Club Management (3)
HFT 4866	Wine and Culture (3) Note: Students must be twenty-one years of age to take this course.
HFT 4905	Directed Individual Study (1-3)
HFT 4930r	Special Topics in Hospitality Administration (1-3)

Students enrolled in the Dedman School of Hospitality must complete a professional management internship towards at least one thousand hours of professional management work experience in the hospitality industry. The work experience must be completed at the post-secondary level. Students must register for HFT 4941 Field Study in Hospitality Administration in their final semester to document this work experience.

Students needing elective hours to satisfy the University one hundred and twenty total hours requirement are encouraged to select additional electives from the above list of courses. Please note that these courses may not be offered every semester.

Requirements for a Major in Professional Golf Management

All students must complete the following:

1. The University-wide baccalaureate degree requirements summarized in the "Undergraduate Degree Requirements" chapter of this *General Bulletin*
2. The lower-level course requirements for professional golf management majors; and
3. The upper-level course requirements for professional golf management majors

Note: To be admitted to the upper-division professional golf management major, students must (1) have completed at least fifty-two semester hours, (2) have completed ACG 2021, ACG 2071, CGS 2100 or CGS 2518, ECO 2013, ECO 2023, MAC 1105, and STA 2023 with a grade of "C-" or better in each course, and (3) have an overall GPA of at least 2.5 on all prior college level work.

Lower -Level Course Requirements for Professional Golf Management Majors

All professional golf management majors must earn a grade of "C-" or better in each course below.

ACG 2021	Introduction to Financial Accounting (3)
ACG 2071	Introduction to Managerial Accounting (3)
CGS 2100	Microcomputer Applications for Business (3)
ECO 2013	Principles of Macroeconomics (3)
ECO 2023	Principles of Macroeconomics (3)
HFT 1000	Introduction to Hospitality and Tourism (3)
HFT 1382	Orientation to Professional Golf Management (1)
HFT 2352	Introduction to Professional Golf Managements (1)
MAC 1105	College Algebra (3)
STA 2023	Fundamental Business Statistics (3)

Upper-Level Course Requirements for Professional Golf Management Majors

All Professional Golf Management (PGM) majors must complete fifty semester hours as listed below. A minimum grade point average (GPA) of 2.0 must be earned in these upper level courses. PGM majors must also satisfy a number of supplemental requirements including a player ability test, 3 PGA level checkpoints, and sixteen months of approved internships, as well as a number of individual PGA workshops.

GEB 3213	Business Communications (3)
HFT 3277	Club Management (3)
HFT 3353	Intermediate Professional Golf Management (1)
HFT 3354	Agronomy for Golf Course Management (3)
HFT 3355	Advanced Professional Golf Management (1)
HFT 3424	Cost Control Systems in Hospitality Operations (3)
HFT 3603	Law for Hospitality Operations (3)
HFT 3806	Intro to Food and Beverage Management (3)
HFT 3941r	Management Internship(s) (1-12) Note: This course must be completed for a total of twelve semester hours.
HFT 4224	Hospitality Leadership and Ethics (3)
HFT 4253	Lodging and Luxury Hotel Management (3)

- HFT 4471 Managing Revenues and Expenses (3)
 HFT 4502 Hospitality Services Marketing and Research (3)
 HFT 4802 Catering Management (3)

PGM students needing elective hours to satisfy the University 120 total hours requirement are encouraged to select electives from the following list of courses:

- HFT 2061 Ales, Lagers, and International Culture (3)
 HFT 2062 International Wine and Culture (3)
 HFT 2080 International Protocol on Western Behavior and Service Standards (3)
 HFT 2716 International Travel and Culture (3)
 HFT 2890 International Food and Culture (3)
 HFT 3221 Human Resource Management in Hospitality Operations (3)
 HFT 3240 Managing Service Organizations (3)
 HFT 3270 Resort Operations (3)
 HFT 3272 Senior Services Management (3)
 HFT 3275 Resort Development (3)
 HFT 3519 Convention Services and Event Management (3)
 HFT 3602 Ethics and Service Leadership (3)
 HFT 3700 Tourism Management and the Environment (3)
 HFT 4064 Ales, Lagers, and Culture (3) **Note:** Students must be twenty-one years of age to take this course.
 HFT 4205 Conversational Spanish for Hospitality Managers (3)
 HFT 4866 Wine and Culture (3) **Note:** Students must be twenty-one years of age to take this course.
 HFT 4930r Special Topics in Hospitality Administration (1-3)

European Summer Study Program

Combining accelerated classroom instruction with travel and on-site observation of industry operation, the program achieves an ideal educational balance. Classes are taught in English by Florida State University faculty. The following topics of the HFT 4930r Special Topics in Hospitality Administration (3) are offered: (a) European Food and Wine, (b) European Travel and Tourism, (c) International Hotel Administration, as well as (d) Special Studies in International Hospitality Administration.

Courses completed in this program count toward the state of Florida requirement that at least nine semester hours be completed in the summer term at one of the State University System senior institutions. Only two courses completed in this program can count towards completion of the Minor in Hospitality Management.

Minor in Hospitality Management

Students may receive a Minor in Hospitality Management by completing twelve semester hours as follows: HFT 1000, HFT 3240, and any two of the following courses: HFT 2061, HFT 2062, HFT 2716, HFT 2890, HFT 3221, HFT 3272, HFT 3519, HFT 3602, HFT 3700, HFT 4064, HFT 4930r. Students must earn a minimum grade point average of 2.0 in the courses used to satisfy the hospitality management minor requirements.

Definition of Prefixes

HFT—Hospitality Management

Undergraduate Courses

HFT 1000. Introduction to Hospitality and Tourism (3). This course offers an introductory review of the segments, disciplines, career opportunities, and current issues in the hospitality industry.

HFT 1350. Golf for Business and Life (1). (S/U grade only.) This course is designed for students who have never experienced the game of golf. Students learn the basics of the game in a casual, fun environment. This course counts as credit for a physical education activity course.

HFT 1382. Professional Golf Management Orientation (1). This course covers all the facets of the Professional Golf Management major and is designed to introduce and guide students through the Florida State, Dedman School of Hospitality, and PGM requirements. Students begin with developing a Road Map of their four-and-a-half-year curriculum, including academic advising from the Dedman School.

HFT 2060. Coffee, Tea, and International Culture (3). This course is delivered online through Blackboard and is an introduction to coffees and teas of the world with a focus upon their importance to global cultures found in many regions. Students learn about these beverages and their unique interrelationship with their regional culture, heritage, and environment. Each beverage focuses upon specific regions of the world: 1.) Coffee: the Americas, Africa, Europe, India, the Middle East, and Indonesia; 2.) Tea: China, Korea, England, Kenya, Russia, Iran, France, Morocco, and the U.S. Other non-alcoholic beverages, including energy drinks, bottled water, and carbonated beverages are also explored.

HFT 2061. Ales, Lagers and International Culture (3). This course is an introduction to ales and lagers of the world with a focus upon their importance to global cultures found in many regions. Students learn about these regional beers and the interrelationship with their culture, including food, heritage, and festivals.

HFT 2062. International Wine and Culture (3). This course provides an introduction to wines of the world with a focus upon the importance to global cultures. Students learn about these regional wines and the interrelationship with their cultures and heritage.

HFT 2063. Distilled Spirits and International Culture (3). This course is delivered online through Blackboard and is an introduction to distilled spirits of the world with a focus upon their importance to global cultures found in many regions. Students learn about these regionally distilled beverages and their interrelationship with their culture, heritage, and environment. This class presents distilled spirits from various regions and countries of the world representing the U.S., Mexico, Canada, Scotland, Ireland, England, Italy, France, Germany, Spain, Greece, Russia, Poland, Sweden, and Finland.

HFT 2080. International Protocol on Western Behavior and Service Standards (3). This course is designed to explore the diverse verbal and non-verbal Western cultural habits, dress, behaviors, beliefs, service delivery expectations, and codes of conduct compared to the cultural mores, dress, traditions, political structure, behaviors (both verbal and non-verbal), travel, service delivery styles, and expectations of people from various international cultures.

HFT 2352. Introduction to Professional Golf Management (1). Prerequisite: HFT 1382. This course focuses on preparing students for the management of golf operations. For professional golf management majors only.

HFT 2716. International Travel and Culture (3). This course introduces students to contemporary tourism through a geographical and multicultural perspective of worldwide travel. The course emphasizes the most popular travel destinations and provides information about the physical and cultural characteristics of major cities, states, and countries. The course offers basic facts about travel destinations, the environment, and the people of many regions around the world, and it presents the nature of cultural diversity reflecting both Western and non-Western cultures with special emphasis on ethnic background, race, religion, values, tradition, language, material goods, and interrelationships among local cultures.

HFT 2890. International Food and Culture (3). This course explores the world's cuisines with a focus on the history of culinary arts, indigenous ingredients, customs, as well as various cooking methods and terminology from places such as Latin and South America, Africa, the Middle East, Europe, Scandinavia, India, and Asia.

HFT 3221. Human Resource Management in Hospitality Operations (3). This course offers an analysis of human-resource issues in the hospitality industry such as staffing, training, appraisal, wage and hour administration, discrimination, harassment, and other governmental issues.

HFT 3240. Managing Service Organizations (3). This course is an in-depth examination of the concept of service and the linkages of the three most important functional areas of the firm: marketing, operations, and human resources. The course also addresses the concept of quality.

HFT 3263. Restaurant Operations (3). Prerequisite: HFT 3806. This course is an introduction to basic food and beverage management concepts. Topics covered include: food and beverage sanitation; production and service equipment; menu planning and costing; and nutrition and safety.

HFT 3270. Resort Operations (3). This course consists of analysis and discussion of lodging specifics, retail and commercial leasing, community relations, amenities and recreation, as well as real-estate sales in relation to resort operations management.

HFT 3272. Senior Services Management (3). This course explores the planning, development, operation, and management of retirement facilities. Explores the various types of senior living facilities, including multi-level, independent, assisted living, and skilled-nursing care centers.

HFT 3275. Resort Development (3). This course offers contemporary knowledge and understanding of concepts, challenges, and trends associated with resort development to include an in-depth examination of the process of resort development from property site identification, land acquisition, zoning and permitting, environmental impact statements (EIS), layout and design issues, construction processes, pre-opening, public relations and marketing, as well as many other issues.

HFT 3277. Club Management (3). This course focuses on the development and management of clubs, including golf course operations, organizational and financial structure, membership and guest relations, design, and other amenities.

HFT 3353. Intermediate Professional Golf Management (1). Prerequisite: HFT 2352. This course focuses on developing intermediate level skills necessary for management of golf operations. For professional golf management majors only.

HFT 3354. Agronomy for Golf Course Management (3). This course is an overview of horticultural and agronomic practices needed by golf course managers in the hospitality industry.

HFT 3355. Advanced Professional Golf Management (1). Prerequisite: HFT 3353. This course focuses on advanced skills that prepare students for the management of golf operations. For professional golf management majors only.

HFT 3424. Hospitality Financial Analysis (3). Prerequisites: ACG 2021 and ECO 2023. This course is a detailed analysis of food, beverage, labor, and cash controls. In-depth purchasing component including furniture, fixtures, and equipment (FF&E). Computer usage in labor control, cost analysis, and marketing mix analysis. A systems approach to management of quality through the design of appropriate controls.

HFT 3515. Resort Marketing and Social Media (3). This course examines resort marketing of service industries within the context of social media and it is used to implement service strategies for resorts. This course is designed to provide students with fundamental resort marketing information combined with social media applications which enable them to establish promotional programs and develop, implement, and evaluate strategic marketing plans resorts.

HFT 3519. Convention Services and Event Management (3). This course provides a comprehensive approach to managing, marketing, and planning conventions, special events, and conferences.

HFT 3602. Ethics and Service Leadership (3). This course focuses on ethics and service leadership and how it intersects areas of life. Students read and discuss both primary and secondary sources and critically reflect on those sources in an effort to understand questions about the meaning and purpose of work and their implications for business leadership and decision making.

HFT 3603. Law for Hospitality Operations (3). This course covers basic concepts of law that apply to the hospitality industry. The course focuses on legal definitions, innkeeper-guest relationships, liability, and other legal issues.

HFT 3700. Tourism Management and the Environment (3). This course focuses on tourism management, organization, and development. Emphasis on economic and environmental issues confronting the industry such as balancing use and preservation. Open to non majors.

HFT 3806. Introduction to Food and Beverage Management (3). Prerequisite: HFT 1000. This course is an overview of the food and beverage industry with regard to history, production theories, and types of food and beverage retail outlets. Concentration on layout of a variety of production kitchens, storage (refrigeration, dry, frozen, and chemical), workflow, and basic production techniques is integral to the course. Lab time depends on the topic and activity planned for the week.

HFT 3941r. Management Internship (1-12). (S/U grade only.) Prerequisites: Instructor permission and HFT 1000. This internship is designed for Dedman School of Hospitality students to gain real world experience in the business field through on-the-job practice. Students work under the direction of an approved industry professional and the internship director. May be repeated to a maximum of twelve semester hours.

HFT 3949r. Cooperative Education Work Experience (0). (S/U grade only.) May be repeated.

HFT 4064. Ales, Lagers and Culture (3). This course is an introduction to ales and lagers of the world with a focus upon their importance to global cultures found in many regions. Students learn about these regional beers and the interrelationship with their culture, including food, heritage, and festivals. Restricted to students twenty-one years of age and older.

HFT 4205. Conversational Spanish for Hospitality Managers (3). Prerequisite: Senior standing. This course emphasizes Spanish international culture and conversation and was designed primarily for Hospitality leaders. The course allows students to apply their Spanish-language skills to increase fluency in everyday hospitality-related situations. The course also focuses on the customs and cultural characteristics of the people from Spain as well as from Central and South America. This course is not recommended for fluent Spanish speakers.

HFT 4224. Hospitality Leadership and Ethics (3). Prerequisite: Senior standing. This course covers the analysis and development of interpersonal management skills, including leadership, ethics, employee and guest relations, as well as team building.

HFT 4253. Lodging and Luxury Hotel Management (3). This course provides a study of hotel, motel, resort, and other types of lodging operations, including benchmarking, department organization and management, operations, and systems. Emphasis is on rooms, delivering exceptional service, computer usage in lodging properties, and quality control issues.

HFT 4290. Luxury Hotel and Resorts (1). Prerequisite: HFT 3806. This course benchmarks the processes of 5-star and 4-star hotels and resorts in order to identify how they deliver exceptional service in their operations.

HFT 4334. Advanced Club Management (3). Prerequisites: HFT 3277. This course is designed to provide students with high-level private club management techniques relevant to today's challenging business environment.

HFT 4471. Managing Revenues and Expenses (3). Prerequisites: HFT 3806 and HFT 3424. This course is designed to provide students with an understanding of financial analysis so that decisions within the operation can be evaluated. Techniques used in maximizing revenues, controlling costs, and analyzing financial statements, productivity, and ratios are explored within the food and beverage, hotel, and club industries. Emphasis is placed on effective revenue-management techniques.

HFT 4502. Hospitality Services Marketing and Research (3). This course focuses on the applications of strategic market research and product/service positioning in the hospitality industry. Emphasis on competitive marketing strategies including sales, advertising, and promotions. Discussion of unique features of hospitality marketing, market research/analysis, ethics, and quality.

HFT 4802. Catering Management (3). Prerequisite: HFT 3806. This course covers management methods and concepts utilized in the administration of food and beverage functions.

HFT 4803. Advanced Food and Beverage Management (3). Prerequisite: HFT 3806. This course uses the University Center Club (ClubCorp. Inc.) to provide a study of advanced food-and-beverage-establishment management. Students work with live operation managers to design and manage scheduling, menus, profit and loss statements, labor, events, budgets, and overall corporate goal expectations. Students also experience human resource management, safety and security, and facility maintenance. Students are assigned to individually managed events under the supervision of events managers.

HFT 4866. Wine and Culture (3). This course is an introduction to basic wine knowledge that, together with wine tasting, enhances student understanding and appreciation of wine and its place in our culture and heritage. Restricted to students twenty-one years of age and older. May not be taken as an S/U course.

HFT 4905r. Directed Individual Study (1-3). May be repeated up to five times.

HFT 4930r. Special Topics in Hospitality Administration (1-3). This course is an-depth study of current topics in hospitality administration. May be repeated to a maximum of twelve semester hours when topics change.

HFT 4941. Field Study in Hospitality Administration (0). (S/U grade only.) This field study consists of 1,000 hours of satisfactory, acceptable work experience in the hospitality industry. Discussion expands and integrates the work experience to enhance management decision-making skills. Report and supervisors' evaluation required. Students should register for this class the semester in which they plan to graduate.

HFT 4970r. Honors Thesis (1-6). Prerequisite: Admission to the honors program. May be repeated to a maximum of nine semester hours. Six semester hours of thesis are required to complete honors in the major.

Graduate Courses

HFT 5477. Financial and Cost Control Systems for Hospitality and Tourism Organizations (3).

HFT 5506. Services Marketing and Research for Hospitality and Tourism Organizations (3).

HFT 5697. Legal Environment of Hospitality and Tourism Organizations (3).

HFT 5908. Studies in Hospitality and Tourism (3).

HOUSING AND COMMUNITY DEVELOPMENT:
see Urban and Regional Planning

HUMAN SCIENCES, GENERAL COURSES:
see College of Human Sciences

Program in Interdisciplinary HUMANITIES

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://pih.fsu.edu/>

Program Director: John Kelsay; **Undergraduate Adviser:** Kathryn Stoddard;

Affiliated Faculty: Brewer (Music), Cloonan (Modern Languages and Linguistics); Edwards (English), Efimov (Modern Languages and Linguistics), Fleming (Modern Languages and Linguistics), Grindal (Anthropology), Johnson (English), Laughlin (English), Leushuis (Modern Languages and Linguistics), Levenson (Religion), Seaton (Music), Slaveva-Griffin (Classics), Treharne (English), Weingarden (Art History)

A Bachelor of Arts (BA) in Humanities offers a broad interdisciplinary education in the thought, literature, art history, and music of Western and Eastern cultures. The interdepartmental undergraduate major is offered as a preparation for graduate work in the humanities and as a basic cultural background for a variety of professional fields, such as teaching, research, journalism, law, librarianship, foreign service, the religious professions, music, arts administration, and government service.

Course Overlap with Liberal Studies and/or Other Majors: A maximum of three hours may overlap between the Humanities major and Liberal Studies requirements. A maximum of six hours may overlap between Humanities and another major. No courses taken toward the Minor in Humanities can overlap with any other requirements (exclusive of writing and Multicultural X and Y classes).

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in humanities satisfy this requirement by earning a grade of “C-” or higher in CGS 2060, CGS 2064, CGS 2100, or MUS 2360.

Requirements for a Major in Interdisciplinary Humanities

Please review all college-wide degree requirements in the “College of Arts and Sciences” chapter of this *General Bulletin*. All Humanities majors must meet the language requirement for students seeking the Bachelor of Arts (BA) degree in the College of Arts and Sciences. For alternatives to satisfy this requirement, refer to ‘Foreign Language’ in the “College of Arts and Sciences” chapter of this *General Bulletin*. If a student chooses to double major, only six semester hours may be applied to both majors. For general policies pertinent to a double major, refer to ‘Second Majors and Academic Regulations’ in the “Academic Regulations and Procedures” chapter of this *General Bulletin*.

The major and minor combination comprises a minimum of forty-two semester hours beyond the Liberal Studies requirements and numbered above 1999. All coursework counted toward the Humanities major must be completed with a “C-” or higher. Humanities majors must take a nonwestern humanities course (X; 3 CU) and a multicultural diversity course (Y; 3 CU), or their equivalents, before graduation. If these courses have not been taken to fulfill the Liberal Studies requirement, they may be taken as University electives or in the concentration of the major with the approval of Humanities adviser. The courses to be counted towards the Humanities major will be distributed as follows:

Primary Concentration

Eighteen semester hours in one of the following Humanities departments:

- American Studies
- Art History
- Asian and Middle Eastern Studies
- Classical Studies
- Communication
- English
- Film Studies
- History
- History and Philosophy of Science
- Human Rights
- Humanities
- Music History
- Philosophy
- Religion

Theatre*

*Note: Many Theatre classes are closed to students outside of the School of Theatre.

Secondary Concentration

Twelve semester hours in one of the departments listed above. The secondary department cannot be the same as the primary department.

Tertiary Concentration

Twelve semester hours in one of the departments listed above. The tertiary department must be different from both the secondary and primary departments.

Upper-Level Course Requirement

A minimum of twenty-four hours of coursework taken for the major must be numbered above 2999.

All Interdisciplinary Humanities majors are required to schedule regular advising appointments each semester. Humanities majors are required to schedule a graduation check with the college and with the University Registrar upon completion of ninety semester hours. The student must also apply for graduation with the Registrar during the first two weeks of the semester in which the student expects to graduate. Failure to meet regularly with an adviser or to follow the specified procedures will delay progress toward completion of the degree.

Internships, Honors classes, and Directed Individual Study (DIS)

The maximum combined credit that will be applied toward the major for upper-level Honors courses, internships, or Directed Individual Studies in humanities areas is six semester hours. All DIS classes used for credit towards the major must be approved by the Undergraduate Adviser.

Requirements for a Minor in Humanities

No courses taken toward the Minor in Humanities can overlap with any other requirements (exclusive of writing or Multicultural X and Y classes). The undergraduate minor may be accomplished in one of the two following ways:

1. Fifteen semester hours, of which nine must be taken in one of the Humanities departments listed above, and six from one other Humanities department from the same list. Six hours must be numbered above 2999.
2. Twelve semester hours in courses with the HUM prefix.

Definition of Prefix

HUM—Humanities

IDS—Interdisciplinary Studies

Undergraduate Courses

HUM 1920. Freshman Interest Group (1). (S/U grade only.) This course is a seminar-structured class designed to provide a set of experiences that introduces the student to the academic culture at FSU. Taught Fall term only. Topics vary.

HUM 1921r. Learning Community Colloquium (1). (S/U grade only.) This series includes presentations on resources and University-wide programs as well as frequent talks by faculty members describing their own research and/or creative work. The course provides opportunities to meet a variety of potential role models and to engage in thoughtful, substantive discussions in a large-classroom setting. May be repeated to a maximum of two semester hours.

HUM 2210. Humanities: Pre-history to Late Antiquity (3). This course offers an introduction to the thought, literature, and arts of Western culture from pre-historic times to about 400 A.D.

HUM 2235. Humanities: From the Renaissance to the Enlightenment (3). This course offers an introduction to the thought, literature, and arts of Western culture from the Renaissance to the Enlightenment.

HUM 2250. Humanities: 18th-Century Romanticism to Postmodernism (3). This course offers an introduction to the thought, literature, and arts of Western culture from eighteenth-Century Romanticism to the Postmodern period.

HUM 2944r. University Honors Colloquium (1). (S/U grade only.) Prerequisite: Admission to the honors program. This course allows faculty from across the academic and creative arts spectrum to explore “Art and Inquiry in the Modern University” with entering honors students each Fall. Discussions follow each weekly presentation. Students are required to write responses totaling two thousand words. May be repeated to a maximum of two semester hours.

HUM 3252. Humanities: Film and 20th Century Culture (3). This course offers an introduction to the thought, values, and arts of Western culture, with special emphasis on film.

HUM 3321. Multicultural Dimensions of Film and 20th-Century Culture (3). This course explores diversity within Western culture by focusing on film as a key medium for shaping social and cultural attitudes and values. Primary emphasis is placed on the themes of race and gender, but the students are also trained in the analysis and appreciation of film as a uniquely modern art form.

HUM 3324. Cultural Imperialism (3). This course is an analysis of the significant works of literature and the other arts created under the dominant "imperial" cultures. The course focuses upon themes relating to colonial subjugation. Works are analyzed from the perspective of the dominating culture and from the contrasting vision of the subjugated colonial cultures.

HUM 3413. Humanities: South Asian (3). This course offers an introduction to the religion, philosophy, literature, and arts of Indian and Islamic culture in their classical and modern expressions. Not offered every semester.

HUM 3416. East Asian Humanities (3). This course offers an introduction to the religion, philosophy, literature, and arts of Chinese and Japanese culture in their classical and modern expressions. Not offered every semester.

HUM 3930r. Humanities: Special Topics (1-3). May be repeated within the same term to a maximum of twelve semester hours.

HUM 4906r. Directed Individual Study (3). Prerequisite: Major status. A student registered for an individual study course must schedule at least one conference a week on campus. The student should bear in mind that the DIS requirements are the same as if he or she were attending a class for three hours a week for ten weeks. The minimum length of the paper is thirty pages excluding footnotes and bibliography. HUM 4906r cannot count toward major coursework. May be repeated to a maximum of nine semester hours.

HUM 4907r. Honors Work (1-6). Prerequisite: Admission to the honors program. May be repeated to a maximum of nine semester hours.

HUM 4924. Freshman Interest Group Peer Instruction (1). Spring term only. This course develops the knowledge, skills, and perspectives needed to be a Peer Instructor for the FIGS Colloquium. Instruction covers general information needed to support the values of this unique liberal studies educational endeavor.

HUM 4931r. Topics in the Civilization of Britain or Italy (3). May be repeated to a maximum of six semester hours.

HUM 4934r. Interdisciplinary Topics (3). This course provides students from any discipline with an integrated interdisciplinary learning experience. The course is taught by instructors from at least two different departments and/or colleges. Topics vary. May be repeated to a maximum of twelve semester hours.

HUM 4935r. Seminar in the Humanities (3). Prerequisite: Major status. The seminar "Principles of Criticism and Interpretation of Humanities" examines a series of perspectives for approaching and applying the kind of knowledge gained from a study in the humanities. May be repeated to a maximum of six semester hours.

IDS 2920r. UROP Colloquium (1). (S/U grade only.) This course is a seminar-structured colloquium for The Undergraduate Research Opportunity Program (UROP) that provides a set of experiences to introduce students to undergraduate research at FSU. Topics vary. May be repeated to a maximum of two semester hours.

Graduate Courses

- HUM 5227.** The Humanistic Tradition: Greek and Roman (3).
HUM 5245. The Humanistic Tradition: Medieval, Renaissance, and Baroque (3).
HUM 5253. The Humanistic Tradition: The Modern World (3).
HUM 5909r. Directed Individual Study (3). (S/U grade only.)
HUM 5915r. Supervised Research (1-5). (S/U grade only.)
HUM 5938r. Interdisciplinary Topics (3).
HUM 5940r. Supervised Teaching (0-5). (S/U grade only.)
HUM 6904r. Readings for Examination (1-12). (S/U grade only.)
HUM 6939r. Seminar Topics (3).
HUM 6980r. Dissertation (1-12). (S/U grade only.)
HUM 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)
HUM 8966r. Master's Comprehensive Examination (0). (P/F grade only.)
HUM 8985r. Dissertation Defense (0). (P/F grade only.)

Interdepartmental Minor in IBERIAN STUDIES, VALENCIA CENTER

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://international.fsu.edu/Types/College/Spain/Default.aspx>
Coordinator: James E. Pitts (International Programs)

The Iberian Studies Valencia Center minor is concerned with the culture of Spain from ancient times to the present. The minor is built around the student's program of studies at the Florida State University Valencia Study Center, allowing the student to pursue the minor before, during, and after the student attends the Valencia Program. The minor gives greater focus to and enhances the quality of the student's program of studies in Spain. The sojourn in Valencia is the essential element in the minor, providing direct involvement in contemporary Spanish civilization as well as exposure to Spain's historical cultural artifacts.

Requirements for a Minor in Iberian Studies

The interdisciplinary minor requires the completion of fifteen semester hours (to include at least two disciplines) in courses approved by the Iberian Studies Valencia Center Minor Coordinating Committee. **At least nine semester hours of approved courses must be taken while the student is in residence at the FSU Valencia Study Center.** A maximum of nine semester hours may be counted in any single academic discipline. Students who intend to minor in Iberian studies should declare this intention with International Programs at the end of the semester in Valencia. Contact Betty Seymour at bseymour@fsu.edu for more information.

The student must have completed at least three semester hours (or the equivalent) in elementary Spanish prior to attending the Valencia Center.

A minimum grade of "C-" must be earned for all courses taken for the minor. In addition, a minimum cumulative grade point average (GPA) of 2.0 must be maintained in all courses counted toward the minor.

Core Courses

These courses will be counted in the minor whether they are taken on the Tallahassee campus or in Valencia. Description of these courses may be found under the individual departments in which they are taught.

- ARH 4352** Southern Baroque Art (3)
HUM 3930r Humanities: Special Topics [Culture and Civilization of Spain] (1-3)
MUS 3934r Special Topics in Music [Music of Spain] (1-3)
SPN 3332 Communication in Language and Culture I (3)
SPN 3333 Communication in Language and Culture II (3)
SPN 3440 Language and Culture in Business (3) *
SPN 3510 Cultures of Iberia (3)
SPN 4420 Advanced Spanish Composition and Translation (3)
SPN 4444 Business Writing in Spanish (3) *
SPN 4540r Regional Cultural Studies (3)
SPN 4780 Spanish Phonetics (3) *
SPN 4905r Directed Individual Study in Hispanic Language (3)
SPN 4930r Studies in Hispanic Language and Literature (3)
SPN 4942r Internship in Applied Spanish (1-6)
SPW 3030 Approaching Hispanic Literature (3)
SPW 3103 Readings from Early Iberia (3)
SPW 3104 Readings from Modern Spain (3)
SPT 3100 Spanish Literature in Translation (3)
SPT 3391r Hispanic Cinema (3)
SPW 3493 Readings from Modern Spanish America (3)
SPW 4140r The Poetics of Hispanic Love and Violence (3)
SPW 4150r Transatlantic Encounters (3)
SPW 4481 Contemporary Spanish Women Writers (3)

Note: Courses marked with an asterisk (*) must be taken at the Valencia Study Center.

Note: Each student must have completed at least one introductory course in Spanish (on the freshman level) prior to studying at the Valencia Center in order to qualify for a minor in Iberian studies. All courses in Spanish (SPN) must be at the 3000 and 4000 level. Note also that courses used to satisfy the University's foreign language requirement for the BA degree may not also count in the minor.

Related Courses

The following courses will apply toward the Iberian studies minor if: (1) section or seminar topics are relevant to the minor; or (2) research and papers are done on topics relevant to the minor. Students should keep copies of syllabi and their relevant work in case a need to verify the work arises.

- ANT 4142** European Prehistory (3)
ARH 4211 Early Medieval Art (3)
ARH 4230 Later Medieval Art (3)
ARH 4355 18th Century Art (3)
ARH 4421 Modern European Art: Postimpressionism through Surrealism (3)
ARH 4431 Modern European Art: Neoclassicism through Impressionism (3)
ART 1300C Drawing Foundations (3)
CPO 3103 Comparative Government and Politics: Western Europe (3)
ECO 4704 International Trade (3)
ECO 4713 International Finance (3)
ENC 3310 Article and Essay Technique (3)
ENC 4311 Advanced Article and Essay Workshop (3)
EUH 3205 19th Century Europe: A Survey (3)
EUH 3206 20th Century Europe: A Survey (3)
EUH 4121 Earlier Middle Ages (3)
EUH 4124 The Crusades (3)
EUH 4140 Renaissance (3)
EUH 4144 Reformation (3)
EUH 4233 Rise of Nationalism (3)
EUH 4243 Europe, 1870–1900: The Age of European Hegemony (3)
EUH 4244 Fascism (3)
EUH 4602 European Intellectual History, 1500-1800 (3)
EUH 4603 European Intellectual History, 1800 to Present (3)
FIN 3244 Financial Markets, Institutions, and International Finance Systems (3)
FIN 4604 Multinational Financial Management (3)
HIS 4930r Special Topics in History (3)
HIS 4935r Senior Seminar (3)
HUM 2235 Humanities: From The Renaissance to The Enlightenment (3)
HUM 2250 Humanities: 18th Century Romanticism to Postmodernism (3)
HUM 3930r Humanities: Special Topics (1–3)
LIT 4134 The European Novel through World War I (3)
LIT 4144 The Modern European Novel (3)
MAN 3600 Multinational Business Operations (3)
MAN 4605 Cross-Cultural Management (3)
MAN 4631 International Strategic Management (3)
MAN 4680r Selected Topics in International Management (3)
MAR 4156 Multinational Marketing (3)
MUH 2012 Music in Western Culture: 19th and 20th Centuries (3)
MUH 2051 Music Cultures of the World—Music of Tribal and Folk Cultures (3)
MUH 2052 Music Cultures of the World II—Ritual and Art Music of the Non-Western World (3)
PHH 3061 Medieval and Renaissance Philosophy (3)
PGY 2100C Photo for Non-Art Majors (3)
REL 3363 The Islamic Tradition (3)
REL 3607 The Jewish Tradition (3)
REL 4564 Modern Roman Catholicism (3)
REL 4613 Modern Judaism (3)
SPN 4540r Regional Cultural Studies (3)
SPN 4942r Internship in Applied Spanish (1–6)
SPW 3391r Hispanic Cinema (3)
SPW 4190r Special Topics in Hispanic Languages and Literature (3)
SPW 4301r Hispanic Culture and Performance (3)
SPW 4905r Directed Individual Study in Hispanic Literature (3)
SPW 4930r Studies in Hispanic Literature (3)
SYD 4700 Race and Minority Group Relations(3)
THE 4110 European Theater History I (3)
THE 4111 European Theater History II (3)

With the exception of any Spanish courses below the 3000 level offered, all courses at the Valencia Center may be counted toward the Iberian studies minor if a course syllabus shows that at least 50% of the material presented is relevant to the minor, and provided the Valencia Center Minor Coordinating Committee has given prior approval for their inclusion in the minor. In addition, special topics courses offered on the Florida State University campus on a one-time basis may be counted if the coordinating committee ap-

proves them. To have such courses considered, petition the Coordinating Committee, International Programs, *University Center A5500, Tallahassee, FL, 32306-2420.*

Department of INDUSTRIAL AND MANUFACTURING ENGINEERING

FAMU—FSU COLLEGE OF ENGINEERING

Web Page: <http://www.eng.fsu.edu/ime/>

Chair: Okoli; Professors: Awoniyi, Braswell, Liang, C. Zhang; Associate Professors: Okoli, M. Zhang; Assistant Professors: Liu, Park, Vanli, Zeng; Adjunct Professor: Dobbs; Adjunct Instructors: Gomez, Taylor

The mission of the Department of Industrial and Manufacturing Engineering is to provide for students a solid industrial engineering curriculum coupled with a strong research program driven by the economic and technological development needs of society.

The Industrial Engineering degree provides a broad technical background with special emphasis on manufacturing systems, computer modeling, costs, quality, management, and human factors. Industrial engineering draws upon specialized knowledge and skills in the mathematical, physical, and social sciences, together with the principles and methods of engineering design and analysis, to specify, predict, and evaluate industrial systems.

The program of study includes engineering analysis for the optimization of industrial systems, design of man-machine systems, and the scientific management of activities. Specialized training is available in the use of modern engineering tools and techniques such as computer-aided design (CAD), computer integrated manufacturing (CIM), and ergonomic (human factors) engineering.

Industrial engineers pursue careers in manufacturing, service industries, and government. In addition, many industrial engineers are now being employed in nontraditional fields such as hospitals, banks, insurance, and information processing. The present and future demand for IE's appears to be very high. Industrial engineers are increasingly being called upon to act as productivity catalysts in manufacturing and service organizations in order to meet regional, national, and international demand and competition.

Program Educational Objectives

The Bachelor of Science in Industrial Engineering (BSIE) curriculum is accredited by the *Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD, 21202-4012, phone (410) 347-7700*. The Bachelor of Science in Industrial Engineering (BSIE) curriculum is designed to comply with the ABET criteria for accrediting engineering programs. The educational objectives are that, within the first few years following their graduation, graduates should have:

- Been employed in industrial, service, or governmental organizations applying the industrial engineering skills in developing, designing, analyzing, implementing, or improving integrated systems that include people, materials, information, equipment, and energy
- Completed or enrolled in a graduate program
- Participated in a multicultural and diverse workplace
- Utilized teamwork, communication, and engineering management skills.

To achieve these objectives, all industrial engineering students must demonstrate or exhibit specific program outcomes. Students are instructed to contact their academic adviser or visit the departmental Web site at <http://www.eng.fsu.edu/ime/> to obtain the current list of industrial engineering program outcomes.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in industrial engineering satisfy this requirement by earning a grade of "C–" or higher in CGS 3406 or COP 3014.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.fvc.org/fvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

MAC X311 or MAC X281

1. MAC X312 or MAC X282
2. MAC X313 or MAC X283
3. MAP X302 or MAP X305
4. CHM X045/X045L or CHM X045C, or CHS X440 and CHM X045L
5. PHY X048/X048L or PHY X048C, or PHY X043 and PHY X048L
6. PHY X049/X049L or PHY X049C, or PHY X044 and PHY X049L

Engineering Core Courses

COP	3014	Programming I
		OR
CGS	3406	Object Oriented Programming in C++
		AND
EEL	3003	Introduction to Electrical Engineering (3)
EEL	3003L	Introduction to Electrical Engineering Lab (1)
EGN	2123	Computer Graphics for Engineers (2)
EGN	3613	Principles of Engineering Economy (2)
EGM	3512	Engineering Mechanics (4)
EML	3100	Thermodynamics (2)
MAS	3105	Applied Linear Algebra I (4)

Requirements for a Major in Industrial Engineering

It is the policy of the Department of Industrial and Manufacturing Engineering that a student must receive passing grades in all prerequisite courses prior to enrolling in an industrial engineering course. Concurrent registration in a course and its prerequisites is not allowed. All prerequisites to prerequisites must be completed. Failure to abide by this policy will result in the cancellation of enrollment in the course at any time during the semester and with no refund of fees. Corequisite courses must be taken concurrently or satisfactorily completed prior to enrolling in the course.

A candidate for the Bachelor of Science (BS) degree in industrial engineering is required to successfully complete the following courses, in addition to the other College of Engineering core requirements:

EGN	3443	Statistical Topics in Industrial Engineering (3)
EIN	3104	Introduction to Engineering Management (3)
EIN	3XXX	Industrial Engineering Tools (3)
EIN	3390C	Manufacturing Processes and Materials Engineering (5)
EIN	4XXXC	Manufacturing Processing and Materials Engineering II (3)
EIN	4243	Ergonomics (3)
EIN	4XXX	Industrial Engineering Practicum (2)
EIN	4333	Design of Integrated Production Systems and Facilities Layout (3)
EIN	4621	Manufacturing Systems Engineering (3)
EIN	4890	Industrial Engineering Senior Design Project I (3). - First of two semester sequence
EIN	4892	Industrial Engineering Senior Design Project II (3). - Second of two semester sequence
ESI	3312	Operations Research I: Deterministic (3)
ESI	3628	Computing Topics in Industrial Engineering (3)
ESI	4234	Quality Control and Reliability Engineering (3)
ESI	4313	Operation Research II: Nondeterministic (3)
ESI	4523	Simulation of Industrial Engineering Systems (3)
XXX	XXXX	Technical Elective (with adviser's approval) (3)
XXX	XXXX	Department Electives (3)

Industrial engineering majors **are required** to consult with their IE undergraduate adviser before enrolling for the next academic term. Students must obtain current IE degree requirements and course offering schedules from the IE department.

Honors in the Major

The Department of Industrial and Manufacturing Engineering offers an Honors in the Major program in Industrial Engineering to encourage talented juniors and seniors to undertake independent and original research as part of the undergraduate experience. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*, or visit <http://honorsinthemajor.fsu.edu>.

Grade Requirements

In addition to University and college requirements regarding grades and grade point average (GPA), the Department of Industrial and Manufacturing

Engineering requires that the IE major achieve a grade within the “C” range or higher for all required IE courses. In accordance with College of Engineering policy, a student may request that one course completed with a grade of “D+”, “D”, or “D-” be counted toward the BSIE degree. Recommendation by the IME undergraduate adviser(s) and approval by the department chairperson and the associate dean are required for the course to be counted toward graduation credit.

Definition of Prefixes

EGN—Engineering: General

EIN—Industrial Engineering

EMA—Materials Engineering

ESI—Industrial/Systems Engineering

Undergraduate Courses

EGN 1004L. First Year Engineering Laboratory (1). This laboratory includes an emphasis on student time management, a variety of products and processes, and computer-aided problem solving. Product/process involves sketching and drawing pertinent diagrams by hand, and learning the history and engineering concepts involved.

EGN 2123. Computer Graphics for Engineers (2). Corequisite: MAC 2311. This course covers principles of engineering graphics: visualization, spreadsheet applications, graphical calculus, and descriptive geometry. Also introduces the engineering design process and CAD systems.

EGN 3443. Statistical Topics in Engineering (3). Prerequisite: MAC 2312. This course explores basic statistical analysis, samples and populations, variability, hypothesis formulation, and data analysis. Use of computer software and interpretation of results.

EGN 3613. Principles of Engineering Economy (2). Prerequisite: MAC 2313. This course emphasizes discrete cash flow diagrams, cash flow equivalence factors, standard criteria for comparing project proposals, special cash flow topics, special analysis, and case studies.

EIN 3104. Introduction to Engineering Management (3). Prerequisites: EGN 2123 and EGN 3613. This course focuses on topics such as the evolution, history, emergence, and ethics of engineering and industrial engineering. Emphasis is placed on the management of technology and on the engineering method for product conceptualization, design, development, and production. Fundamental sciences, engineering methods, information systems, economics, and behavior theory contained in engineering management principles and practices.

EIN 3390C. Manufacturing Processes & Materials Engineering (5). Prerequisite: CHM 1045. Corequisite: EGN 2123. This course is an introduction to industrial materials and their composition, properties, metallography, and heat treatment. Introduction to the manufacturing processes of machine industries including hot working, cold working, and metal removal. Laboratory experiences.

EIN 3905r. Directed Independent Study (3). Prerequisite: Permission from the department chairperson. Topics vary and each case must be approved by the department chairperson. May be repeated to a maximum of six semester hours.

EIN 3949r. Cooperative Work Experience (0). (S/U grade only.) Prerequisite: Instructor permission. This non-credit, experiential learning course offers students an opportunity to gain “real world” on-the-job work experience related to a specific academic field of study. Students must register for this course through the FSU Career Center.

EIN 4214. Occupational Safety and Hazard Control (3). Prerequisite: EIN 4243. This course covers the history of safety, safety in the workplace, government regulations, methods of accident prevention, system safety, reliability, and fault tree analysis.

EIN 4243. Ergonomics (3). Prerequisites: EGM 3512, EGN 3443, and EIN 3390C. This course examines human characteristics and limitations in relation to physical work, mental work, and job design. Human physiological variables in relation to industrial work environment and product design. Case studies and design exercises.

EIN 4312. Tool and Process Engineering (3). Prerequisite: EIN 3390C. This course discusses basic design techniques of various manufacturing tools, including cutting tools, inspection tools, and jigs and fixtures. Fundamental planning techniques of manufacturing processes. Design exercises.

EIN 4333. Design of Integrated Production Systems and Facilities Layout (3). Prerequisites: EGN 2123, EGN 3613, and ESI 3312C. This course explores basic functions: demand forecasting, process planning, master scheduling, expediting, and quality control. Inventory control. Formation of systems from those basic functions. Case studies and design exercises with computer implementation.

EIN 4611. Industrial Automation and Robotics (3). Prerequisite: EIN 3390C. This course introduces and familiarizes students with the basic automation problems and the technologies used in automated production and robotic systems. Various components and systems and their applications to industrial automation are discussed. The course is supplemented by labs that help students apply and evaluate the concepts studied in the classroom.

EIN 4621. Manufacturing Systems Engineering (3). Prerequisite: EIN 4312. This course is an introduction to modern manufacturing systems, with a special focus upon the integration of manufacturing resources through the use of computers. Design, planning, analysis, and control of computer integrated manufacturing systems.

EIN 4890. Industrial Engineering Senior Design Project I (3). Prerequisite: Must be in final year of the degree program. This course is the first in a two-part course sequence, this capstone class represents the culmination of the industrial-engineering design sequence and draws upon student training from all previous courses. This course utilizes the six-sigma methodology to reduce variation and defects in order to deliver products and services that meet customer requirements.

EIN 4891. Industrial Engineering Senior Design Project (3). Prerequisite: Must be in the final year of the degree program. This course expects students to complete a large-scale design project involving the full implementation of the IPPED process. Project includes a written report and requires the use of various techniques and methods. Two-semester sequence.

EIN 4892. Industrial Engineering Senior Design Project II (3). Prerequisite: Must be in final year of the degree program. This course is the second in a two-part course sequence, this capstone class represents the culmination of the industrial-engineering design sequence and draws upon student training from all previous courses. This course utilizes the six-sigma methodology to reduce variation and defects in order to deliver products and services that meet customer requirements.

EIN 4934r. Honors Thesis (3). May be repeated to a maximum of six semester hours.

EIN 4936r. Selected Topics in Industrial Engineering (3). This course is offered Fall and Spring semesters. Topics are determined by a departmental committee on special topics, taking into consideration the needs of students who are about to graduate. May be repeated to a maximum of nine semester hours.

ESI 3312C. Operations Research I: Deterministic (3). Prerequisite: MAS 3105. This course covers the following topics with emphasis on validation of algorithms and derivation of heuristics: linear programming, assignment problems, CPM, network flows, discrete optimization, branch and bound solution method, and dynamic programming. Design exercises.

ESI 3628. Computing Topics in Industrial Engineering (3). Prerequisite: COP 3014. This course focuses on state of the art computing techniques for industrial engineers. Applications of structured programming, mathematical analysis software, and engineering databases. Use in engineering of GUI languages, Internet communication, and UNIX.

ESI 4234. Quality Control and Reliability Engineering (3). Prerequisite: EGN 3443. This course is an introduction to quality and reliability engineering. Statistical quality control techniques, process capability analysis, and design and analysis of experiments for quality and reliability improvement.

ESI 4313C. Operations Research II: Nondeterministic (3). Prerequisites: EGN 3443 and MAS 3105. This course focuses on the development and application of nondeterministic, analytic models including PERT/CPM, discrete and continuous time Markov chains, queuing models including queuing networks, inventory models, and decision analysis. Case studies and design exercises.

ESI 4523. Simulation of Industrial Engineering Systems (3). Prerequisite: ESI 4234. This course focuses on simulation modeling and computer solution of industrial engineering systems. Modeling strategies, probability considerations, simulation languages, simulation verification, and engineering case studies.

Graduate Courses

EIN 5182. Engineering Management (3).

EIN 5353. Engineering Economic Analysis (3).

EIN 5392. Manufacturing Processes and Systems (3).

EIN 5398. Manufacturing Materials Processing (3).

EIN 5459. Concurrent Engineering (3).

EIN 5524. System Modeling and Simulation (3).

EIN 5622. Computer-Aided Manufacturing (3).

EIN 5623. Computer Aided Process Planning (3).

EIN 5905r. Directed Individual Study (1–3). (S/U grade only.)

EIN 5930r. Special Topics in Industrial Engineering (1–6).

EIN 5931. Leadership and Communications (3).

EIN 5936r. Graduate Seminar (0). (S/U grade only.)

EIN 6629. Tolerance and Metrology for Precision Manufacturing (3).

EIN 6901r. Master’s Thesis (1–6). (S/U grade only.)

EIN 6980. Dissertation (3–24). (S/U grade only.)

EIN 8964. Preliminary Doctoral Examination (0).

EIN 8976. Master’s Thesis Defense (0). (S/U grade only.)

EIN 8985r. Dissertation Defense (0).

EMA 5182. Composite Materials Engineering (3).

ESI 5223. Statistical Process Control (3).

ESI 5228. Introduction to ISO 9000 (3).

ESI 5243. Engineering Data Analysis (3).

ESI 5247. Engineering Experiments (3).

ESI 5249. Response Surfaces and Process Optimization (3).

ESI 5328. Environmentally Conscious Design and Manufacturing (3).

ESI 5408. Applied Optimization (3).

ESI 5451. Project Analysis and Design (3).

ESI 5458. Optimization on Networks (3).

ESI 5524. Advanced Simulation Applications (3).

ESI 5525. Modeling and Analysis of Manufacturing and Industrial Systems (3).

Department of INTERIOR DESIGN

COLLEGE OF VISUAL ARTS, THEATRE AND DANCE

Web Page: <http://interiordesign.fsu.edu/>

Chair: Lisa Waxman; **Professor:** Waxman; **Associate Professors:** Butler, Myers, Pable; **Assistant Professors:** Dawkins, Fishburne, Ransdell, Webber; **Adjunct Faculty:** Bradbury, Ertzberger, Phares, Purvis, Wray; **Professors Emeriti:** Koenig, Munton, Ohazama, Wiedegreen

Interior design is concerned with the design of all interior spaces, both residential and nonresidential, and the field of environmental design. Students are prepared to meet professional requirements and criteria for the practice of interior design, membership in professional organizations, and state licensure (if required). A professional designer was defined by the national accrediting body, the Council for Interior Design Accreditation (CIDA), as one who is "qualified by education, experience, and examination to enhance the function and quality of interior spaces for the purpose of improving the quality of life, increasing productivity, and protecting health, safety, and welfare of the public." The Department of Interior Design is accredited by CIDA and the National Association of Schools of Art and Design (NASAD).

The competencies taught include elements and principles of design, design analysis, space planning and programming, drafting and technical drawing, computer-aided drafting and design, graphic presentation of design solutions, design history, sustainability, and comprehensive design studios. There are active student chapters of the American Society of Interior Designers (ASID) and the International Interior Design Association (IIDA). The faculty includes members of ASID, IIDA, the Interior Design Educators Council (IDEC), and the American Institute of Architects (AIA).

The interior design program offers the Bachelor of Science (BS) and the Bachelor of Arts (BA) degrees. Students must consult the "Undergraduate Degree Requirements" chapter of this *General Bulletin* for BA degree requirements.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in interior design satisfy this requirement by earning a grade of "C-" or higher in IND 3469.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.fvvc.org/fvvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this degree program:

1. IND X206
2. IND X406
3. IND X203
4. IND X204
5. ARH X057 or ARH X051: coursework in art history (Renaissance through contemporary) for three credit hours that may be used to meet a general education/liberal studies humanities requirement

Degree Requirements

The undergraduate degree program consists of a minimum of seventy semester hours of coursework in interior design. Students are urged to attend professional conferences and lectures as a vital part of the educational process.

Specific degree requirements include the following:

1. Liberal studies: of the required and elective semester hours, three should be taken in ARH X057, an art history course. Refer to "The Liberal Studies Program" in the "Undergraduate Degree Requirements" chapter of this *General Bulletin* for specific degree requirements. Contact the program advisory for further information if needed.
2. Interior design studio courses: twenty-four semester hours

3. Technical and graphic design courses: nineteen semester hours
4. Lecture-based support courses: eighteen semester hours
5. History of interiors and architecture: nine semester hours
6. Electives in interior design: three semester hours.

Requirements for Bachelor of Arts Degree (only)

1. Electives in art-related courses must also meet University humanities requirement
2. Language requirement is the equivalent of two years of language proficiency (no credit requirement).

Refer to "The Liberal Studies Program" section in the "Undergraduate Degree Requirements" chapter of this *General Bulletin* for specific degree requirements.

Requirements for a Major in Interior Design

The program is a limited access major with required sequential course offerings and elective courses in interior design. Three diagnostic courses are offered during the first year of study (IND 1203, 1204, and 2002). In a portfolio review of work generated from these three classes, the top forty students are chosen to move forward into the second year and are formally accepted into the major. Transfer students may take all three diagnostic courses during the Summer term, and then go through First Year Review (their numbers counting within the total forty students chosen to move forward).

A specific listing of courses required for a major in interior design is available on the department Web site at <http://interiordesign.fsu.edu>. Internship preparation and placements are available for all undergraduate students, and students are urged to elect these studies. A minor is not required, but may be obtained in other appropriate areas (departmental advisement required prior to electing a minor).

Students majoring in interior design must maintain the minimum GPA for semester and overall averages, and achieve a minimum grade of "C-" in all interior design classes.

Honors in the Major

The Department of Interior Design offers a program in honors in the major to encourage talented juniors and seniors to undertake independent research as part of the undergraduate experience. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Definition of Prefixes

IND—Interior Design

Undergraduate Courses

IND 1203. Design Fundamentals I (3). This course is the study and development of two- and three-dimensional design projects using the elements and principles of design.

IND 1204. Design Fundamentals II (3). Prerequisite: IND 1203. This course is the continuing study and development of two- and three-dimensional design projects using the elements and principles of design leading to the development of architectural space.

IND 1206. Introduction to Interior Design (3). This course is a survey of the elements and principles of interior design to create an awareness of the made environment and a comprehensive appreciation of design.

IND 1406. Technical Drawing (3). This course is an introductory architectural drafting course encompassing structural information and technical skill building in orthographic, paraline, and perspective views.

IND 2002. Survey of Interior Design (3). This course offers a survey of the elements and principles of interior design and creates an awareness of the built environment and a comprehensive global appreciation of design. The presentation of major elements in residential and commercial interiors is aimed at self-application and beginning designers.

IND 2300. Graphic Techniques I (3). Prerequisite: First year review. This course is an introduction to achromatic media used in sketching, rendering, and design drawing, with an emphasis on schematics used in problem solving.

IND 2310. Graphic Techniques II (3). Prerequisite: IND 2300. This course is an introduction to contemporary graphics color media, reproduction processes, and presentation drawings, with a focus on the reinforcement of perspective and freehand drawing proficiencies, as well as rapid rendering techniques for interior delineation.

IND 3217. Interior Design Studio I (3). This course is an introduction to the fundamental elements and principles of design, design process, problem solving, space planning, and specifications.

IND 3431. Lighting Fundamentals (3). Prerequisite: IND 3217. This course explores the advanced technical aspects of interior design with emphasis on lighting, electrical plans, reflected ceiling plans, measurements, and acoustics.

IND 3440. Furniture Design (3). Prerequisite: IND 3469. This course focuses on the study of materials, structural considerations, function, and style of furniture and case goods by developing and appreciating their design and construction.

IND 3465. Computer-Aided Design I (3). Prerequisite: First year review. This course is an introduction to computer-aided design and drafting using AutoCAD software. Students develop an understanding of the software and how designers and architects use computers.

IND 3469. Computer-Aided Design II (3). Prerequisite: IND 3465. This course is an advanced computer-aided design class. Students increase their knowledge of 3D AutoCAD, learn the basics of Autodesk Viz software, and receive an overview of PhotoShop.

IND 3470. Construction Systems (3). Prerequisite: IND 3217. This lecture course focuses on general construction techniques and terminology, integrating the building systems of structure, plumbing, and mechanical and fire safety.

IND 3474. Construction Documents (3). Prerequisite: IND 3469. This studio course focuses on the generation of a comprehensive set of specifications and construction drawings for a single project.

IND 3480. Materials and Methods (3). Prerequisite: A textiles course. This course involves the study of furnishings and finishes for interiors with an emphasis on both aesthetic and performance qualities of the materials typically utilized in interior space.

IND 3529. Portfolio Development (1). (S/U grade only.) Prerequisite: IND 4218. This course allows students the opportunity to develop a professional portfolio format in hardcopy and digital media.

IND 3627. Principles of Sustainable Design (3). This course gives students a basic introduction to the fundamentals of sustainable design in order to better understand the inter-relationships between the built environment and nature.

IND 3930r. Special Topics in Interior Design (1-3). May be repeated to a maximum of twelve semester hours.

IND 4101r. History of Interiors I (3). This course is a study of architecture, interior, and furniture design from antiquity through the Renaissance. May be repeated to a maximum of six semester hours.

IND 4131r. History of Interiors II (3). This course is a study of architecture, interior, and furniture design of the 17th and 18th centuries. May be repeated to a maximum of six semester hours.

IND 4156r. Historical Restoration, Research and Documentation (3-6). This course includes study, research, and documentation of restoration and preservation procedures, sources of antiquities, and reproductions. Includes field trips. May be repeated to a maximum of six semester hours.

IND 4161r. History of Interiors III (3). This course includes the study of architecture, interior, and furniture design from the 19th century to the present. May be repeated to a maximum of six semester hours.

IND 4218. Interior Design Studio II (3). Prerequisite: IND 3217. This course consists of intermediate projects in creative problem solving applied to both residential and contract interiors. Emphasis on graphic communication and presentation.

IND 4242r. Interior Design Studio III (3). Prerequisite: IND 4218. This course consists of advanced projects in creative problem solving with emphasis on programming, spatial analysis, and open-office systems.

IND 4243r. Interior Design Studio IV (3-6). Prerequisite: IND 4242. This course is an advanced application of the design process with emphasis on individual professional objectives and procedures for portfolio presentation. May be repeated to a maximum of six semester hours.

IND 4506. Business Practices (3). Prerequisite: IND 4242. This course involves advanced analysis and research into the theory and philosophy of professional interior design practice.

IND 4601. Sociological and Psychological Aspects of Design (3). Prerequisite: First year review. This course is an exploration of the relationship between humans and their environment through the study of personal and social use of space, proxemics, spatial analysis, and the effects of the environment on human behavior.

IND 4905r. Directed Individual Study (1-3). (S/U grade only.) This course enables students to pursue independent work in the area of delineation or resources under the direction of a faculty member. May be repeated to a maximum of twelve semester hours.

IND 4947r. Internship (1-3). This internship enables students to pursue experience with design firm or other related field under the direction of a faculty member. May be repeated to a maximum of twelve semester hours.

IND 4970r. Honors in the Major (3). For honors credit, the Department of Interior Design requires a two-term honors program consisting of six thesis or project hours to be counted toward elective credit. Upon meeting Florida State University's requirements for honors courses, the students pursue independent creative and academic research as part of the undergraduate program.

Graduate Courses

IND 5005. Survey of Interior Design (5).

IND 5028. Creative Problem-Solving (3)

IND 5105r. History of Interiors Seminar I (3).

IND 5135r. History of Interiors Seminar II (3).

IND 5157. Historical Restoration, Research and Documentation (3).

IND 5165r. History of Interiors Seminar III (3).

IND 5208. Design Fundamentals (3).

IND 5235r. Graduate Studio I (3).

IND 5236r. Graduate Studio II (3).

IND 5257. Graduate Studio III (3).

IND 5258. Graduate Studio IV (3).

IND 5280. Graduate Studio V (3).

IND 5281. Graduate Studio VI (3).

IND 5316r. Design Graphics II (1-4).

IND 5317. Design Graphics I (3).

IND 5425. Graduate Technical Design (3).

IND 5428. Materials and Methods (3).

IND 5435r. Graduate Lighting Seminar (4).

IND 5445. Graduate Furniture Design (3).

IND 5476. Computer-Aided Design I (3).

IND 5477. Computer-Aided Design II (3).

IND 5479. Construction Systems (3).

IND 5487. Construction Documents (3).

IND 5508. Professional Practices (3).

IND 5526. Graduate Portfolio Review II (1). (S/U grade only.)

IND 5528. Graduate Portfolio Review I (1). (S/U grade only.)

IND 5609. Graduate Seminar: Social-Psychological Aspects of Design (3).

IND 5628. Principles of Sustainable Design (3).

IND 5634. Pre- Design Research and Programming (3).

IND 5636. Graduate Seminar: Design Theory and Criticism (3).

IND 5637. Graduate Seminar: Research Methods in Design (3).

IND 5638. Graduate Seminar: Design Issues (3).

IND 5910r. Directed Individual Study (1-3). (S/U grade only.)

IND 5911r. Supervised Research (1-5). (S/U grade only.)

IND 5930r. Special Topics in Interior Design (1-4).

IND 5944r. Field Research in Space Organization (1-8).

IND 5945r. Supervised Teaching (1-3). (S/U grade only.)

IND 5948r. Graduate Internship (1-3). (S/U grade only.)

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Program in INTERNATIONAL AFFAIRS

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY

Web Page: <http://www.coss.fsu.edu/inaprog/>

Director: Lee Metcalf (Social Sciences); **Director of Undergraduate Studies:** Whitney Bendeck (History); **Director of International Economic Education:** Onsurang Norrbin (Economics); **Director of Internships and Professional Development:** Eric Wiebelhaus-Brahm (Political Science)

The Departments of Anthropology, Economics, Geography, History, Modern Languages and Linguistics, Philosophy, Political Science, Religion, Sociology, and Urban and Regional Planning, as well as the School of Public Administration and Policy, cooperate in the offering of an interdepartmental major and minor at the undergraduate level. The program is designed to equip students with a fundamental knowledge of the field of international affairs, to acquaint them with the basic methods of approach to the field, and to provide a basis for intelligent observation of international affairs. Employment opportunities are to be found in government service, international organizations (public, private, or non-profit), business, journalism, and teaching.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in international affairs satisfy this requirement by earning a grade of "C-" or higher in CGS 2060, CGS 2064, or CGS 2100.

Requirements for a Major in International Affairs

Majors in international affairs must complete a minimum of thirty-nine semester hours beyond the liberal studies requirements, with a grade of "C-" or better in each course. A minimum cumulative grade point average (GPA) of 2.0 in all coursework applied to the major must be maintained. All courses counted toward the international affairs major must come from the approved list of courses in the participating departments (see below). Coursework must be selected from at least three participating departments and must include the required core course, Introduction to International Affairs. A minimum of twelve semester hours, maximum of eighteen semester hours must be in one department for a departmental concentration. Students may choose to obtain either a Bachelor of Arts (BA) degree or a Bachelor of Science (BS) degree, but in both cases must meet the modern foreign language requirement for the Bachelor of Arts (BA) degree. At least eighteen semester hours must be above the 2999 level. A maximum combined total of twelve semester hours in internship, directed individual study, or upper-division honors in the major may be credited to the major.

Majors must also complete the basic university computer competency requirement (see above).

Majors starting on or after Fall 2010 must complete INR 3003 Introduction to International Affairs.

Students are advised to coordinate their coursework with foreign language study, focusing on a regional concentration (e.g., Africa, the Middle East, East or South Asia, Russia, Eastern and Central Europe, Western Europe, or Latin America). Majors are encouraged to include such courses as CPO 2002, INR 2002, ECO 2013 and 2023, GEA 1000, and WOH 1030 among the courses they take to fulfill the liberal studies requirements (if those courses are taken to fulfill the liberal studies requirements, however, they cannot also be counted toward the major requirements).

In addition to a 2.0 overall GPA all students must meet "mapping" requirements. See <http://www.academic-guide.fsu.edu> for more information.

Study Abroad

Students majoring in international affairs are strongly encouraged to study abroad. Visit <https://international.fsu.edu/> for more information on the various options available through Florida State International Programs. Students should consult with the international affairs director about any other study abroad programs they wish to pursue. Coursework taken in overseas locations must be approved in advance for credit toward the major.

Internship

The Program in International Affairs encourages students to take advantage of internships at the state, national, and international level. There are opportunities to work in the international arena through agencies and businesses in Florida's capital, the Washington Center Program in Washington, DC., and Florida State's International Programs in Valencia, Panama, and London. Most

significantly, international affairs students can apply for one of the several prestigious internships in London, where we place our students in Parliament, the American Embassy, Amnesty International, NBC, the Associated Press, the British-American Chamber of Commerce, and other significant organizations. Information and application materials are available on the International Studies Blackboard Organization site. Applications must be submitted and all internships must be approved the semester before the internship takes place. See the IA program adviser in *211 Bellamy* for further information.

Honors in the Major

The Program in International Affairs offers honors in the major to encourage talented students to undertake independent research. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Second Majors

When students pursue a second major in the College of Social Sciences, they may count nine semester hours of coursework toward both of their majors. For a second major in the College of Arts and Sciences, only six semester hours may count toward both of the majors. Courses that may apply toward a second major must be from the approved course list.

Requirements for a Minor in International Affairs

A minor consists of eighteen semester hours beyond the liberal studies requirements with grades of "C-" or better. Work must be taken in at least three participating departments, and all those courses must be from the approved list of courses below. Modern language courses numbered above 2999 may count toward the minor. Nine of the eighteen semester hours must be numbered above 2999.

Approved Courses

Descriptions of individual courses can be found under the departments in which they are taught.

Note: In addition to the courses listed below, special topics courses may be approved by the program director in any particular term. These courses appear on the term course lists and are available at the *International Studies Organization* Blackboard site as well as the program office in *211 Bellamy*.

Required Core Course

INR 3003 Introduction to International Affairs (3)

Anthropology

ANT 2410 Introduction to Cultural Anthropology (3)
 ANT 2416 Childhood Around the World (3)
 ANT 2470 Anthropology of Globalization (3)
 ANT 3141 World Prehistory (3)
 ANT 3212 Peoples of the World (3)
 ANT 3610 Language and Culture (3)
 ANT 4142 European Prehistory (3)
 ANT 4163 Mesoamerican Archaeology (3)
 ANT 4175 Archaeology Islamic World (3)
 ANT 4241 Anthropology of Religion (3)
 ANT 4277 Human Conflict (3)
 ANT 4302 Sex Roles in Cross-Cultural Perspective (3)
 ANT 4309 Conquest of the Americas (3)
 ANT 4323 Peoples and Cultures of Mexico and Central America (3)
 ANT 4337 Peoples and Cultures of Amazonia (3)
 ANT 4352 Peoples and Cultures of Africa (3)
 ANT 4363 Japanese Society and Culture (3)

Economics (see course descriptions and/or adviser about required prerequisites)

ECO 2000 Introduction to Economics (3)*
 *Should not be taken after ECO 2013 or ECO 2023
 ECO 2013 Principles of Macroeconomics (3)
 ECO 2023 Principles of Microeconomics (3)
 ECO 3303 History of Economic Ideas (3)
 ECO 4704 International Trade (3)
 ECO 4713 International Finance (3)
 ECP 3113 Economics of Population (3)
 ECP 3302 Economics of Natural Resources, Energy and the Environment (3)

ECP 4118	Introduction to Economic Demography (3)
ECS 3003	Comparative Economic Systems (3)
ECS 3200	Economics of Asia (3)
ECS 4013	Economics of Development (3)
ECS 4333	Transition of Soviet and Eastern European Economies (3)
ECS 4504	Economics of the Middle East (3)

Geography

GEA 1000	World Geography (3)
GEA 2210	United States and Canada (3)
GEA 3173	Third World in Film (3)
GEA 3563	The Mediterranean (3)
GEA 4405	Latin America (3)
GEA 4500	Europe (3)
GEA 4520	Britain and Ireland (3)
GEA 4554	Russia and Southern Eurasia (3)
GEA 4635	Geography of the Middle East (3)
GEO 1330	Environmental Science (3)
GEO 1400	Human Geography (3)
GEO 3502	Economic Geography (3)
GEO 4340	Living in a Hazardous Environment (3)
GEO 4357	Environmental Conflict and Economic Development (3)
GEO 4372	Natural Resource Assessment and Analysis (3)
GEO 4403	Global Change, Local Places (3)
GEO 4421	Cultural Geography (3)
GEO 4450	Medical Geography (3)
GEO 4471	Political Geography (3)
GEO 4602	Urban Geography (3)
GEO 4700	Transport Geography (3)

History

All history courses are on the list of courses approved for international affairs majors **except** those courses with the AMH (American History) or the HIS prefix. Only three AMH courses and one HIS course are on the approved list for international affairs majors, namely:

AMH 3544	The United States and Vietnam 1941–1975 (3)
AMH 4511	Twentieth-Century United States Foreign Relations (3)
HIS 4250	War and the Nation State (3)

Modern Languages

Those credit hours earned by taking courses to fulfill the modern language requirement (which must be met by all international affairs majors) cannot be counted toward the international affairs major. Students may, however, earn credit toward the major for **additional** courses in modern languages. For a departmental concentration in modern languages, students must have a minimum of twelve semester hours of advanced-level coursework in one language, including two courses in culture and/or literature. Courses listed below do not require prerequisite language course background.

CHT 3391	Chinese Cinema and Culture (3)
FRT 3140	Masterworks of French Literature in Translation (3)
FRT 3520r	French Cinema (3)
GET 3130	Masterpieces of German Literature in Translation: 19th and 20th Centuries (3)
GET 3524r	German Cinema (3)
ITT 3430	Masterpieces of Italian Literature in Translation (3)
ITT 3500	Italian Culture and Civilization: From Origins to the Age of Romanticism (3)
ITT 3501	Modern Italian Culture: From the Unification to the Present (3)
ITT 3523r	Italian Cinema (3)
JPT 3391r	Japanese Film and Culture (3)
PRT 3391r	Brazilian Literature and Film in Translation (3)
RUT 3110	Russian Literature in English Translation (3)
RUT 3504	Modern Russian Life (3)
RUW 3100	Survey of Russian Literature I (3)
RUW 3101	Survey of Russian Literature II (3)
SLL 3500	Slavic Culture and Civilization (3)
SLL 3510	The Slavic Vampire (3)
SPT 3100	Spanish Literature in Translation (3)
SPT 3130	Latin American Literature in Translation (3)
SPT 3391r	Hispanic Cinema (3)

Philosophy

PHH 3400	Modern Philosophy (3)
PHH 3500	19th-Century Philosophy (3)
PHH 4600r	Contemporary Philosophy (3)
PHI 2010	Introduction to Philosophy (3)
PHI 2620	Environmental Ethics (3)
PHI 3400	History and Philosophy of Science (3)
PHM 2300	Introduction to Political Philosophy (3)
PHM 3331r	Modern Political Thought (3)
PHM 3400	Philosophy of Law (3)
PHM 4340r	Contemporary Political Thought (3)

Political Science (see course descriptions and/or adviser about required prerequisites)

CPO 2002	Introduction to Comparative Government and Politics (3)
CPO 3034	Politics of Developing Areas (3)
CPO 3101	European Union (3)
CPO 3103	Comparative Government and Politics: Western Europe (3)
CPO 3123	Comparative Government and Politics: Great Britain (3)
CPO 3303	Politics of Latin America (3)
CPO 3403	Comparative Government and Politics: The Middle East (3)
CPO 3520	Emerging Democracies in Northeast Asia: Korea, Taiwan, Japan (3)
CPO 3541	Politics of China (3)
CPO 3733	Emerging Democracies of Central Europe (3)
CPO 3930r	Special Topics in Comparative Government and Politics (1–3)
CPO 4057	Political Violence (3)
CPO 4504	Institutional Approaches to Democracies and Dictatorships (3)
INR 2002	Introduction to International Relations (3)
INR 3004	Geography, History, and International Relations (3)
INR 3084	Terror and Politics (3)
INR 3502	International Organization (3)
INR 3603	Theories of International Relations (3)
INR 3933	Special Topics in International Relations (3)
INR 4011	Political Responses to Economic Globalization (3)
INR 4075	International Human Rights (3)
INR 4078	Confronting Human Rights Violations (3)
INR 4083	International Conflict (3)
INR 4102	American Foreign Policy (3)
INR 4124	Statecraft (3)
INR 4244	Studies in International Politics: Latin America (3)
INR 4274	Studies in International Politics: The Middle East (3)
INR 4334	American Defense Policy (3)
INR 4702	Political Economy of International Relations (3)
PHM 3331r	Modern Political Thought (3)
PHM 4340r	Contemporary Political Thought (3)
POT 3003	Introduction to Political Thought (3)

Public Administration

PAD 3003	Public Administration in American Society (3)
PAD 4374	Introduction to Terrorism (3)
PAD 4375	Advanced Topics Terrorism (3)*
PAD 4833	International and Comparative Disaster Management (3)
PAD 4936	Special Topics (3) (Topics vary, students may take: International Comparative Emergency Management, International Sustainable Development, International Terror Policy, or NGO's and Disaster)

* requires prerequisite course PAD 4374

Religion

REL 1300	Introduction to World Religions (3)
REL 2210	Introduction to Old Testament (3)
REL 2240	Introduction to New Testament (3)
REL 2315	Religions of South Asia (3)
REL 2350	Religions of East Asia (3)
REL 3145	Gender and Religion (3)
REL 3170	Religious Ethics and Moral Problems (3)
REL 3171	Topics in Ethics (3)
REL 3194	The Holocaust (3)
REL 3333	Hindu Texts and Contexts (3)
REL 3337	Goddesses, Women and Power in Hinduism (3)

- REL 3340 The Buddhist Tradition (3)
- REL 3345 Chan Zen Buddhism (3)
- REL 3358 Tibetan and Himalayan Religions (3)
- REL 3363 The Islamic Tradition (3)
- REL 3367 Islam in the Modern World (3)
- REL 3505 The Christian Tradition (3)
- REL 3607 The Jewish Tradition (3)
- REL 4304 Undergraduate History of Religions Seminar (3)
- REL 4335 Modern Hinduism (3)
- REL 4359r Special Topics in Asian Religions (3)
- REL 4562 Modern Roman Catholicism (3)
- REL 4613 Modern Judaism (3)

Sociology

- SYD 3020 Population and Society (3)
- SYD 3600 Cities in Society (3)
- SYG 1000 Introductory Sociology (3)
- SYG 2010 Social Problems (3)
- SYO 3530 Social Classes and Inequality (3)
- SYP 3000 Social Psychology of Groups (3)
- SYP 3454 Global Justice Movements (3)

Urban and Regional Planning (see course descriptions and/or adviser about required prerequisites)

- URP 3000 Introduction to Planning and Urban Development (3)
- URP 4402 Sustainable Development Planning in the Americas (3)
- URP 4618 Planning for Developing Regions (3)
- URS 1006 World Cities: Quality of Life (3)

Definition of Prefixes

INR—International Relations

PAX—Peace Studies

Undergraduate Courses

INR 3003. Introduction to International Affairs (3). This course introduces students to the core questions and concerns of international affairs. This course surveys the many distinct academic disciplines that together contribute to the development of an interdisciplinary understanding of the international system. The course examines how each of these disciplines understands the international system, the questions it raises, and its strengths and weaknesses. In addition, the course provides an introduction to many of the global issues of interest to international affairs majors, including terrorism, democracy, and globalization. At the end of this course, students have the skills and knowledge required to construct their own specialized plan of study in international affairs.

INR 3931. Special Topics (1-3). (S/U grade only.) Topics vary. May be repeated within the same term to a maximum of nine semester hours.

INR 3932r. Special Topics in International Affairs (1-3). Topics vary. May be repeated as topics change to a maximum of nine semester hours.

INR 4905r. Directed Individual Study (1-3). May be repeated to a maximum of twelve semester hours.

INR 4937r. Honors Work (1-6). May be repeated to a maximum of nine semester hours.

INR 4941r. Internship (3-6). (S/U grade only.) Prerequisites: Fifteen semester hours beyond liberal studies, a minimum cumulative GPA of 3.0, and instructor permission one semester in advance. This internship places students in approved agencies and organizations. Designed to provide practical experience in the area of international affairs. May be repeated to a maximum of six semester hours.

PAX 3930r. Special Topics in Peace Studies (3). Topics vary. May be repeated to a maximum of fifteen semester hours.

Graduate Courses

- INR 5012. Problems of Globalism (3).
- INR 5906r. Directed Individual Study (1-3). (S/U grade only.)
- INR 5910r. Supervised Research (1-3). (S/U grade only.)
- INR 5935r. Special Topics (1-3). (S/U grade only.)
- INR 5936r. Special Topics in International Affairs (1-3).
- INR 5938. Joint Seminar in International Affairs (3).

For listings relating to graduate coursework for thesis, master's comprehensive examination, and thesis defense, consult the *Graduate Bulletin*.

INTERNATIONAL/INTERCULTURAL DEVELOPMENT EDUCATION:

see Educational Leadership and Policy Studies

ITALIAN:

see Modern Languages and Linguistics

Interdepartmental Minor in ITALIAN STUDIES, FLORENCE CENTER

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://www.florence.international.fsu.edu/>

Coordinator: James E. Pitts (International Programs)

The Italian studies Florence Center minor is concerned with the culture of Italy from ancient times to the present. The minor is built around the student's program of studies at the Florida State University Florence Study Center, allowing the student to pursue the minor before, during, and after the student attends the Florence program. The minor gives greater focus to, and enhances the quality of, the student's program of studies in Italy. The sojourn in Florence is the essential element in the minor, providing direct involvement in contemporary Italian civilization as well as exposure to Italy's historical cultural artifacts.

Requirements for a Minor in Italian Studies

The interdisciplinary minor requires the completion of fifteen semester hours in courses approved by the Italian Studies Florence Center Minor Coordinating Committee. **At least nine semester hours of approved courses must be taken while the student is in residence at the Florence Study Center.** A maximum of nine semester hours may be counted in any single academic discipline. Students who intend to minor in Italian studies should declare this intention with International Programs at the end of the semester in Florence. Contact Betty Seymour at bseymour@fsu.edu for further information.

The student must have completed at least three semester hours (or the equivalent) in elementary Italian prior to attending the Florence Center.

A minimum grade of "C-" must be earned for all courses taken for the minor. In addition, a minimum cumulative grade point average of 2.0 must be maintained in all courses counted toward the minor.

Core Courses

These courses will be counted in the minor whether they are taken at the Tallahassee campus or in Florence. Descriptions of these courses can be found under the individual departments in which they are taught:

- ARH 3150 Art and Archaeology of Ancient Italy (3)
- ARH 4120 Etruscan Art and Archaeology (3)
- ARH 4151 Art and Archaeology of the Early Roman Empire (3)
- ARH 4154 Archaeology of the Late Roman Empire (3)
- ARH 4210 Early Christian and Byzantine Art (3)
- ARH 4304 History of Renaissance Architecture (3)
- ARH 4310 Early Italian Renaissance Art: 15th Century (3)
- ARH 4312 Later Italian Renaissance Art: 16th Century (3)
- ARH 4352 Southern Baroque Art (3)
- CLA 2010 Introduction to Greek and Roman Civilization (3)
- CLA 2123 The Roman Way: Introduction to Roman Civilization (3)
- CLA 3502 Women, Children, and Slaves in Ancient Rome: The Roman Family (3)
- CLA 4447r Studies in Roman History (3)
- CLA 4780r Classical Archaeology: Field Work (1-6)
- CLA 4880 Roman Law (3)
- EUH 3431 Modern Italy (3)
- EUH 4140 Renaissance (3)
- EUH 4244 Fascism (3)
- EUH 4412 The Roman Republic (3)
- EUH 4413 The Roman Empire (3)
- LNW 4320 Roman Lyric, Elegiac, and Pastoral Poetry (3)
- LNW 4340 Roman Epic (3)
- LNW 4360 Roman Satire (3)
- LNW 4380 The Roman Historians and Cicero (3)
- MUS 4241 Italian Language and Diction for Singers (3)
- PHH 3061 Medieval and Renaissance Philosophy (3)
- REL 3505 The Christian Tradition (3)
- REL 4564 Modern Roman Catholicism (3)

In addition, any Italian courses at the 2000 level or above will count toward the Italian Studies minor.

Note: Each student must have completed at least one introductory course in Italian—on the freshman level—prior to studying at the Florence Center in order to qualify for a minor in Italian studies. Note also that courses used to satisfy the University's foreign language requirement for the BA degree may not also count in the minor.

Related Courses

These courses may be counted in the minor **only** when they are taken at the Florence Study Center:

- ARH 2000 Art, Architecture, and Artistic Vision (3)
- ARH 3056 History and Criticism of Art I (3)
- ARH 3057 History and Criticism of Art II (3)
- ARH 4211 Early Medieval Art (3)
- ARH 4230 Later Medieval Art (3)
- ART 1300C Drawing I (3)
- CLT 3370 Classical Mythology (3)
- ENC 3310 Article and Essay Technique (3)
- ENC 4311 Advanced Article and Essay Workshop (3)
- EUH 2000 Ancient and Medieval Civilizations (3)
- HUM 2221 Humanities: Homer to Gothic (3)
- HUM 2235 Humanities: From the Renaissance to the Enlightenment (3)
- HUM 4931r Topics in the Civilization of Britain or Italy (3)
- IND 4101r History of Interiors I (3)
- PGY 2100C Photo for Non-Art Majors (3)

All other courses offered at the Florence Study Center may be counted toward the minor if a course syllabus shows that at least 50 percent of the material presented is relevant to the minor, and provided the Florence Center Minor Coordinating Committee gives approval for their inclusion in the minor. In addition, special topics courses offered on Florida State University's campus on a one-time basis may be counted if the Coordinating Committee approves them. To have such courses considered, petition the Coordinating Committee, International Programs, *University Center A5500, Tallahassee, FL, 32306-2420.*

JAPANESE:

see Asian Studies; Modern Languages and Linguistics

LATIN:

see Classics

Program in LATIN AMERICAN AND CARIBBEAN STUDIES

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY

Web Page: <http://lacs.fsu.edu/>

The Program in Latin American and Caribbean Studies (LACS) is designed to inspire and develop knowledge and experience of the region. Interdisciplinary by design, cooperating departments support innovative blends of teaching and research with the goal of providing undergraduates a solid grasp of Latin America's present and past, and emphasizing major aspects of the region's unique structures. Additionally, majors and minors are encouraged to participate in the related programs in Costa Rica and Panama. As the intellectual home for an interdisciplinary community of scholars, students, and visitors, LACS supports a range of research and teaching amid a broader array of sponsored lectures, cultural events, and internships.

The baccalaureate program may be viewed as preparation for graduate school in various fields or as leading to professions in government and international service, multinational commerce, law, teaching, and translation.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in Latin American and Caribbean studies satisfy this requirement by earning a grade of "C-" or higher in CGS 2060, CGS 2064, or CGS 2100.

Requirements for a Major in Latin American and Caribbean Studies

Students majoring in the program are to construct their study program around three components: (1) a language requirement, (2) an area-specific coursework requirement, and (3) a concepts and theories tool requirement. The total hour requirements for the major are a minimum of twelve semester hours in an approved area language plus an additional thirty-six semester hours beyond the liberal studies requirements (with a grade of "C-" or better in each of the Latin American and Caribbean studies courses. As this is an interdisciplinary program, no minor is required.

In addition to a 2.0 overall GPA, all students must meet "mapping" requirements. See <http://www.academic-guide.fsu.edu> for more information.

Language Requirement

All students are required to take twelve semester hours of coursework in a relevant area language (Spanish, Portuguese, French, or some other relevant area language), or demonstrate proficiency at the intermediate college level. Students are encouraged to bring their chosen language up to an effective level of proficiency in both reading and speaking by either taking additional coursework on the campus of Florida State University or by participating in a semester- or summer-abroad program in their relevant cultural area as such programs become available. These programs should be administered by, affiliated with, or approved by Florida State University. To encourage the achievement of language proficiency, language coursework hours taken beyond the intermediate college level may be counted toward the required thirty-six semester hours for the major.

Area Specific Course Requirement

Students are to select at least twenty-four semester hours of area specific coursework from the approved list of area-specific courses. Note that special topic area-specific courses may be approved from time to time; for the most current list, students are encouraged to view the term-specific courses posted on the *International Studies Blackboard Organization* site.

Concept and Theory Course Requirement

Students are to select at least six semester hours of coursework from the approved list of concept and theory courses. Students should carefully select these courses in consultation with their academic adviser to ensure that the courses meet any required prerequisites for the approved courses.

Latin American and Caribbean Studies Major with a Minor in Business

This degree program combines the regular Latin American and Caribbean studies major with a planned series of economics and business courses. The requirements for this degree are twelve semester hours or demonstrated intermediate college-level proficiency in an approved language (Spanish, Portuguese,

French, or some other relevant area language), twenty-one semester hours in Latin American and Caribbean studies coursework, and fifteen semester hours in multinational business courses. The Latin American and Caribbean studies coursework is to be selected from the area specific courses. With this degree there is no concepts and theories requirement. Students are also to select between two fifteen semester hour business coursework options listed below, an international marketing track or an international finance track. The prerequisites for both tracks include ECO 2013 and 2023, which may be taken as part of the student's basic studies requirements. In addition, students opting for the international finance track must complete ACG 2021 as a prerequisite. Students should seek advising from the Latin American and Caribbean Studies program adviser in *211 Bellamy* about registering for business courses.

International Marketing/Management Track

MAN 3240 Organizational Behavior
MAN 3600 Multinational Business Operations (Prerequisites: ECO 2013, ECO 2023)

MAR 3023 Basic Marketing Concepts (Prerequisite: ECO 2023)

And six hours selected from:

MAN 4401 Management of Labor and Industrial Relations (Prerequisite: MAN 3240)

MAN 4605 Cross-Cultural Management (Prerequisite: MAN 3240)

MAN 4680 Selected Topics in International Management (Valencia, Spain) (Prerequisites: ECO 2013, ECO 2023, MAN 3600)

MAN 4701 Business and Society (Prerequisite: MAN 3240)

MAR 4156 Multinational Marketing (Prerequisite: MAR 3023, MAN 3600)

Another related course approved by the Latin American and Caribbean studies program adviser

International Finance Track

FIN 3244 Financial Markets, Institutions, and International Finance Systems (Prerequisites: ACG 2021, ECO 2013)

FIN 3403 Financial Management of the Firm (Prerequisites: ACG 2021, ECO 2023)

MAN 3600 Multinational Business Operations (Prerequisites: ECO 2013, ECO 2023)

And six hours selected from:

FIN 4424 Problems in Financial Management (Prerequisites: FIN 3244, FIN 3403)

FIN 4504 Investments (Prerequisites: FIN 3244, FIN 3403, STA 3014)

FIN 4514 Security Analysis and Portfolio Management (Prerequisite: FIN 4504)

FIN 4604 Multinational Financial Management (Prerequisites: FIN 3403, FIN 3244)

GEB 4455 Perspectives on Free Enterprise (Prerequisites: FIN 3244, FIN 3403)

Another related course approved by the LACS program adviser

Study Abroad

Students majoring in Latin American and Caribbean studies are strongly encouraged to study abroad. See <https://international.fsu.edu/> for more information on the various options available through Florida State International Programs

Students should consult with the Latin American and Caribbean Studies Director about any other study abroad programs they wish to pursue. Coursework taken in overseas locations must be approved in advance for credit toward the major.

Internship

The Latin American and Caribbean studies program encourages students to take advantage of internships with an area focus. Information on possible placements can be found on the *International Studies Blackboard Organization* site. All application materials, which are also available on the *International Studies Blackboard Organization* site, must be submitted and all internships must be approved a semester prior. See the Latin American and Caribbean Studies program adviser in *211 Bellamy* for further information.

Honors in the Major

The Program in Latin American and Caribbean Studies offers honors in the major to encourage talented juniors and seniors to undertake independent and original work as part of the undergraduate experience. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Minor in Latin American and Caribbean Studies

Students pursuing a minor in the program must complete eighteen semester hours of Latin American and Caribbean studies coursework beyond the liberal studies requirement. In this case none of the broader comparative concepts and theories courses will count toward the eighteen semester hour minimum. Students may select freely from all area-specific courses.

Approved Courses

Note: Descriptions of specific courses can be found under the individual departments in which they are taught. In addition to the courses listed below, special topics courses may be approved by the program director in any particular term. These courses appear on the term course lists and are available at the *International Studies Blackboard Organization* site as well as the program office in 211 Bellamy.

Area Specific Courses (twenty-four credit hours)

Anthropology

- ANT 4163 Mesoamerican Archaeology (3)
- ANT 4166r Regional Civilizations in Ancient Mesoamerica (3)
- ANT 4167 Maya Hieroglyphic Writing (3)
- ANT 4227r Topics in Pre-Colombian Art and Iconography (3)
- ANT 4309 Conquest of the Americas (3)
- ANT 4323 Peoples and Cultures of Mexico and Central America (3)
- ANT 4337 Peoples and Cultures of Amazonia (3)

Communication

- ADV 3410 Hispanic Marketing Communication (3)

Economics

- ECS 4013 Economics of Development (3)

English

- AML 3630 Latino/a Literature in English (3)

Geography

- GEA 4405 Latin America (3)

History

- LAH 1093 Latin America: A Cross Cultural History (3)
- LAH 3411 History of Mexico, Central America and the Caribbean (3)
- LAH 3456 History of Panama Since 1940 (3)
- LAH 3500 History of South America (3)
- LAH 3734 Latin American History Through Film (3)
- LAH 4430 History of Mexico (3)
- LAH 4470 History of the Caribbean (3)
- LAH 4600 History of Brazil (3)
- LAH 4723 Race and Class in Colonial Latin America (3)
- LAH 4748 Social Revolutionary Movements in Latin America (3)

Hospitality

- HFT 4205 Conversational Spanish for Hospitality Managers (3)

Latin American and Caribbean Studies

- LAS 4905r Directed Individual Study (3)
- LAS 4935r Honors Work (3)
- LAS 4940r Internship in Latin American and Caribbean Studies (1-6)

Modern Languages and Linguistics

- POR 3140 Portuguese for Advanced Students of Spanish I (3)
- POR 3141 Portuguese for Advanced Students of Spanish II (3)
- PRT 3391r Brazilian Literature and Film in Translation (3)
- SPN 3332 Communication in Language and Culture I (3)
- SPN 3333 Communication in Language and Culture II (3)
- SPN 3350 Spanish for Heritage Speakers (3)
- SPN 3440 Language and Culture in Business (3)
- SPN 3520 Cultures of Latin America (3)
- SPN 4440 Business Writing in Spanish (3)
- SPN 4540r Regional Cultural Studies (3)
- SPN 4740 Hispanic Sociolinguistics (3)
- SPT 3130 Latin American Literature in Translation (3)
- SPW 3030 Approaching Hispanic Literature (3)
- SPW 3132 Readings from Early Spanish America (3)
- SPW 3391r Hispanic Cinema (3)

- SPW 3493 Readings from Modern Spanish America (3)
- SPW 4140r The Poetics of Hispanic Love and Violence (3)
- SPW 4150r Transatlantic Encounters (3)
- SPW 4301r Hispanic Culture and Performance (3)
- SPW 4491 Spanish American Women Writers (3)
- SPW 4770 Caribbean Literature (3)

Music

- MUH 4541 Music of Latin America I (3)
- MUH 4542 Music of Latin America II (3)
- MUH 4543 Music in the Caribbean (3)
- MUN 2800r World Music Ensemble (0-1) (Caribbean Salsa Ensemble, Caribbean Steel Band Ensemble, Andean Music Ensemble)

Political Science

- CPO 3034 Politics of Developing Areas (3)
- CPO 3303 Politics of Latin America (3)
- INR 4244 Studies in International Politics: Latin America (3)

Religion

- REL 3128r Topics in Religion in the Americas (3)
- REL 4562 Modern Roman Catholicism (3)

Sociology

- SYD 4700 Race and Minority Group Relations (3)

Urban and Regional Planning

- URP 4402 Sustainable Development Planning in the Americas (3)

Concept and Theory Courses (six credit hours)

Recommended Prerequisite Social Science-Concepts and Theories

- CPO 2002 Introduction to Comparative Government and Politics (3)
- ECO 2013 Principles of Macroeconomics (3)
- ECO 2023 Principles of Microeconomics (3)
- INR 2002 Introduction to International Relations (3)

Other Concepts and Theories

- ANT 2410 Introduction to Cultural Anthropology (3)
- ANT 3212 Peoples of the World (3)
- ANT 3610 Language and Culture (3)
- ANT 4241 Anthropology of Religion (3)
- ARH 2000 Art, Architecture, and Artistic Vision (3)
- ARH 3056 History and Criticism of Art I (3)
- ARH 3057 History and Criticism of Art II (3)
- ECO 3303 History of Economic Ideas (3)
- ECO 4704 International Trade (3) [with ECO 2013, ECO 2023, and ECO 4101 as prerequisites]
- ECO 4713 International Finance (3) [with ECO 2013 and ECO 2023 as prerequisites]
- ECS 3003 Comparative Economic Systems (3) [with ECO 2013 and ECO 2023 as prerequisites]
- GEA 1000 World Geography (3)
- GEO 1400 Human Geography (3)
- GEO 3502 Economic Geography (3)
- GEO 4421 Cultural Geography (3)
- GEO 4471 Political Geography (3)
- HUM 3321 Multicultural Dimensions of Film and 20th-Century Culture (3)
- INR 3004 Geography, History, and International Relations (3)
- INR 3084 Terror and Politics (3) [with INR 2002 as prerequisite]
- INR 3502 International Organizations (3) [with INR 2002 as prerequisite]
- INR 3603 Theories of International Relations (3) [with INR 2002 as prerequisite]
- INR 4011 Politics of Globalization (3) [with INR 2002 as prerequisite]
- INR 4075 International Human Rights (3) [with INR 2002 as prerequisite]
- INR 4078 Confronting Human Rights Violations (3) [with INR 2002 as prerequisite]
- INR 4083 International Conflict (3) [with INR 2002 as prerequisite]
- INR 4102 American Foreign Policy (3) [with INR 2002 as prerequisite]
- INR 4124 Statecraft (3) [with INR 2002 as prerequisite]
- INR 4334 American Defense Policy (3) [with INR 2002 as prerequisite]
- INR 4702 Political Economy of International Relations (3) [with INR 2002 as prerequisite]
- MUH 2051 Music Cultures of the World – Music of Tribal and Folk Cultures (3)

PAD 3003	Public Administration in American Society (3)
PHI 2010	Introduction to Philosophy (3)
PHI 2630	Ethical Issues and Life Choices (3)
PHI 3670	Ethical Theory (3)
PHI 3700	Philosophy of Religion (3)
PHI 3800	Philosophy of the Arts (3)
PHI 3882	Philosophy in Literature (3)
PHM 2300	Introduction to Political Philosophy (3)
PHM 3331r	Modern Political Thought (3)
PHM 3400	Philosophy of Law (3)
PHM 4340r	Contemporary Political Thought (3)
POT 3003	Introduction to Political Thought (3)
PSY 2012	General Psychology (3)
PUP 3002	Introduction to Public Policy (3)
PUR 3002	Public Relations Techniques (3)
REL 1300	Introduction to World Religions (3)
REL 3142	Religion, the Self and Society (3)
REL 3170	Religious Ethics and Moral Problems (3)
SOP 3004	Social Psychology (3)
SYA 4010	Sociological Theory (3)
SYG 1000	Introductory Sociology (3)
SYG 2010	Social Problems (3)
SYO 3530	Social Classes and Inequality (3)
SYP 3000	Social Psychology of Groups (3)
SYP 3350	Collective Action and Social Movements (3)
SYP 3454	Global Justice Movements (3)
SYP 3540	Sociology of Law (3)

Additional Latin American and Caribbean Studies Courses (Six credit hours)

Select from any approved Latin American and Caribbean studies course or an approved internship.

Definition of Prefix

LAS—Latin American Studies

Undergraduate Courses

LAS 4905r. Directed Individual Study (3). May be repeated to a maximum of six semester hours when content varies. Can be repeated within same semester.

LAS 4935r. Honors Work (3). This course allows students to participate in a supervised research problem and produce a paper describing the results of that work. Open to participants in the University and department honors program. May be repeated to a maximum of nine semester hours.

LAS 4940r. Internship in Latin American and Caribbean Studies (1–6). Prerequisites: Completion of sixty semester hours, completion of fifteen semester hours in LACS, an overall or LACS GPA of 3.0, and adviser permission one semester in advance. This internship in an approved organization provides practical experience in a number of fields, in which the student may apply interdisciplinary knowledge of the region and specific disciplinary training. May be repeated to a maximum of twelve semester hours.

LAW

COLLEGE OF LAW

Web Page: <http://www.law.fsu.edu>

Professors: Atkinson, Christie, Dodge, Griffith, Hirsch, Hsu, Johnson, Kahn, Logan, Markel, B. Markell, D. Markell, Seidenfeld, Stern, Utset, Weidner; **Associate Professors:** Alces, Cahill, Lee; **Assistant Professors:** Bayern, Fontaine, Kesten, Landau, Linford, Pursley, Spottswood, Tolson, H. Wiseman, S. Wiseman, Ziegler; **Research Associates in Law:** Annino, Blenkhorn, Gertz, Krieger, LaVia, Stone; **Associates in Law:** Matthews, Taylor; **Edward Ball Eminent Scholar:** Abbott; **Tobias Simon Eminent Scholar:** Tesón; **Professors Emeriti:** Banoff, Ehrhardt, Dickson, Kennedy, Larson, Oeltjen, Powell, Schroeder, Southerland, Van Doren, Vinson, Yetter

The College of Law provides students with a sophisticated legal education. The school encourages close working relationships among students and faculty; expert faculty members are accessible to students and teach them outside of the classroom as well as inside the classroom. Our faculty adds value by delivering a program of study that prepares students to enter the worlds of law, business, or government at the highest possible level. The College of Law inhabits a strong sense of community; students are proud of the law school and of one another.

For further details of degree requirements, plus a description of the college and its opportunities, refer to the College of Law Web site at <http://www.law.fsu.edu>.

Definition of Prefix

LAW—Law

Graduate Courses

LAW 5000.	Contracts (4).
LAW 5100.	Criminal Law (3).
LAW 5300.	Civil Procedure (4).
LAW 5400.	Property (4).
LAW 5501.	Constitutional Law I (3).
LAW 5502.	Constitutional Law II (3).
LAW 5532.	Legislation and Regulation (3).
LAW 5700.	Torts (4).
LAW 5792.	Legal Writing and Research I (2).
LAW 5793.	Legal Writing and Research II (2-3).
LAW 6010.	Sales and Leases (2–3).
LAW 6020.	Commercial Paper (2–3).
LAW 6030.	Secured Transactions (2–3).
LAW 6035.	Commercial Law Survey (1–4).
LAW 6060.	Business Associations (4).
LAW 6062.	Agency and Partnership (2–3).
LAW 6080.	Insurance Law (2–3).
LAW 6260.	International Law (3).
LAW 6261.	International Business Transactions (3–4).
LAW 6302.	Federal Jurisdiction (3).
LAW 6310.	Alternative Dispute Resolution (2–3).
LAW 6312.	Mediation (3).
LAW 6315.	Arbitration (3).
LAW 6321.	Remedies (3).
LAW 6330.	Evidence (4).
LAW 6420.	Land Transfer (2–3).
LAW 6430.	Gratuitous Transfers (4).
LAW 6460.	Land Use Regulation (3).
LAW 6470.	Environmental Law (3).
LAW 6480r.	Natural Resources Law (2–3).
LAW 6520.	Administrative Law (1–4).
LAW 6524.	Statutory Interpretation (3).
LAW 6530.	Local Government Law (3).
LAW 6545.	Employment Law Survey (3–4).
LAW 6550.	Antitrust Law (2–3).
LAW 6555.	Law and Economics (3).
LAW 6571.	Intellectual Property I (2–3).
LAW 6572r.	Intellectual Property II (2–3).
LAW 6600r.	Taxation I (3–4).
LAW 6610.	Corporate Tax (2–4).
LAW 6618.	Taxation of Business Entities (3).
LAW 6620.	Estate and Gift Tax (3).

- LAW 6670. Real Estate Transactions (3).
 LAW 6702r. Products Liability (2-3).
 LAW 6703. Advanced Torts (2-3).
 LAW 6705. Workers' Compensation (2-3).
 LAW 6720r. Health Law and Policy (2-3).
 LAW 6794. Writing Skills (3).
 LAW 7040. Consumer Law (2-3).
 LAW 7050. Creditors' Rights (3).
 LAW 7054. Bankruptcy Policy Seminar (2).
 LAW 7064. Corporate Finance (2-3).
 LAW 7111. Constitutional Criminal Procedure I (2-3).
 LAW 7113. Constitutional Criminal Procedure II (2-3).
 LAW 7116. Florida Criminal Practice (2-3).
 LAW 7210. Jurisprudence (1-4).
 LAW 7227. American Legal History I (2-3).
 LAW 7228. American Legal History II (2-3).
 LAW 7229. American Legal History III (2-3).
 LAW 7233. Cyber Law (2-3).
 LAW 7246. Lawyers and Literature (2-3).
 LAW 7250. Comparative Law (2-3).
 LAW 7252. Comparative Criminal Procedure (2-3).
 LAW 7262. International Trade (2-3).
 LAW 7264. Immigration Law (2-3).
 LAW 7266. International Litigation (2).
 LAW 7268. International Environmental Law (2-3).
 LAW 7303. Florida Practice (2).
 LAW 7307. Advanced Civil Procedure (2-3).
 LAW 7340. Conflict of Laws (3).
 LAW 7360. Trial Practice (2). (S/U grade only.)
 LAW 7451. Estate Planning (2).
 LAW 7475. Coastal and Ocean Law (2-3).
 LAW 7476. Law of the Sea (2-3).
 LAW 7477. Environmental Issues in Business Transactions (2-3).
 LAW 7481. Energy Law and Policy (2-3).
 LAW 7482. Endangered Species Protection Law (2-3).
 LAW 7503. State Constitutional Law (3).
 LAW 7504. Supreme Court Roleplay (2-3).
 LAW 7510r. Civil Rights (2-3).
 LAW 7511r. First Amendment (2-3).
 LAW 7512. Church and State (2-3).
 LAW 7521. Florida Administrative Practice (2-3).
 LAW 7549. Employment Discrimination (3).
 LAW 7560. Securities Regulation (3).
 LAW 7565. Securities Litigation Seminar (2).
 LAW 7574. International Aspects of Intellectual Property (2-3).
 LAW 7575. Entertainment Law (2-3).
 LAW 7581. Sports Law (2).
 LAW 7613. Taxation of Business Entities II (2-3).
 LAW 7660. Tax Policy (2).
 LAW 7680r. International Tax (2-3).
 LAW 7704r. Mass Tort Litigation (2-3).
 LAW 7710. Family Law (3).
 LAW 7716. Florida Dissolution of Marriage (2-3).
 LAW 7722. Bioethics and the Law (3).
 LAW 7730. Admiralty Law (2-3).
 LAW 7750. Professional Responsibility (3).
 LAW 7760. Accounting and the Law (2-3).
 LAW 7795. Advanced Writing Skills: Appellate Briefs (2).
 LAW 7805r. LLM Writing Project (3). (S/U grade only.)
 LAW 7910r. Directed Individual Study (1-5). (S/U grade only.)
 LAW 7915r. Legislative Policy Studies (1-3).
 LAW 7915r. Legislative Policy Studies (1-3).
 LAW 7930r. College of Law Special Topics (1-5).
 LAW 7939r. Special Topics (2-3). (S/U grade only.)
 LAW 7940r. Clinical Orientation (1-2). (S/U grade only.)
 LAW 7949r. Clinical Law Programs (1-15). (S/U grade only.)
 LAW 7950r. Law Review (1-5). (S/U grade only.)
 LAW 7951r. Moot Court Competition (1-3). (S/U grade only.)

LEARNING AND COGNITION:
 see Educational Psychology and Learning Systems

Program in LAW AND SOCIETY

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY

Web Page: <http://www.coss.fsu.edu/iss/content/undergraduate-major-social-sciences-emphasis-law-and-society>

Director: Robert E. Crew, Jr., Office of the Dean, College of Social Sciences and Public Policy

The Program in Law and Society offers an interdisciplinary study of the interaction of law and legal institutions and contemporary society. It is designed to provide an appreciation and recognition of the impact of law and legal institutions on society and the ways law is shaped by the values, behavior, and organization of social, economic, and political systems. Courses from the Departments of Economics, Geography, Political Science, Urban and Regional Planning, and Sociology, as well as the School of Public Administration and Policy, are included. Students may minor in law and society or select a major concentration in law and society through the interdisciplinary social sciences major. The Program in Law and Society is appropriate for a variety of educational and occupational goals because it provides an introduction to the links between law and other human activity and serves as a broad liberal education in the social sciences. Although prelaw students may enroll in law and society, the program is not a prelaw or pre-professional program, and a minor or major concentration in law and society is not offered as preparation for law school.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in the law and society concentration in the Interdisciplinary Program in Social Science satisfy this requirement by earning a grade of "C–" or higher in CGS 2060, CGS 2064, or CGS 2100.

Requirements for a Minor in Law and Society

A minor in law and society shall consist of at least five courses from the designated curriculum, including law and society (POS 3691), and either sociology of law (SYP 3540) or economics and the law (ECP 3451), as two of the five courses. The remaining three may be selected from the list of approved courses below.

Requirements for a Major

A primary concentration in law and society is available in the social science interdisciplinary major. It consists of introduction to law and society (POS 3691), either economics and the law (ECP 3451) or sociology of law (SYP 3540), and four other courses from the approved list of courses. To complete the social science major with a concentration in law and society, students shall be required to select two twelve semester hour minors from two social science departments. One of the minors must be in economics, political science, or sociology, and students must select twelve semester hours for the minor from a department's courses included in the law and society curriculum. Students interested in the social science interdisciplinary major should refer to that departmental entry of this *General Bulletin*.

Approved Courses

The following courses have been approved for the law and society program. In addition to the required courses, students shall select courses for the law and society minor and the law and society concentration in the social science major from this list. See the "Interdisciplinary Program in Social Science" chapter of this *General Bulletin* for course prerequisites. Descriptions of the following courses can be found under the individual departments in which they are taught.

Economics

- ECO 4504 Public Sector Economics (3)
- ECO 4554 Economics of State and Local Government (3)
- ECP 3302 Economics of Natural Resources, Energy, and the Environment (3)
- ECP 3403 Business Organization and Market Structure (3)
- ECP 3451 Economics and the Law (3)
- ECP 4413 Government Regulation of Business (3)
- ECP 4613 Urban Economics (3)

Geography

- GEO 4340 Living in a Hazardous Environment (3)

- GEO 4372 Natural Resource Assessment and Analysis (3)

Political Science

- CPO 3123 Comparative Government and Politics: Great Britain (3)
- POS 3122 State Politics (3)
- POS 3691 Law and Society (3)
- POS 4413 The American Presidency (3)
- POS 4424 Legislative Systems (3)
- POS 4606 The Supreme Court in American Politics (3)
- POS 4624 The Supreme Court, Civil Liberties, and Civil Rights (3)
- POT 3502 Politics and Ethics (3)
- POT 4205 American Political Thought I (3)
- POT 4206 American Political Thought II (3)
- PUP 3002 Introduction to Public Policy (3)

Public Administration and Policy

- PAD 4603 Administrative Law (3)

Sociology

- SYD 4700 Race and Minority Group Relations (3)
- SYG 2010 Social Problems (3)
- SYO 3100 Family Problems and Social Change (3)
- SYO 3530 Social Classes and Inequality (3)
- SYO 4300 Sociology of Politics (3)
- SYP 3540 Sociology of Law (3)
- SYP 4570 Deviance and Social Control (3)

Urban and Regional Planning

- URP 4423 Introduction to Environmental Planning and Resource Management (3)

Other Courses

- PHM 3400 Philosophy of Law (3)
- SOP 3751 Psychology and the Law (3)

Students may consult with Dr. Robert E. Crew, Director, Interdisciplinary Program in Social Science, for additional information.

School of LIBRARY AND INFORMATION STUDIES

COLLEGE OF COMMUNICATION AND INFORMATION

Web Page: <http://slis.fsu.edu/>

Interim Director: Kathleen Burnett; **Director of Undergraduate Programs:**

Ebrahim Randeree; **Professors:** G. Burnett, K. Burnett, Gross, C. Jørgensen, McClure, Riccardi; **Associate Professors:** Everhart, Kazmer, Latham, Lustria, Marty, Mon, Stivilia; **Assistant Professors:** C. Hinnant, Ho, Mardis, Oh, Rodriguez-Mori, Urban; **Other Personnel:** Barrager, Doffek, Gibradze, L. Hinnant, P. Jørgensen, Jowett, Koontz, Kotrla, Marks, Randeree, Swaine; **Professors Emeriti:** Aaron, Blazek, DePew, Hart, Robbins, Summers, Wiegand

The School of Library and Information Studies offers a bachelor's degree in Information Technology with a major in Information Technology (IT) and a major in Information, Communication, and Technology (ICT); a master's degree in Library and Information Studies (MLIS) accredited by the American Library Association (ALA); another master's degree in Information Technology (MSIT); a specialist degree; and a Doctor of Philosophy (PhD) degree. Refer to the "College of Communication and Information" chapter of this *General Bulletin* or to the College's Web site at <http://slis.fsu.edu> for more details concerning degree programs and other information. For complete details of graduate degree requirements, plus a description of the College of Communication and Information and its facilities and opportunities, refer to the *Graduate Bulletin*.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in information technology satisfy this requirement by earning a grade of "C-" or higher in CGS 2060 or CGS 2100. Undergraduate majors in information communication and technology satisfy this requirement by earning a grade of "C-" or higher in CGS 2060, CGS 2100, or COM 4470.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. PSY XXXX: Any course in psychology
2. STA X023 or STA X122
3. ECO X013
4. CGS XXXX: Any database course
5. COP XXXX: Any course in computer programming
6. COP XXXX: Any course in object-oriented computer programming
7. MAC XXXX: A pre-calculus or discrete math course
8. PHI XXXX: Any course in general ethics

Technology Requirement

All students in the information technology major are required to provide their own laptop computer and appropriate software. Specific information may be found online at <http://slis.fsu.edu/academics/online/requirements/>.

Requirements for a Major in Information Technology

To major in information technology, a student must complete a minimum of forty-two semester hours in information technology, including the six core courses, six electives and two capstone courses.

Core Courses (eighteen hours required):

- | | |
|-----------------|--|
| LIS 3021 | Technical Communication for the Information Professions (3) |
| LIS 3201 | Research and Data Analysis for Information Professionals (3) |
| LIS 3267 | Information Science (3) |
| LIS 3353 | Technologies for Information Services (3) |

- | | |
|-----------------|--|
| LIS 3706 | Information Systems and Services (3) |
| LIS 3784 | Information Organization and Communication (3) |

Electives (eighteen hours required):

Eighteen hours of IT elective courses chosen in consultation with an adviser. Students may focus their electives on topics such as networking and security, databases and interaction design, health informatics, and Web site design.

Capstone Courses (six hours required):

- | | |
|-----------------|---|
| LIS 4708 | Perspective on Information Technology (3) |
| LIS 4910 | Information Technology Project (3) |

Note: All courses must be completed with a minimum grade of "C-".

Requirements for a Major in Information, Communication and Technology

The major in information, communication and technology is an interdisciplinary program comprised of courses from the School of Communication and the School of Library and Information Studies. A student must complete forty-two semester hours of coursework in the following focus areas:

Program Introduction (nine hours from the following list):

- | | |
|-----------------|---|
| LIS 2780 | Database Concepts (3) |
| LIS 3103 | Information and Society (3) |
| LIS 3353 | Technologies for Information Services (3) |
| MMC 2000 | Introduction to the Mass Media (3) |

Technology Techniques and Research (nine hours from the following list):

- | | |
|-----------------|--|
| ADV 4500 | Advertising Research (3) |
| LIS 3201 | Research and Data Analysis for Information Professionals (3) |
| LIS 3267 | Information Science (3) |
| RTV 3001 | Media Techniques (3) |

Organizational Communication and Culture (nine hours from the following list):

- | | |
|-----------------|---|
| ADV 3352 | Mass Media Law (3) |
| COM 3332 | New Communication Technology and Contemporary Society (3) |
| LIS 3793 | Information Architecture (3) |
| SPC 3210 | Contemporary Human Communication (3) |
| SPC 4710 | Interracial/Intercultural Communication (3) |

Writing, Presentation, and Promotion (nine hours from the following list):

- | | |
|-----------------|--------------------------------------|
| ADV 3008 | Principles of Advertising (3) |
| PUR 3000 | Introduction to Public Relations (3) |

AND

- | | |
|-----------------|---------------------|
| SPC 2608 | Public Speaking (3) |
|-----------------|---------------------|

OR

- | | |
|-----------------|--|
| COM 3110 | Communication for Business and the Professions (3) |
|-----------------|--|

Major Electives (three hours from the following list):

- | | |
|------------------|---|
| COM 4470 | Desktop Multimedia (3) |
| LIS 4277 | Usability and Usefulness of Information Systems (3) |
| LIS 4301 | Electronic Media Production (3) |
| LIS 4366 | Website Development and Administration (3) |
| LIS 4368 | Web Development with PHP (3) |
| LIS 4410 | Societal Implications of the Information Age (3) |
| LIS 4480 | Information Technology Leadership (3) |
| LIS 4940r | Internship in Information Studies (1-6) |
| LIS 4941r | Information Technology Practicum (3) |

Capstone Course:

- | | |
|-----------------|------------------------------------|
| LIS 4910 | Information Technology Project (3) |
|-----------------|------------------------------------|

A specific listing of courses and requirements is available at <http://www.academic-guide.fsu.edu/>.

Note: All courses must be completed with a minimum grade of "C-".

Requirements for a Minor in Information Technology

The School of Library and Information Studies offers a minor in information technology on a space available basis. The minor consists of twelve semester hours in information technology courses. To minor in information technology, a student must complete both LIS 2780 and LIS 3353, and any two of the following courses: LIS 3021, LIS 3201, LIS 3267, LIS 4410 or LIS 4480.

Only coursework with a grade of "C-" or above in these courses will count toward the minor. At least six hours of the minor must be taken with the School of Library and Information Studies at the Florida State University. Courses taken at another institution must be evaluated by the School of Library and Information Studies to determine equivalency. Courses taken to meet the minor are not applicable to any other requirement.

Harold Goldstein Library

The Harold Goldstein Library features a collection of approximately 65,000 books, videos, and CDs. The collection includes materials for library science, information technology, and juvenile literature including graphic novels. The library subscribes to more than 400 serials and journals which are included in the aggregated online catalog comprising the six libraries on the FSU campus and available to all FSU users. For more information, visit <http://goldstein.cci.fsu.edu/>.

Definition of Prefix

CGS—Computer General Studies

COP—Computer Programming

IDC—Interdisciplinary Computing

LIS—Library and Information Studies

Undergraduate Courses

CGS 2835. Interdisciplinary Web Development (3). Prerequisite: Computer fluency. This interdisciplinary course provides basic training in project management, communication, information architecture, interface design, graphic design, Web technologies, content editing, and subject-area expertise, thus empowering students across disciplines to effectively communicate their subject-area expertise through today's most popular publishing medium, the Web.

COP 2258. Problems Solving with Object-Oriented Programming (3). Prerequisite: Computer fluency. This interdisciplinary course is designed for students who are not necessarily intent on becoming computer programmers, but are interested in understanding the principles that govern object-oriented programming and software development in order to assist with problem solving in their own disciplines.

IDC 2930r. Special Topics in Interdisciplinary Computing - Beginning Level (1-4). This course covers current issues and topics in interdisciplinary computing that are not discussed in other courses. Topics vary. May be repeated within the same term, to a maximum of nine semester hours.

IDC 3931r. Special Topics in Interdisciplinary Computing - Intermediate Level (1-4). This course covers current issues and topics in interdisciplinary computing that are not discussed in other courses. Topics vary. May be repeated within the same term, to a maximum of nine semester hours.

LIS 2780. Database Concepts (3). This course examines relational database management systems using a typical commercial DBMS, such as Microsoft Access. Topics include data modeling, database design, implementation, forms and reports, and remote access to databases.

LIS 3021. Technical Communication for the Information Professions (3). This course covers technical and professional documents generated and used by information professionals. Emphasis is on the writing process, more specifically on audience analysis, document design, collaboration, and peer editing.

LIS 3103. Information and Society (3). This course examines major issues related to living in the "information society," including information literacy, information security, identity theft, privacy, intellectual property, and information ethics. Students gain skills in searching the Web, electronic databases, and print resources. The three broad areas covered by the course are personal information management, academic information, and career/professional information.

LIS 3201. Research and Data Analysis for Information Professionals (3). This course provides students with an understanding of methods used by information professionals for research and data analysis. It focuses on both quantitative and qualitative methods, including ethnographic observations, surveys, interviews, questionnaires, focus groups, and transaction log analysis. It provides students with the opportunity to conceptualize a research problem, develop a research plan, and design methods for assessing, collecting, analyzing, and reporting research data.

LIS 3267. Information Science (3). This course presents the history, philosophical bases, concepts, theories, and methodologies of information science. It also emphasizes the definitions and properties of information, formal and informal information systems, information origination, transfer, classification, formatting, and use.

LIS 3353. Technologies for Information Services (3). This course, beginning beyond the computer literacy level, develops an appreciation for the application of computer hardware, software, and information systems for the provision of information services. Highlights features and offers up-to-date coverage of technical developments with examples of real-world software applications and the principles by which computer systems and their networks support information seekers.

LIS 3946r. Field Study in Information Studies (1-6). Prerequisite: Adviser permission. This course provides students with an unpaid work experience within a major area of information studies. May be repeated to a maximum of six semester hours.

Advanced Undergraduate Courses

LIS 3706. Information Systems and Services (3). Prerequisites: LIS 3267 and LIS 3353. This course provides practical hands-on experience implementing the concepts and practices of structuring information in digital information systems. This includes digital representation of a variety of forms of information, the storage and retrieval of this information, indexing structures, and searching algorithms.

LIS 3781. Advanced Database Management (3). Prerequisite: LIS 2780. This course explores various topics in database management systems (DBMS) using a typical commercial DBMS, such as Oracle or MySQL. Topics include security, stored procedures, and triggers.

LIS 3784. Information Organization and Communication (3). Prerequisites: LIS 3267 and LIS 3353. This course teaches the concepts and practices of structuring information for use in activities inherent to data- and information-based technology design. Topics include the surrogation and aggregation of information entities and the role of models in representing information appropriately.

LIS 3793. Information Architecture (3). Prerequisites: LIS 3267 and LIS 3353. This course provides an introduction to the scope and methods of information architecture in any setting, but emphasizes its application to the Web. The course examines the elements of an information architecture and some common technologies needed to design and create these elements.

LIS 4264. Systems Approach in the Information Environment (3). This course offers an introduction to the systems approach for problem solving in an information seeker's environment. The theories and concepts of information science are integrated with a variety of practical tools for the structured design and analysis of information systems.

LIS 4276. Quantitative Methods in Information Studies (3). Prerequisites: LIS 3201 and senior standing or instructor permission. This course presents practical methods for collecting and analyzing quantitative data. Topics include hypothesis testing, analysis of variance, contingency tables, correlation, and experimental design.

LIS 4277. Usability and Usefulness of Information Systems (3). Prerequisites: LIS 3201 and LIS 4276. This course introduces students to the concepts of cognitive and human information processing, their application to information systems design, and the assessment of the usability and usefulness of information systems.

LIS 4301. Electronic Media Production (3). Prerequisite: LIS 3353. This course offers the understanding, skills, and techniques needed for the production and utilization of various types of electronic graphic resources. Emphasis is on visual literacy, the evaluation of graphic resources, design standards, and the visual representation of information. Students evaluate existing materials and design and produce materials for both electronic and print formats, including pages for the World Wide Web, slide shows for visual support of verbal presentations, and documents produced with desktop publishing software.

LIS 4351. Interface Design (3). Prerequisite: LIS 3353. This course offers an introduction to the basic theory of computer interface design for information specialists and the fundamental concepts and techniques of computer programming.

LIS 4365. Advanced Web Applications (3). Prerequisite: LIS 4301. This course introduces the concepts and technical needs of client and server side application technologies for World Wide Web (WWW) information servers and teaches students how to evaluate the effectiveness of WWW applications. The course acquaints students with resources available for design, production, and evaluation of WWW information servers and assists students in developing strategies for locating these sources. Students gain hands-on experience in Web application production, including: PERL/CGI, JavaScript, server authentication techniques, synchronized multimedia, and hypertext authoring.

LIS 4366. Web Site Development and Administration (3). Prerequisite: LIS 4301. This course covers issues and techniques related to the planning, production, and management of large World Wide Web sites, including information on organization and design, hardware and software, and cutting-edge development tools. Special emphasis is placed on information provision and the role of Web developers as providers and managers of information resources.

LIS 4368. Web Development with PHP (3). Prerequisite: LIS 2780 and CGS 3406 or other object-oriented programming course. This course provides a foundation in developing Web applications with an emphasis on the PHP programming environment. Topics include basic PHP, basic Web application programming, advanced object-oriented PHP, and Web application development.

LIS 4381. Mobile Application Development and Management (3). This course focuses on concepts and best practices for managing mobile technology projects. It covers processes and requirements for developing mobile applications and principles for effective interface and user experience design. Students develop a prototype of a mobile app and prepare a proposal and other documentation for communicating contractual and functional specifications to clients. Students also examine different issues and concerns that may influence the wide-spread adoption and implementation of mobile applications. Tools and techniques learned in this course are relevant to careers in software engineering, publishing, marketing and advertising, entertainment, education, sales consulting, and business management.

LIS 4410. Societal Implications of the Information Age (3). This course offers an introduction to the evolving role of information in the "Information Age." The course emphasizes information services in society and contemporary information resources that fulfill society's information needs, and also considers the nature of electronic sources of information as well as other information formats and sources.

LIS 4480. Information Technology Leadership (3). This course focuses on leadership, group communication, project planning, strategy, and individual development, with a focus on Information Technology and its uses. Students participating in this class actively design, implement, and coordinate numerous ongoing projects that build a strong team atmosphere and allow students to gain valuable leadership, communication, and organizational skills within the context of contemporary IT organizations. May be repeated to a maximum of six semester hours; duplicate registration not allowed.

LIS 4481. Managing Information Resources and Services (3). Prerequisites: Three of the following: LIS 3201, LIS 3267, LIS 3353, LIS 4276 and LIS 4351. This course offers an introduction to management science and administrative issues as applied to information resources management (IRM), information centers, and information services. Emphasis is placed upon management functions, concepts, and principles. Topics cover IRM definitions and issues, IRM implementation and strategies, as well as life-cycle management and career opportunities.

LIS 4482. Managing Networks and Telecommunications (3). Prerequisite: LIS 3353. This course provides a foundation in the use of networks and telecommunication to provide information. Focus is on modern data networks, especially building blocks of local area networks (LANs). The course deals with concepts, technical requirements, and a variety of management issues.

LIS 4488. Network Administration for the Information Professional (3). Prerequisites: LIS 3353 and LIS 4482. This course provides the information and skills necessary to perform competently in the role of network administrator or network system manager within a library and/or information center environment. The course introduces students to the design, operation, and management of networked systems from local area networks to the Internet. Topics cover communication concepts and technical and application issues, with a focus on managing a network.

LIS 4642. Electronic Information Sources and Services (3). This course offers an introduction to the processes of electronic information retrieval including some theoretical principles, laboratory experiences, and selected current research issues.

LIS 4701. Information Representation (3). Prerequisite: LIS 3267. This course addresses the principles and techniques of organizing non-bibliographic information sources including unpublished and transitory materials such as archival and manuscript collections, business/office records, ephemera, and local databases. The course focuses on locally produced resources created for a narrowly defined, specific, and possibly restricted information user group.

LIS 4708. Perspectives on Information Technology (3). Corequisite: LIS 4910 or instructor permission. This is the capstone course in the Information Technology degree program. The course provides students with a broad perspective on the information technology field, the skills required to succeed in the field, and a familiarity with emerging technologies. It also allows students to complete their information technology portfolio. The course consists of discussions of issues in the information technology profession, emerging technologies, and directed work on the student's degree portfolio.

LIS 4770. Information and Image Management (3). This course describes the scope and the problems involved in the administrative management of records. Emphasis centers is placed on the importance of managing and controlling records from the time of their creation until their vital deposition.

LIS 4774. Information Security (3). This course offers an introduction to the concepts, policies, and issues associated with digital computer and network security and the skills necessary to assess and improve the security of servers, desktop systems, and digital networks.

LIS 4776. Advanced Health Informatics (3). Prerequisite: LIS 4785. This course builds and extends the foundations presented in LIS 4785, while introducing practical solutions for the health IT professional. Students apply IT knowledge to address real-life problems in the medical community. The course provides students with a solid practical set of skills to enter the health industry.

LIS 4785. Introduction to Health Informatics (3). This course presents how theory and practice in health care, strategy, information technology, communications, and law are integrated in the management and delivery of health care in various situations. Focus is on the emerging specialization in the health-care industry that combines expertise in health care, information technology, and information management.

LIS 4905r. Directed Individual Study (1-3). (S/U grade only.) This course consists of guided studies for individual professional and subject needs. May be repeated to a maximum of six semester hours.

LIS 4910. Information Technology Project (3). Prerequisite: Senior standing or instructor permission. This course consists of students working in teams and individually to manage, design, implement, and evaluate an information technology project. Students are also given evaluation and guidance on improving artifacts from projects entered into their degree portfolio during other courses within the degree program.

LIS 4930r. Special Topics in Information Studies (3). Prerequisites: Three of the following: LIS 3201, LIS 3267, LIS 3353, LIS 4276, and LIS 4351. This course is a directed and supervised investigation of selected problems, issues, and trends in information studies, with an emphasis on research. Each offering is anticipated to be different, given the evolving nature of the subject matter. May be repeated to a maximum of six semester hours.

LIS 4938. Seminar in Information Studies (3). Prerequisites: Senior standing and three of the following: LIS 3232, LIS 3267, LIS 3342, LIS 4276, and LIS 4351. This seminar involves intensive reading and preparation of position papers concerning current issues in information studies, followed by discussions of these papers with faculty and information specialists.

LIS 4940r. Internship in Information Studies (1-6). (S/U grade only.) Prerequisites: LIS 3201, LIS 3353, and adviser permission. This paid or unpaid internship offers work experience in the information industry that expands and integrates classroom work. May be repeated for a maximum of six semester hours.

LIS 4941r. Information Technology Practicum (3). This practicum is designed to provide the student with exposure to hands-on technical problem solving in a variety of settings. Students learn through practical experience to identify common technical problems experienced by end users; assess the scope and severity of user issues; and to develop, communicate, and implement strategies for successful problem resolution. May be repeated to a maximum of six semester hours. Duplicate registration not allowed.

LIS 4970r. Honors Work in Information Studies (1-6). Prerequisites: Admission to the honors program and information-technology major status. This course provides an opportunity for students to engage in independent and original research in a specialized area beyond the current curriculum in information technology. May be repeated to a maximum of nine semester hours. To graduate with honors in information studies, the student must complete six semester hours of coursework with at least a "B-" or better and an overall 3.2 GPA or higher.

Graduate Courses

- IDC 5015.** Teaching Interdisciplinary Computing (2-3).
LIS 5008. Advanced Online Searching (3).
LIS 5020. Foundations of the Information Professions (3).
LIS 5025. Educational Concepts and Strategies for School Librarians (3).
LIS 5105. Communities of Practice (3).
LIS 5112. History of Reading in Everyday Life (3).
LIS 5113. History of American Librarianship (3).
LIS 5203. Assessing Information Needs (3).
LIS 5241. International and Comparative Information Service (3).
LIS 5260. Information Science (3).
LIS 5263. Theory of Information Retrieval (3).
LIS 5270. Evaluating Networked Information Services and Systems (3).
LIS 5271. Research in Information Studies (3).
LIS 5273. Practical Library and Information Science Exploration (3).
LIS 5275. Usability Analysis (3).
LIS 5313. Digital Media: Concepts and Production (3).
LIS 5316. Information Graphics (3).
LIS 5362. Design and Production of Networked Multimedia (3).
LIS 5364. Web Site Development and Administration (3).
LIS 5367. Advanced Web Applications (3).
LIS 5385. Social Media Management (3).
LIS 5403. Human Resource Management for Information Professionals (3).
LIS 5405. Leadership in Technology (3).
LIS 5408. Management of Information Organizations (3).
LIS 5411. Introduction to Information Policy (3).
LIS 5413. Seminar in Information Policy (3).
LIS 5416. Introduction to Legal Informatics (3).
LIS 5417. Introduction to Legal Resources (3).
LIS 5418. Introduction to Health Informatics (3).
LIS 5419. Consumer Health Informatics (3).
LIS 5426. Grant Writing, Evaluation, and Administration (3).
LIS 5441. Leadership in Reading (3).
LIS 5442. Information Leadership (3).
LIS 5472. Digital Libraries (3).
LIS 5474. Business Information Needs and Sources (3).
LIS 5484. Introduction to Data Networks for Information Professionals (3).
LIS 5485. Introduction to Information Technologies (3).
LIS 5487. Information Systems Management (3).
LIS 5489. Network Administration (3).
LIS 5511. Management of Information Collections (3).
LIS 5512. School Collection Development and Management (3).
LIS 5513. Preservation of Information Materials (3).
LIS 5524. Instructional Role of the Informational Specialist (3).
LIS 5528. Storytelling for Information Professionals (3).
LIS 5564. Information Needs of Children (3).
LIS 5565. Information Needs of Young Adults (3).
LIS 5566. Multicultural Literature and Information Resources for Children and Young Adults (3).
LIS 5567. International Literature for Children and Young Adults (3).
LIS 5576. Information Needs of Adults (3).
LIS 5577. Graphic Novels in Libraries (3).
LIS 5590. Museum Informatics (3).
LIS 5602. Marketing of Library and Information Services (3).
LIS 5603. Introduction to Information Services (3).
LIS 5631. Health Information Sources (3).
LIS 5661. Government Information (3).
LIS 5703. Information Organization (3).
LIS 5711. Cataloging and Classification (3).
LIS 5736. Indexing and Abstracting (3).
LIS 5737. Subject Analysis (3).
LIS 5771. Information and Image Management (3).
LIS 5775. Information Security (3).
LIS 5782. Database Management Systems (3).
LIS 5786. Introduction to Information Architecture (3).
LIS 5787. Fundamentals of Metadata Theory and Practice (3).
LIS 5788. Management of Health Information Technology (3).
LIS 5900r. Directed Individual Study (1-3). (S/U grade only.)
LIS 5916r. Issues in Information Studies (1-3).

- LIS 5945r. Internship (0-12). (S/U grade only.)
 LIS 5971r. Thesis (2-6). (S/U grade only.)
 LIS 6024. Seminar in the Historical Foundations of Library and Information Science (3).
 LIS 6205. Issues in Information Behavior (3).
 LIS 6269. Seminar in Information Science (3).
 LIS 6278. Issues in Theory Development (3-5).
 LIS 6279r. Research in Information Studies (3).
 LIS 6289. Seminar in Education for Information Studies (3).
 LIS 6662. Seminar in Information Policy (3).
 LIS 6759. Seminar in Intellectual Access (3).
 LIS 6909r. Directed Individual Study (1-8). (S/U grade only.)
 LIS 6911r. Research Collaboration (1-5). (S/U grade only.)
 LIS 6919r. Issues in Information Studies (1-5).
 LIS 6936r. Proseminar in LIS Research and Teaching (1-3).
 LIS 6980r. Dissertation (1-12). (S/U grade only.)
 LIS 8964r. Doctoral Preliminary Examination (0). (P/F grade only.)
 LIS 8966r. Master's Comprehensive Examination (0). (P/F grade only.)
 LIS 8976r. Master's Thesis Defense (0). (P/F grade only.)
 LIS 8985r. Dissertation Defense Examination (0). (P/F grade only.)

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

INSTITUTIONAL RESEARCH:
 see Educational Leadership and Policy Studies

INSTRUCTIONAL SYSTEMS:
 see Educational Psychology and Learning Systems

Interdepartmental Minor in LINGUISTICS

Curriculum Committee: Carolina Gonzalez, Michael Leaser, Lara Reglero, and Gretchen Sunderman (Modern Languages and Linguistics)

Web Page: <http://www.academic-guide.fsu.edu/minors.html#linguistics>

Linguistics is concerned with the study of the nature of language. There are linguistic applications in the areas of anthropology, sociology, psychology, mathematics, computer sciences, philosophy, and audiology and speech pathology.

Undergraduate and graduate students who wish to minor in linguistics should choose a minor adviser from the members of the linguistics curriculum committee (listed above) to help them in designing courses of study that fill their personal and professional needs.

Requirements for a Minor in Linguistics

Undergraduate

Undergraduate students in linguistics must take at least twelve semester hours from the linguistics courses listed below; two of these must be core courses.

Core Courses

LIN 3041, LIN 4030, LIN 4040, 4512, LIN 4905

Other Courses

ANT 4640, LIN 3710, LIN 4930, LIN 5772, EXP 4640, PHI 3220

Note: Additional courses may count with approval of the departmental curriculum committee.

Graduate

Graduate students in linguistics must take at least fifteen semester hours from the linguistics courses listed below; two of these must be core courses.

Core Courses

LIN 5035, LIN 5045, LIN 5510

Other Courses

LIN 5772, LIN 5908r, LIN 5932, SPN 5805

Note: Additional courses may count with approval of the departmental curriculum committee.

LINGUISTICS:
 see also Modern Languages and Linguistics; Anthropology;
 Communication Disorders; English; and Psychology

Department of MANAGEMENT

COLLEGE OF BUSINESS

Web Page: <http://cob.fsu.edu/man/>

Chair: Ceasar Douglas; **Professors:** Ferris, J. Fiorito, S. Fiorito, Hochwarter, Lamont, Paradice, Perrewé, Stepina; **Associate Professors:** Armstrong, Bush, Douglas, Matherly, Van Iddekinge; **Assistant Professors:** Holcomb, Holmes, Junglas, Maslach, Tang; **Research Associates in Management:** Blass, Dever, O'Connor, Simmons, Trammel; **Associate in Management:** Diez-Arguelles; **Assistants in Management:** Decker, Frazier, Garner, Kinney; **Visiting Assistants in Management:** Jones, Newton; **Frances Eppes Professor of Management:** Ferris; **Haywood and Betty Taylor Eminent Scholar in Business Administration:** Perrewé; **J. Frank Dame Professor of Management:** J. Fiorito; **Thomas L. Williams Jr. Eminent Scholar:** Lamont; **Jim Moran Professor of Entrepreneurship:** Holcomb; **Jim Moran Professors of Business Administration:** Douglas, Hochwarter; **Sprint Professor of Management Information Systems:** Paradice; **Professors Emeriti:** Anthony, Martinko

The management curricula provide students with an understanding of the nature of managerial work, including both the art and the science of managing. The curricula emphasize the management of human resources, as well as strategic planning, managerial problem solving, and decision making. Within the management degree program, students choose to major in general management or human resource management consistent with their specific interests. The overall objective of these curricula is to prepare students for entry-level positions in small and large organizations, leading to line or staff management careers in either the public or private sector. Many graduates enter jobs as managerial associates, sales associates, or human resource professionals.

The Department of Management also administers the degree programs in management information systems (MIS). The purpose of the management information systems program is to provide the student with a broad understanding of the role and use of managerial technology in the various functional areas of modern organizations. The overall intent is to prepare the student for entry-level positions in medium- and large-size organizations leading to high-level technical or managerial careers in both the public and private sectors. The program Web site is accessible at <http://www.cob.fsu.edu/Academic-Programs/Undergraduate-Programs/Undergraduate-Degrees/Management-Information-Systems>.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in general management, human resources management, and management information systems satisfy this requirement by earning a grade of "C-" or higher in CGS 2100 (state mandated business prerequisite requirement) or CGS 2518.

Required Risk in Business and Society Course

All undergraduates at Florida State University intending to enter a business major must complete RMI 2302, Risk in Business and Society, with a "C-" or better by the end of their sophomore year. Transfer students will be required to complete this course in their first semester at FSU.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.ftvc.org/ftvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree programs for management and management information systems:

1. ACG X021 or ACG X022, or ACG X001 and ACG X011
2. ACG X071 or ACG X301
3. CGS X100 (or demonstrated competency) or CGS X100C or CGS X530 or CGS X570 or CGS X060 or CGS X531 or CGS X000 or ISM X000 or CGS X518

4. ECO X013
5. ECO X023
6. MAC X233 or MAC X230
7. STA X023 or STA X122 or QMB X100

Requirements for a Major in Management

All students must complete:

1. The University-wide baccalaureate degree requirements summarized in the "Undergraduate Degree Requirements" chapter of this *General Bulletin*
2. The state of Florida common prerequisites for general management majors
3. At least sixty semester hours of courses in non-business disciplines
4. The general business core requirements for general management majors
5. The general business breadth requirements for general management majors
6. The major area requirements for general management majors

Note: To be eligible to pursue a general management major, students must meet the admission requirements for the AACSB accredited business programs in the College of Business. These admission requirements are described in the "College of Business" chapter of this *General Bulletin*.

General Business Core Requirements

All management majors must complete the following five courses. A grade of "C-" or better must be earned in each course.

BUL 3310	The Legal and Ethical Environment of Business (3)
FIN 3403	Financial Management of the Firm (3)
GEB 3213	Business Communications (3)
MAN 3240	Organizational Behavior (3)
MAR 3023	Basic Marketing Concepts (3)

General Business Breadth Requirements

All management majors must complete three courses as follows. Each course selected must be completed with a grade of "C-" or better.

MAN 4720	Strategic Management and Business Policy (3)
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Plus two electives from the following list of courses:

FIN 3244	Financial Markets, Institutions, and International Finance Systems (3)
HFT 3240	Managing Service Organizations (3)
ISM 3003	Foundations of Management Information Systems (3)
MAN 3600	Multinational Business Operations (3)
MAR 3400	Professional Selling (3)
QMB 3200	Quantitative Methods for Business Decisions (3)
REE 3043	Real Estate (3)
RMI 3011	Risk Management/Insurance (3)

Major Area Requirements

All management majors must complete six courses as listed below. A grade of "C-" or better must be earned in each course used to satisfy the general management major area requirements.

MAN 4301	Human Resource Management (3)
MAN 4701	Business and Society (3)
MAN 4752	Competitive Dynamics (3)

Plus three electives from the following list of courses:

MAN 4143	Contemporary Leadership Challenges (3)
MAN 4401	Management of Labor and Industrial Relations (3)
MAN 4441	Negotiation and Conflict Management (3)
MAN 4605	Cross Cultural Management (3)
MAN 4930r	Special Studies in Business (3)
MAN 4941	Field Study in Management (3)

Requirements for a Major in Human Resource Management

All students must complete:

1. The University-wide baccalaureate degree requirements summarized in the "Undergraduate Degree Requirements" chapter of this *General Bulletin*
2. The state of Florida common prerequisites for human resource management majors
3. At least sixty semester hours of courses in non-business disciplines;

4. The general business core requirements for human resource management majors
5. The general business breadth requirements for human resource management majors; and
6. The major area requirements for human resource management majors.

Note: To be eligible to pursue a human resource management major, students must meet the admission requirements for the AACSB accredited business programs in the College of Business. These admission requirements are described in the “College of Business” chapter of this *General Bulletin*.

General Business Core Requirements

All human resource management majors must complete the following five courses. A grade of “C–” or better must be earned in each course.

BUL 3310	The Legal and Ethical Environment of Business (3)
FIN 3403	Financial Management of the Firm (3)
GEB 3213	Business Communications (3)
MAN 3240	Organizational Behavior (3)
MAR 3023	Basic Marketing Concepts (3)

General Business Breadth Requirements

All human resource management majors must complete three courses as follows. Each course selected must be completed with a grade of “C–” or better.

MAN 4720	Strategic Management and Business Policy (3)
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Plus two electives from the following list of courses:

FIN 3244	Financial Markets, Institutions, and International Finance Systems (3)
HFT 3240	Managing Service Organizations (3)
ISM 3003	Foundations of Management Information Systems (3)
MAN 3600	Multinational Business Operations (3)
MAR 3400	Professional Selling (3)
QMB 3200	Quantitative Methods for Business Decisions (3)
REE 3043	Real Estate (3)
RMI 3011	Risk Management/Insurance (3)

Major Area Requirements

All human resource management majors must complete five courses as listed below. A grade of “C–” or better must be earned in each course used to satisfy the human resource management major area requirements.

MAN 4301	Human Resource Management (3)
MAN 4320	Staffing (3)
MAN 4390	Current Issues in Human Resource Management (3)

Plus two electives from the following list of courses:

MAN 4350	Training and Development (3)
MAN 4401	Management of Labor and Industrial Relations (3)
MAN 4441	Negotiation and Conflict Management (3)
MAN 4605	Cross Cultural Management (3)
MAN 4941	Field Study in Management (3)
RMI 4135	Employee Benefit Plans (3)

Requirements for a Major in Management Information Systems

All students must complete: (1) the University-wide baccalaureate degree requirements summarized in the “Undergraduate Degree Requirements” chapter of this *General Bulletin*; (2) the state of Florida common prerequisites for management information systems majors; (3) at least sixty semester hours of courses in non-business disciplines; (4) the general business core requirements for management information systems majors; (5) the general business breadth requirements for management information systems majors; and (6) the major area requirements for management information systems majors.

Note: To be eligible to pursue a management information systems major, students must meet the admission requirements for the AACSB accredited business programs in the College of Business. These admission requirements are described in the “College of Business” chapter of this *General Bulletin*.

General Business Core Requirements

All management information systems majors must complete the following five courses. A grade of “C–” or better must be earned in each course.

BUL 3310	The Legal Environment of Business (3)
FIN 3403	Financial Management of the Firm (3)
GEB 3213	Business Communications (3)

MAN 3240	Organizational Behavior (3)
MAR 3023	Basic Marketing Concepts (3)

General Business Breadth Requirements

All management information systems majors must complete three courses as follows. Each course selected must be completed with a grade of “C–” or better.

MAN 4720	Strategic Management and Business Policy (3)
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Plus two electives from the following list of courses:

FIN 3244	Financial Markets, Institutions, and International Finance Systems (3)
HFT 3240	Managing Service Organizations (3)
ISM 3003	Foundations of Management Information Systems (3)
MAN 3600	Multinational Business Operations (3)
MAR 3400	Professional Selling (3)
QMB 3200	Quantitative Methods for Business Decisions (3)
REE 3043	Real Estate (3)
RMI 3011	Risk Management/Insurance (3)

Major Area Requirements

All management information systems (MIS) majors must complete six courses as listed below. Due to the dynamic nature of the MIS field, all students should verify the current MIS major requirements with the MIS undergraduate adviser upon entry to the major. A grade of “C–” or better must be earned in each course used to satisfy the MIS major area requirements. In all cases, prerequisites to courses must be completed with a grade of “C–” or better before subsequent courses may be entered.

ISM 4113	Management Information Systems Analysis and Design (3)
ISM 4212	Information for Operating Control and Data Management (3)
ISM 4220	Information and Communications Systems Management (3)

Plus three electives from the following list of courses including at least one programming course indicated with an asterisk below:

*CGS 3406	Object-Oriented Programming in C++ (3)
*CGS 3416	Java Programming for Non-Specialists (3)
*COP 3014	Programming I (3)
*COP 3223	Introduction to Programming with the C Language (3)
*COP 4125	Advanced Application Development (3)
ISM 4117	Decision Support and Expert Systems Management (3)
ISM 4300	Technology Management (3)
ISM 4314	Project Management (3)
ISM 4482	Mobile Technology (3)
ISM 4930r	Special Topics in MIS (3)

Definition of Prefixes

COP—Computer Programming

GEB—General Business

ISM—Information Systems Management

MAN—Management

Undergraduate Courses

COP 4125. Advanced Application Development (3). Prerequisite: CGS 2100. This course presents advanced application development methodology, technology, and tools. Students work on teams in the applied study of complex systems development problems and cases.

GEB 1030. Introduction to Careers in Business (3). (S/U grade only.) This course is designed for freshman and sophomore students who intend to major in business. Career options in various business disciplines are described. Appropriate personal characteristics and skills required for a successful business career are discussed.

GEB 3213. Business Communications (3). Prerequisite: Upper-division business major. This course is designed to help business students develop the writing, verbal, and interpersonal skills that are necessary for a successful business career.

GEB 4941r. Business Internship (0–6). (S/U grade only.) Prerequisite: Instructor permission. This business internship is designed for College of Business students who desire to gain real-world experience in the accounting field through on-the-job practice. Students work under the direction of an approved industry professional, a faculty advisor, and the internship director. May be repeated to a maximum of six semester hours.

ISM 3003. Foundations of Management Information Systems (3). Prerequisite: CGS 2100. This course is an overview of the MIS profession and the role of MIS in organizations. Topics include the introduction to fundamental techniques and methods used in the analysis of business processes for which computer-based information systems are designed and managed.

ISM 3011. Introduction to Management Information Systems (3). Prerequisite: CGS 2100. This course is an introduction to management information systems concepts, with emphasis on describing information requirements, managing information resources, and applying information processing technology to business and management.

ISM 4113. Management Information Systems Analysis and Design (3). This course is an in-depth treatment of the theory and practice of management information systems including information requirements analysis, design methodology, and system implementation considerations. For MIS majors only.

ISM 4117. Decision Support and Expert Systems Management (3). Prerequisite: ISM 4212. This course examines the design, development, implementation, and management of decision support and expert systems; includes concepts of data management, modeling decision support systems, and decision making. For MIS majors only.

ISM 4212. Information for Operating Control and Data Management (3). Prerequisite: ISM 4113. This course covers the theory, techniques, and applications of information management and control including organizations as information-processing systems and executive support systems. For MIS majors only.

ISM 4220. Information and Communications Systems Management (3). Prerequisite: ISM 4113. This course is an introduction to the design, operation, and management of telecommunication systems including electronic data interchange, office support, trans-border information flow, and management support for networking. For MIS majors only.

ISM 4300. Technology Management (3). Prerequisite: ISM 4212. This course focuses on the strategy and theory of the creation, development, introduction, management, and marketing of new technologies and services. Management of the appropriate technological environment of an organization is emphasized. Concepts and approaches to e-commerce and e-business.

ISM 4314. Project Management (3). Prerequisite: ISM 4113. This course covers the fundamental knowledge areas related to successful project management. Topics include project selection and initiation, work breakdown structure and scope management, scheduling, budgeting and cost analysis, quality control, project communication plans, project risk analysis, resource leveling, and procurement issues.

ISM 4482. Mobile Technology Management (3). This course explores factors related to the management of the design, implementation, and installation of applications on mobile devices. Topics cover issues related to platform size (such as memory, power, screen brightness, and sound capability), implications of connectivity and security problems for management, as well as business opportunities that become available through the use of mobile technology.

ISM 4905r. Directed Individual Study (1-3). May be repeated to twelve semester hours.

ISM 4930r. Special Topics in Management Information Systems (1-3). This course provides an opportunity to study current issues in management information systems and topics not covered in other courses. May be repeated to a maximum of nine semester hours as content varies. Prerequisites will vary depending on the topic of the course; refer to department for details.

ISM 4941. Field Study in Management Information Systems (1-3). (S/U grade only.) Prerequisite: Instructor permission. This course provides students with learning opportunities in organizational management information systems available in existing MIS courses. No more than three hours credit allowed in a semester. May be repeated to a maximum of six semester hours.

ISM 4970r. Honors Thesis (1-6). Prerequisite: Admission to the honors program. May be repeated to a maximum of nine semester hours. Six semester hours of thesis are required to complete honors in the major.

MAN 3025. Concepts of Management (3). This course introduces the nature and process of management, with emphasis upon management of physical and human resources. (Credit not allowed for business majors.)

MAN 3240. Organizational Behavior (3). This course covers behavioral concepts, techniques, and applications for managing human resources in all types of organizations.

MAN 3949r. Cooperative Education Work Experience (0). (S/U grade only.) Prerequisite: Instructor permission. This non-credit, experiential learning course offers students an opportunity to gain "real world" on-the-job work experience related to a specific academic field of study. Students must register for this course through the FSU Career Center. May be repeated.

MAN 4143. Contemporary Leadership Challenges (3). Prerequisite: MAN 3240. This course provides broad exposure to the theories and practice of effective leadership and supervision in today's business and explores contemporary leadership challenges from a practical point of view, with opportunities to develop and practice effective leadership skills.

MAN 4201. Organizational Analysis and Change (3). Prerequisite: MAN 3240. This course covers the analysis of concepts and processes for effecting change in organizations.

MAN 4301. Human Resource Management (3). Prerequisite: MAN 3240. This course is a survey of the human resource management function in organizations. Topics include: selection, recruiting, training, compensation, and performance appraisal.

MAN 4320. Staffing (3). Prerequisites: MAN 3240 and MAN 4301. This course is a study of the design and operation of systems for employee recruitment and selection, including current practice and issues.

MAN 4330. Compensation (3). Prerequisites: MAN 3240 and MAN 4301. This course is a study of the methods and implications of making wage and salary decisions for recruiting and retaining employees.

MAN 4350. Training and Development (3). Prerequisites: MAN 3240 and MAN 4301. This course is a study of the various forms of training and development and their implementation both on and off the job.

MAN 4390. Current Issues in Human Resource Management (3). Prerequisites: MAN 3240 and MAN 4301. This course is a seminar that probes current topics in human resource management in depth. Emphasis is on the impact of recent legal and societal developments on human resource management practice.

MAN 4401. Management of Labor and Industrial Relations (3). Corequisite: MAN 3240. This course covers a managerial perspective of labor and manpower concepts and issues in industrial and postindustrial society and work organizations.

MAN 4441. Negotiation and Conflict Management (3). Prerequisite: MAN 3240. This course focuses on negotiation and conflict management in business and other organizational settings. The emphasis is on gaining an understanding of the negotiation process and strategies and developing effective negotiation and conflict management skills.

MAN 4605. Cross-Cultural Management (3). Prerequisite: MAN 3240. This course studies the unique issues of managing in non-native culture. Discusses management situations where members of more than one cultural group are included, along with strategies for maximum effectiveness in such situations.

MAN 4631. International Strategic Management (3). Prerequisites: ECO 2013, ECO 2023, and MAN 3600. This course focuses on the international dimensions of strategic management, including environmental and political issues affecting global competition. Special emphasis is given to the multinational enterprise and strategic options available for effective worldwide competitive advantage.

MAN 4680r. Explorations in International Management (3). Prerequisites: ECO 2013, ECO 2023, and MAN 3600. This course covers selected topics in international management which vary depending upon the instructor for the course. Topics such as cultural influences on management, international personnel management, and other related management topics are discussed. May be repeated to a maximum of six semester hours.

MAN 4701. Business and Society (3). Prerequisite: MAN 3240. This course is an examination of current and future issues in business and society with emphasis on the social responsibility of business and future challenges for business in a pluralistic society.

MAN 4720. Strategic Management and Business Policy (3). Prerequisites: FIN 3403, MAN 3240, and MAR 3023. This course is a case analysis of business and management problems for the formulation of managerial strategies and policies.

MAN 4752. Competitive Dynamics (3). Prerequisite: MAN 4720. This course applies the tools and concepts acquired in other business and management courses in a hands-on business simulation of competitive dynamics with an eye toward contemporary, emerging competitive issues confronting business senior executives and owners.

MAN 4905r. Directed Individual Study (1-3). May be repeated to a maximum of nine semester hours.

MAN 4930r. Special Studies in Business (1-3). Prerequisite: Instructor permission. May be repeated to a maximum of nine semester hours as topics vary.

MAN 4941. Field Study in Management (1-3). (S/U grade only.) Prerequisite: Instructor permission. This course provides students with on-the-job experience in major area.

MAN 4970r. Honors Thesis (1-6). Prerequisite: Admission to the honors program. May be repeated to a maximum of nine semester hours. Six semester hours of thesis are required to complete honors in the major.

Graduate Courses

GEB 5944r. Graduate Internship (1-6). (S/U grade only.)

ISM 5008. Fundamentals of Managing Information Technologies (3).

ISM 5021. Information and Technology Management (3).

ISM 5046. Social and Organizational Issues in MIS (3).

ISM 5118. Advanced Systems Analysis and Design (3).

ISM 5123. Information Systems Analysis and Design (3).

ISM 5159. Global Information Systems (3).

ISM 5206. Database Development and Management (3).

ISM 5207. Advanced Database Management (3).

ISM 5226. Network Development and Management (3).

ISM 5227. Advanced Telecommunications Management (3).

ISM 5315. Project Management (3).

ISM 5316. Advanced Project Management (3).

ISM 5327. Corporate Information Security (3).

ISM 5404. Business Intelligence (3).

ISM 5428. Knowledge Management (3).

ISM 5507. E-Business (3).

ISM 5906r. Directed Individual Study (1-3). (S/U grade only.)

ISM 5907r. Information and Systems Management: Special Studies in Management (1-3).

ISM 5935r. Special Topics in Information and Management Sciences (1-3).

ISM 6109. Doctoral Seminar in General Systems Theory (3).

ISM 6395. Doctoral Seminar in Management Information Systems (3).

ISM 6405. Doctoral Seminar in Decision Processes and Structures (3).

ISM 6885. Seminar on Applied MIS Research (3).

ISM 6917r. Supervised Research (1-3). (S/U grade only.)

ISM 6919r. Supervised Teaching (1-3). (S/U grade only.)

ISM 6979. Doctoral Seminar in Research Methods and the Philosophy of Science (3).

MAN 5037. Fundamentals of Management (3).

MAN 5245.	Organizational Behavior (1-4).
MAN 5305.	Personnel/Human Resource Management (3).
MAN 5721.	Strategy and Business Policy (1-4).
MAN 5905r.	Directed Individual Study (1-3). (S/U grade only.)
MAN 5907r.	Special Studies in Management (1-3).
MAN 5911r.	Supervised Research (1-3). (S/U grade only.)
MAN 5935r.	Special Topics in Management (1-3).
MAN 5940r.	Supervised Teaching (1-3). (S/U grade only.)
MAN 6235r.	Doctoral Seminar in Organizational Theory (1-3).
MAN 6275r.	Organization Behavior I: Literature (1-3).
MAN 6306.	Doctoral Seminar in Human Resource Management (3).
MAN 6795r.	Doctoral Seminar in Strategic Management: Selected Topics (3).
MAN 6911r.	Supervised Research (1-3). (S/U grade only.)
MAN 6917.	Doctoral Seminar in Management Research: Research Design (3).
MAN 6932.	Doctoral Seminar in Strategic Management (3).
MAN 6933r.	Doctoral Seminar in Organizational Behavior (3).
MAN 6934.	Doctoral Seminar in Management Research: Data Analysis and Interpretation (3).
MAN 6941r.	Supervised Teaching (1-3). (S/U grade only.)
MAN 6979.	Seminar in Research (3).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Department of MARKETING

COLLEGE OF BUSINESS

Web Page: <http://cob.fsu.edu/mar/>

Chair: Michael Brady; **Professors:** Brady, Brusco, Cronin, Giunipero, Goldsmith, Hartline, Hofacker; **Associate Professors:** Kim, Lee, Smith; **Assistant Professors:** Andrews, Bolander, Bonney, Pelozza, Stolze; **Research Associate:** Larsen; **Associate in Marketing:** Pallentino; **John R. Kerr Research Chair in Marketing:** Cronin; **Richard M. Baker Professor of Marketing:** Goldsmith; **Carl DeSantis Professors of Business Administration:** Brady, Hofacker; **Charles A. Bruning Professor of Business Administration:** Hartline; **Synovus Professor of Business Administration:** Brusco

The marketing curriculum prepares students for successful careers in both the public and private sectors. Courses are oriented toward: (1) problem solving and management decision making; (2) providing knowledge of the tools, types of organization, and institutions utilized in performing marketing activities; and (3) developing the ability to plan and implement marketing policy, strategy, and procedures. Consistent with their interests and career goals, students may choose to major in either marketing or professional sales within the marketing degree program.

The curriculum includes qualitative and quantitative elements with an emphasis on the successful deployment of marketing strategies, especially among the service sector enterprises that dominate our state and national economies. The curriculum is designed to impart knowledge and competence in marketing that will enable graduates to (1) progress well in the early stages of their careers; (2) analyze, plan, organize, coordinate, and control marketing activities; (3) think analytically and respond creatively; (4) communicate effectively; and (5) gain broad perspectives essential to the attainment of top management responsibilities.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in marketing and professional sales satisfy this requirement by earning a grade of "C-" or higher in CGS 2100 (state mandated business prerequisite requirement) or CGS 2518.

Required Risk in Business and Society Course

All undergraduates at Florida State University intending to enter a business major must complete RMI 2302, Risk in Business and Society, with a "C-" or better by the end of their sophomore year. Transfer students will be required to complete this course in their first semester at FSU.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. ACG X021 or ACG X022, or ACG X001 and ACG X011
2. ACG X071 or ACG X301
3. CGS X100 (or demonstrated competency) or CGS X100C or CGS X530 or CGS X570 or CGS X060 or CGS X531 or CGS X000 or ISM X000 or CGS X518
4. ECO X013
5. ECO X023
6. MAC X233 or MAC X230
7. STA X023 or STA X122 or QMB X100

Requirements for a Major in Marketing

All students must complete:

1. the University-wide baccalaureate degree requirements summarized in the "Undergraduate Degree Requirements" chapter of this *General Bulletin*
2. the state of Florida common prerequisites for marketing majors
3. at least sixty semester hours of courses in non-business disciplines
4. the general business core requirements for marketing majors
5. the general business breadth requirements for marketing majors
6. the major area requirements for marketing majors

Note: To be eligible to pursue a major in marketing, students must meet the admission requirements for the AACSB accredited business programs in the College of Business. These admission requirements are described in the "College of Business" chapter of this *General Bulletin*.

General Business Core Requirements

All marketing majors must complete the following five courses. A grade of "C-" or better must be earned in each course.

BUL 3310	The Legal and Ethical Environment of Business (3).
FIN 3403	Financial Management of the Firm (3).
GEB 3213	Business Communications (3).
MAN 3240	Organizational Behavior (3).
MAR 3023	Basic Marketing Concepts (3).

General Business Breadth Requirements

All marketing majors must complete three courses as follows. Each course selected must be completed with a grade of "C-" or better. No course may be used to satisfy part of the general business breadth requirements and part of the marketing major area requirements.

ISM 3003	Foundations of Management Information Systems (3).
QMB 3200	Quantitative Methods for Business Decisions (3).

Plus one elective from the following list of courses:

FIN 3244	Financial Markets, Institutions, and International Finance Systems (3).
HFT 3240	Managing Service Organizations (3).
MAN 3600	Multinational Business Operations (3).
MAN 4720	Strategic Management and Business Policy (3).
MAR 3400	Professional Selling (3).
REE 3043	Real Estate (3).
RMI 3011	Risk Management/Insurance (3).

Major Area Requirements

All marketing majors must complete six courses as listed below. A grade of "C-" or better must be earned in each course used to satisfy the marketing major area requirements. No course may be used to satisfy part of the marketing major area requirements and part of the general business breadth requirements.

MAR 3503	Consumer Behavior (3).
MAN 3504	Service Operations Management (3).
MAR 4613	Marketing Research (3).

Plus three electives from the following list of courses:

MAN 3600	Multinational Business Operations (3).
MAR 3231	Retailing Management (3).
MAR 3323	Promotional Management (3).
MAR 3400	Professional Selling (3).
MAR 3461	Principles of Purchasing (3).
MAR 3711	Sports, Recreation, and Entertainment Marketing (3).
MAR 4156	Multinational Marketing (3).
MAR 4203	Logistics and Supply Chain Management (3).
MAR 4462	Seminar in Purchasing/Materials Management (3).
MAR 4614	Advanced Marketing Research (3).
MAR 4717	Strategic Sports Marketing (3).
MAR 4721	Electronic Marketing (3).
MAR 4841	Services Marketing (3).
MAR 4939r	Marketing Seminar (3).
MAR 4941	Marketing Internship (3).

Alternate Electives: As an alternative to electives offered within the Marketing Department, students may choose up to one of these courses and have it count as an elective within the marketing major:

ADV 3008	Principles of Advertising (3).
ADV 3410	Hispanic Marketing Communication (3).
PUR 3000	Introduction to Public Relations (3).
SPC 4540	Persuasion (3).

Requirements for a Major in Professional Sales

All students must complete:

1. the University-wide baccalaureate degree requirements summarized in the "Undergraduate Degree Requirements" chapter of this *General Bulletin*
2. the state of Florida common prerequisites for professional sales majors
3. at least sixty semester hours of courses in non-business disciplines;
4. the general business core requirements for professional sales majors
5. the general business breadth requirements for professional sales majors; and
6. the major area requirements for professional sales majors.

Note: To be eligible to pursue a major in professional sales, students must meet the admission requirements for the AACSB accredited business programs in the College of Business. These admission requirements are described in the "College of Business" chapter of this *General Bulletin*.

General Business Core Requirements

All professional sales majors must complete the following five courses. A grade of "C-" or better must be earned in each course.

BUL 3310	The Legal and Ethical Environment of Business (3).
FIN 3403	Financial Management of the Firm (3).
GEB 3213	Business Communications (3).
MAN 3240	Organizational Behavior (3).
MAR 3023	Basic Marketing Concepts (3).

General Business Breadth Requirements

All professional sales majors must complete three courses as follows. Each course selected must be completed with a grade of "C-" or better. No course may be used to satisfy part of the general business breadth requirements and part of the professional sales major area requirements.

MAR 3400	Professional Selling (3).
QMB 3200	Quantitative Methods for Business Decisions (3).

Plus one elective from the following list of courses:

FIN 3244	Financial Markets, Institutions, and International Finance Systems (3).
HFT 3240	Managing Service Organizations (3).
ISM 3003	Foundations of Management Information Systems (3).
MAN 3600	Multinational Business Operations (3).
MAN 4720	Strategic Management and Business Policy (3).
REE 3043	Real Estate (3).
RMI 3011	Risk Management/Insurance (3).

Major Area Requirements

All professional sales majors must complete six courses as listed below. A grade of "C-" or better must be earned in each course used to satisfy the professional sales major area requirements. No course may be used to satisfy part of the professional sales major area requirements and part of the general business breadth requirements.

MAR 4403	Sales Management (3).
MAR 4415	Advanced Sales Techniques (3).
MAR 4613	Marketing Research (3).
MAR 4946	Professional Sales Practicum (3).

Plus two electives from the following list of courses:

MAN 3600	Multinational Business Operations (3).
MAR 3231	Retailing Management (3).
MAR 3323	Promotional Management (3).
MAR 3461	Principles of Purchasing (3).
MAR 3711	Sports, Recreation, and Entertainment Marketing (3).
MAR 4156	Multinational Marketing (3).
MAR 4203	Logistics and Supply Chain Management (3).
MAR 4462	Seminar in Purchasing/Materials Management (3).
MAR 4614	Advanced Marketing Research (3).
MAR 4717	Strategic Sports Marketing (3).
MAR 4721	Electronic Marketing (3).
MAR 4841	Services Marketing (3).
MAR 4939r	Marketing Seminar (3).

Alternative Electives: As an alternative to electives offered within the Marketing Department, students may choose up to one of these courses and have it count as an elective within the professional sales major:

MAN 4301	Human Resource Management (3).
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MAN 4441 Negotiation and Conflict Management (3).

SPC 3350 Listening (3).

SPC 4540 Persuasion (3).

Definition of Prefixes

GEB—General Business

MAN—Management

MAR—Marketing

QMB—Quantitative Methods in Business

Undergraduate Courses

MAN 3504. Service Operations Management (3). Prerequisites: CGS 2100 and QMB 3200. This course covers methodology and theory of the design and management of productive systems, especially in the services industry. Includes quantitative techniques and procedures for process analysis.

MAR 3023. Basic Marketing Concepts (3). Prerequisites: ECO 2023 and one behavioral science course. This course is a required prerequisite for all marketing courses. Gives the student an understanding of the decision areas and the ability to utilize marketing concepts to make business decisions.

MAR 3231. Retailing Management (3). Prerequisite: MAR 3023. This course is an intensive training in the rudiments of retail operations.

MAR 3323. Promotional Management (3). Prerequisite: MAR 3023. This course focuses on issues related to management of promotional tools including advertising, personal selling, sales promotion, public relations, and publicity.

MAR 3400. Professional Selling (3). Corequisite: MAR 3023. This course addresses the application of behavioral and persuasive communication theories, as well as the techniques necessary to develop effective personal selling skills within organizations.

MAR 3461. Principles of Purchasing (3). Prerequisite: MAR 3023. This course is an introduction to the concepts, principles, and techniques of purchasing physical resources for all types of organizations.

MAR 3503. Consumer Behavior (3). Prerequisite: MAR 3023. This course acquaints the student with the fundamental theories from the behavioral sciences as applied to the consumer decision making process.

MAR 3711. Sports, Recreation and Entertainment Marketing (3). Prerequisite: MAR 3023. This course provides students a framework for understanding how marketing strategies and tactics can be successfully applied within sports, and within recreational and entertainment organizations.

MAR 4156. Multinational Marketing (3). Prerequisites: MAR 3023 and MAN 3600. This course introduces the student to marketing management decision making in international environments through the use of cases and/or business games.

MAR 4203. Logistics and Supply Chain Management (3). Prerequisite: MAR 3023. This course introduces the student to the management of logistics activities involved in the flow of goods, information, and funds throughout the supply chain.

MAR 4403. Sales Management (3). Prerequisites: MAR 3023 and MAR 3400. This course exposes the student to concepts, activities, and analysis pertaining to sales and the management of the sales force.

MAR 4415. Advanced Sales Techniques (3). Prerequisites: MAR 3023 and MAR 3400. This course builds upon and enhances student skills and knowledge developed in the basic professional selling course. Focus is on using a strategic and consultative sales model to develop, manage, and deliver realistic sales presentations.

MAR 4462. Seminar in Purchasing/Materials Management (3). Prerequisite: MAR 3461. This course covers advanced concepts in purchasing and materials management. Emphasis is on recent research and current practice to achieve strategic sourcing objectives.

MAR 4613. Marketing Research (3). Prerequisites: MAR 3023 and QMB 3200. This course examines marketing research as an information-providing activity for the purpose of management decision making.

MAR 4614. Advanced Marketing Research (3). Prerequisite: MAR 4613. This course provides experience in designing and conducting actual marketing research studies.

MAR 4717. Strategic Sports Marketing (3). Prerequisites: MAR 3023 and MAR 3711. This course enables students to conduct strategic analyses relating to the marketing of sports. Topics include a wide range of issues within the realm of professional sports, in an interactive seminar and a workshop-like environment.

MAR 4721. Electronic Marketing (3). Prerequisite: MAR 3023. This course examines Internet communication, direct sales through electronic commerce, as well as Internet-based promotional communications.

MAR 4841. Services Marketing (3). Prerequisite: MAR 3023. This course examines marketing in the service industries with particular emphasis on unique aspects of services marketing, the service-marketing mix, and the implementation of service strategies.

MAR 4860. Customer Relationship Management (3). Prerequisite: MAR 3023. This course introduces students to the basic theories and terminology of customer relationship management. Special emphasis is placed on customer retention and technological tools for enhancing customer relationships.

MAR 4905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve semester hours.

MAR 4939r. Marketing Seminar (3). Prerequisite: MAR 3023. This course covers various topics taught by different instructors each semester. May be repeated to a maximum of six semester hours.

MAR 4941. Marketing Internship (3). Prerequisite: MAR 3023 and six hours of additional coursework in Marketing. Consent of internship director and faculty adviser required. This course is a marketing internship designed for marketing majors who want to gain real world experience in the marketing field through on-the-job practice. Students work under the direction of an approved industry professional, a faculty adviser and the internship director.

MAR 4946. Professional Sales Practicum (3). Prerequisites: MAR 3023, MAR 3400, and one other sales course; Consent of internship director or sales program director. This course is designed for Professional Sales majors who want to gain real-world experience through one of three options: (1) on the job practice, i.e., a sales internship, (2) strategic account management, i.e., a faculty-directed study of sales research techniques, or (3) a professional sales competition, with the permission of the sales program director.

MAR 4970r. Honors Thesis (3). Prerequisites: MAR 3023 and admission to the honors-in-the-major program. May be repeated to a maximum of six semester hours. Six semester hours of thesis are required to complete honors in the major.

QMB 4700. Operations Research for Managerial Decisions (3). Prerequisite: MAN 3504. This course consists of quantitative analysis of management decisions involving such topics as linear programming, inventory control, queuing, and project management.

Graduate Courses

GEB 6904r. Readings for Examination (1–12). (S/U grade only.)

MAN 5501. Operations Management (3).

MAN 5601. Multinational Business Operations (3).

MAR 5028. Fundamentals of Marketing (3).

MAR 5107. Business Ethics and Social Responsibility (3).

MAR 5125. Marketing Strategy in the Global Environment (3).

MAR 5336. Strategic Corporate Communication (3).

MAR 5408. Sales Leadership (3).

MAR 5409. Business-to-Business Sales and Marketing (3).

MAR 5416. Strategic Sales Force Management (3).

MAR 5465. Purchasing and Supply Chain Management (3).

MAR 5466. Supply Chain II: Seminar in Customer Relations (4).

MAR 5505. Consumer Behavior (3).

MAR 5625. Marketing Research and Analytics (3).

MAR 5726. Electronic Business in Supply Chain Marketing (3).

MAR 5816. Marketing Strategy (3).

MAR 5818. Corporate Affairs Management (3).

MAR 5861. Customer Relationship Management (3).

MAR 5907r. Directed Individual Study (1–3). (S/U grade only.)

MAR 5908r. Special Studies in Management (1–3).

MAR 5917r. Supervised Research (1–3). (S/U grade only.)

MAR 5935r. Special Topics in Marketing (1–3).

MAR 5940r. Supervised Teaching (1–3). (S/U grade only.)

MAR 5957r. Global Business Seminar (1–3).

MAR 5971r. Thesis (3–6). (S/U grade only.)

MAR 6506. Seminar in Consumer Behavior Methods (3).

MAR 6575. Seminar in Marketing: Selected Topics in Consumer Behavior (3).

MAR 6636. Quantitative Methods I: Measurement, Scaling, and Choice (3).

MAR 6658. Quantitative Methods II: Psychometric and Econometric Approaches to Marketing (3).

MAR 6665. Seminar in Marketing Models (3).

MAR 6817. Seminar in Marketing Management (3).

MAR 6828. Seminar in Marketing: Elements and Integration of Marketing Strategy (3).

MAR 6918r. Supervised Research (1–3). (S/U grade only.)

MAR 6919r. Supervised Teaching (1–3). (S/U grade only.)

MAR 6979. Seminar in Marketing: Research Methodology (3).

QMB 5755. Studies in Operations Research (3).

QMB 5906r. Directed Individual Study (1–3). (S/U grade only.)

QMB 5907r. Special Studies in Management (1–3).

QMB 5935r. Special Topics in Quantitative Methods (1–3).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Department of MATHEMATICS

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://www.math.fsu.edu/>

Chair: Xiaoming Wang; **Associate Chair:** Bellenot; **Associate Chair for Graduate Studies:** Okten; **Director of Pure Mathematics:** Hironaka; **Director of Applied and Computational Mathematics:** Gallivan; **Director of Financial Mathematics:** Kercheval; **Co-Directors of Biomathematics:** Bertram, Quine; **Coordinator of Basic Mathematics:** Blackwelder; **Coordinator of Graduate Teaching Assistants:** Kirby; **Coordinator of Actuarial Science:** Paris; **Professors:** Aluffi, Bellenot, Bertram, Bowers, Case, S. Fenley, Gallivan, Heil, Hironaka, Huckaba, Hussaini, Kercheval, Klassen, Kopriva, Mesterton-Gibbons, Mio, Nichols, Nolder, Oberlin, Quine, Seppala, Sussman, Tam, van Hooij, Wang; **Associate Professors:** Agashe, Aldrovandi, Cogan, Hurdal, Kim, Magnan, Muslimani, Okten; **Assistant Professors:** Ewald, Jain, Petersen; **Research Associates in Mathematics:** Blackwelder, Boyd, Dodaro, Grigorian, Kirby, Kutter, Wooland; **Associates in Mathematics:** LeNoir, Paris; **Assistants in Mathematics:** Harris, Subramanian; **Professors Emeriti:** Blumsack, Bryant, Gilmer, Heerema, Howard, Kreimer, Mott, Summers, Wright; **Courtesy Professors:** Absil, Beaumont, Chen, Croicu, le Dimet, Erlebacher, M. Fenley, Gan, Gunzburger, Marcolli, Mascagni, Mathelin, Moorer, Navon, Peterson, Tabak, Tang, van Dooren, Xiaoqiang Wang

The Department of Mathematics (<http://www.math.fsu.edu/>) offers programs of study leading to the Bachelor of Science (BS) and Bachelor of Arts (BA) degrees, the Master of Science (MS) and Master of Arts (MA) degrees, and the Doctor of Philosophy (PhD) degree. (For details of the master's and doctoral degrees, see the *Graduate Bulletin*.) A combined degree plan may be developed for a strong undergraduate, especially one entering with advanced credit. This allows a student to earn both a Bachelor's and a Master's degree in about five years. A degree in mathematics can be regarded as the central component of a liberal education, or as preparation for professional study in another field or mathematics graduate study. Students can also look forward to employment in an industrial or financial firm, a governmental agency, or teaching in a secondary, college, or university institution; the Actuarial Science program is professionally oriented toward the insurance and financial sectors.

The department has a widely recognized research faculty, all of whom teach undergraduate students. Under the direction of a faculty member, selected students may choose to pursue an individual research project under Honors in the Major. For all students, the University provides Internet access, course Web pages and communications, and access to a number of leading databases, including the Mathematical Review. The department operates its own network of computers and computer labs. Faculty and students in the department have access to a variety of mathematical software, which is used in courses and in research. For additional information, see the departmental Web site.

The department offers opportunities for its majors to participate in learning activities outside the classroom. The **Florida State University Mathematical Society** provides a venue in which undergraduate students and faculty meet monthly to share interests and enjoy an accessible lecture by a faculty member or a distinguished visitor. The **Florida State Student Actuarial Society** benefits from a first-rate professional relationship with actuarial employers; actuaries from government, insurance, and consulting firms often visit the department to describe the field and interview students for summer internships and employment. The students share experiences about summer internships and prepare for actuarial examinations; well-placed graduates of the program help current students. The department fields a team for the **William Lowell Putnam Examination**, a nationwide competition among mathematics students conducted annually by the Mathematical Association of America. A Fall seminar is held for students to become familiar with Putnam-style problems and to hone their skills at solving them. Each year the local chapter of the national mathematics honorary society **Pi Mu Epsilon** inducts students of high academic achievement from each of the three majors. All of these activities offer opportunities to socialize while learning.

Departmental Programs

There are five majors leading to the bachelor's degree: applied and computational mathematics, pure mathematics, biomathematics, mathematics/FSU-Teach, and actuarial science (please consult the "Program in Actuarial Science" section of this *Undergraduate Bulletin*). In any of these majors, students who intend to pursue graduate work in higher mathematics are encouraged to include appropriate mathematics sequences. Under the direction of a faculty member, a student may pursue a flexible major program to fit particular interests or an individual research project under honors in the major.

Combined BS/MS Degrees

This program in mathematics is built on the department's four major options at the graduate level: (pure) mathematics, applied and computational mathematics, biomathematics, and financial mathematics. With the sharpened focus of university experience, a student from any of the department's four undergraduate options might discover mathematical interests to pursue any one of the graduate options.

This combined degree program allows the motivated and focused student in either the mathematics or the actuarial science program to complete both bachelor's and master's degree in nine to eleven semesters. Up to twelve semester hours of courses from a master's option may be dual-eligible for credit toward the bachelor's degree.

Academic Performance

A grade of "C-" or better is required in all courses to be counted toward these degrees. A student who has accumulated more than one grade below a "C-" (including grades of U) in the calculus sequence MAC 2311, MAC 2312, MAC 2313 at Florida State University or elsewhere, whether repeated or not, will not be permitted to continue as a major in the department. A student who has accumulated more than five grades below "C-" (including grades of U) in any mathematics or collateral course required for the degree taken for college credit at Florida State University or elsewhere, whether repeated or not, will not be permitted to continue as a major in the department. The collateral courses include COP 3014 or ISC 3313, PHY 2048C, STA 4321 for all options. For biomathematics, it includes the collateral biology, chemistry, and physics. For actuarial science, it includes the collateral courses with prefixes ACG, ECO, FIN, RMI, or STA. For FSU-Teach, it includes the collateral coursework with prefixes BSC, HIS, MAT, RED, SMT, or TSL.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in actuarial science, applied mathematics, biomathematics, mathematics, and mathematics/FSU-Teach satisfy this requirement by earning a grade of "C-" or higher in COP 3014 or ISC 3313.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

Mathematics

1. COP XXXX: one scientific programming course for three credit hours designed for computer science majors
2. MAC X311
3. MAC X312
4. MAC X313
5. BSC XXXX/XXXXL or CHM XXXX/XXXXL or GLY XXXX/XXXXL or PHY XXXX/XXXXL: one laboratory based science course for four credit hours designed for science majors
6. MAP X302

Note: A "C" grade or better in all coursework is required for admission.

Actuarial Science

1. COP XXXX: one scientific programming course for three credit hours designed for computer science majors
2. ECO X013
3. ECO X023
4. MAC X311
5. MAC X312
6. MAC X313

Note: A “C” grade or better in all coursework is required for admission.

FSU-Teach Mathematics

1. COP XXXX: one scientific programming course for three credit hours designed for computer science majors
2. MAC X311
3. MAC X312
4. MAC X313
5. BSC XXXX/XXXXL or CHM XXXX/XXXXL or PHY XXXX/XXXXL or GLY XXXX/XXXXL: one laboratory based science course for four credit hours designed for science majors
6. MAP X302
7. SMT X043
8. SMT X053

Note: A “C” grade or better in all coursework is required for admission. Transfer students will be able to take SMT X043 and SMT X053 when admitted to upper division.

Requirements

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this *General Bulletin*. The student should also obtain, from the departmental office and Web site, revisions to the degree guidelines since this printing.

The Bachelor of Arts (BA) degree in mathematics or actuarial science can be obtained by completion of the Bachelor of Science (BS) degree requirements plus additional courses required by the University as set forth in the “Undergraduate Degree Requirements” chapter of this *General Bulletin*.

Students should complete the state of Florida common program prerequisites, including the physics or economics requirements, during the first two college years.

A student who expects to continue on to doctoral work in mathematics is encouraged to complete the foreign language requirement in French, German, or Russian.

Mathematics courses at the 4000 level applied toward any departmental major must be taken at Florida State University unless specifically exempted by the chair on written request.

In order to obtain final graduation clearance from the Department of Mathematics, all majors must complete an exit survey.

Honors in the Major

The Department of Mathematics offers honors in the major designed to introduce the student to the process of independent and original research. For requirements and other information, see the “University Honors Office and Honor Societies” chapter of this *General Bulletin*.

FSU-Teach Program in Teaching Mathematics

For those interested in teaching mathematics, FSU-Teach is an innovative approach to teacher education that involves collaboration between scientists, mathematicians and education faculty at Florida State University. In FSU-Teach, students will develop deep science or mathematics knowledge and the knowledge, skill, and experience needed to be an effective science or math teacher. The program will pay for tuition for the first two courses, and work study positions with scientists, mathematicians and local schools are available. For more information, see our Web site: <http://FSU-Teach.fsu.edu>.

Second Majors

Students may double major in actuarial science and any of the four mathematics majors (pure, applied/computational, biomedical or Math/FSU-Teach) by completing all of the prerequisite and degree requirements for each selected program. A student may also complete a second major in another department. The flexible plan major is particularly appropriate for students in other majors who seek deeper mathematics study, or students in mathematics who have interdisciplinary interests. Mathematics has no restrictions on the number of hours that can overlap with another major.

Requirements for a Minor in Mathematics

A minor in mathematics consists of twelve semester hours in courses with prefixes MAA, MAC, MAD, MAP, MAS, MAT, MGF, MHF, and MTG, but not including any of the courses numbered 1XXX, or MAC 2233. A grade of “C–” or better must be earned in each course counted toward the minor.

Baccalaureate Degree in Mathematics

Courses required for each of the degree options in mathematics are MAP 2302 and MAS 3105. The student must exhibit proficiency in a scientific computer programming language, and must also satisfy the University’s computer skills competency requirement. Students will normally complete COP 3014 or ISC 3313 to satisfy both those requirements, although the former may be shown by courses in C, C++, FORTRAN, Java, or another approved higher-level language. STA 4321 is required. Representative requirements for the four mathematics major options follow. Students should refer to the departmental Web site (<http://www.math.fsu.edu>) or the departmental office (208 LOV) for the most current information.

Major in Mathematics. In addition to the state of Florida common program prerequisites and the courses above, the student will complete PHY 2048C and will complete the courses MAS 4302; MAA 4224 or 4226; and four of the following, of which at least two must be at the 4000 level: MAA 4227, 4402; MAD 2104, 3105, 3703, 4704; MAP 4103, 4153, 4180, 4202, 4216, 4341, 4342; MAS 4106, 4203, 4303; MAT 4934; MGF 3301; MHF 4302; MTG 4302. At least one of the sequences following, or an approved substitution, must be included: MAA 4226-4227, MAA 4402 and MTG 4302, MAD 3703-4704, MAP 4341-4342, or MAS 4302-4303. Additional computer languages are recommended.

A student intending to do graduate work in pure mathematics should take MAA 4226-4227 and MAS 4302-4303 as well as MAA 4402 and MTG 4302.

Major in Applied Mathematics. In addition to the state of Florida common program prerequisites and the courses above, the student will complete PHY 2048C (PHY 2049C is highly recommended) and the courses MAD 3703; MAP 4103 and 4341; and three of the following: MAA 4224 or 4226, 4227, 4402; MAD 4704; MAP 4153, 4180, 4202, 4216, 4342; MAS 4106; MAT 4934.

Major in Biomathematics. This modern major can lead to employment in the area of biological applications, to medical school, or to graduate school in mathematical biology or the sciences. In addition to the state of Florida common program prerequisites, the student will complete collateral science courses including BSC 2010, 2010L, 2011; CHM 1045C, 1045L; PHY 2048C or 2053C; and at least one upper-division course on a list of such courses, typically PCB 3063. No additional minor is required. MAP 2480 and MAP 4481 are required, along with additional elective requirements; students should consult the departmental office or the Web site for exact elective requirements.

Major in Mathematics/FSU-Teach. A new mathematics major for students in the FSU-Teach program. In addition to what was mentioned above (i.e. the state of Florida common program prerequisites, COP 3014, MAP 2302, MAS 3105, and STA 4321), the student will complete PHY 2048C and a course in each of four mathematical areas of Analysis, Algebra, Geometry and Modeling and two additional electives (one at the 3000 level or above). The courses acceptable for each mathematical area are: for Algebra: MAS 3301, MAS 4203 or MAS 4302; for Analysis: MAA 4402, MAA 4224 or MAA 4226; for Geometry: MTG 4212; for Modeling: MAP 4103, MAP 4175, MAP 4180 or MAP 4481; and for electives: MAA 4227, MAD 2104, MAD 3105, MAP 4170, MAP 4153, MAP 4202, MAP 4216, MAP 4341, MAS 4106, MAS 4303, MGF 3301, MHF 4302, MTG 4302 or additional courses from the Algebra, Analysis, Geometry, and/or Modeling groups. The FSU-Teach educational courses are a collateral major and can count as the minor for the Mathematics/FSU-Teach option.

Note: In order to obtain final graduation clearance from the Department of Mathematics, all majors must complete an exit survey.

Baccalaureate Degree in Actuarial Science

In addition to the state of Florida common program prerequisites, there are interdisciplinary degree requirements. Representative requirements include: MAP 4170, 4175, COP 3014 or equivalent; and four repetitions of actuarial tutorial MAT 4930r. STA 4321 is required.

The student must also take the following courses in business and economics: ACG 2021; ECO 2013 or 4203, and ECO 2023 or 4101; FIN 3403 and 4504; RMI 3011. These courses satisfy the requirements for a minor in business, and no additional minor is required.

Note: For the most recent information concerning course requirements for this program, please refer to <http://www.math.fsu.edu>.

Additional requirements include a total of six courses from three course groups. Students must complete:

1. Two courses chosen from MAP 2302, MAP 4176, and MAS 3105.
2. At least one course chosen from MAA 4224, 4226, 4227; MAD 3703; MAP 4341; MAS 4106; STA 4203, 4322, 4853.
3. At least one of the following courses: ECO 4101, 4203, 4401, 4421; FIN 4514; RMI 4115, 4135, 4224, 4292.

Minor or Second Major

Information concerning acceptable minors and second majors for students majoring in a department program is available from the departmental office. The required computer science, physics, and statistics courses are collateral and may be counted toward a minor in the appropriate department.

Prerequisite Courses

Before taking any mathematics course, the student must complete with a grade of “C–” or better each course prerequisite to that course. Moreover, a student who earns a “C–” or better in a course with one or more stated or implied prerequisites may not subsequently earn credit in the prerequisite course(s). For example, a student who has earned a “C–” or better in MAC 2312 may not subsequently enroll in MAC 1105, 1114, 1140, or 2311.

Credit Note 1. In exception to the preceding paragraph, a transfer student may take MAC 1105 for credit even though the student has a “C–” or better in a transfer course that has been equated to a course for which MAC 1105 is prerequisite, provided the student has taken the AMP (Advanced Mathematics Placement) test and has not yet satisfied the Area I liberal studies requirement in mathematics.

Credit Note 2. In cases in which a student has earned a “D+”, “D”, or “D–” in a course and subsequently takes a similar course at the same level, the hours toward graduation for the first course will be disallowed as soon as the student passes the second course. These cases are: MAC 2233 after MAC 2311; MAC 2311 after MAC 2233.

Credit Note 3. Credit cannot be obtained for both MAD 2104 and MGF 3301.

Definition of Prefixes

- MAA**—Mathematics: Analysis
- MAC**—Mathematics: Calculus and Precalculus
- MAD**—Mathematics: Discrete
- MAE**—Mathematics Education
- MAP**—Mathematics: Applied
- MAS**—Mathematics: Algebraic Structures
- MAT**—Mathematics
- MGF**—Mathematics: General and Finite
- MHF**—Mathematics: History and Foundations
- MTG**—Mathematics: Topology and Geometry
- OCP**—Physical Oceanography

Undergraduate Courses

MAA 4224. Introduction to Analysis I (3). Prerequisites: MAC 2313, MAS 3105, and prior experience with mathematical proofs (MGF 3301, MAD 2104 or other proving experience). Not open to students with credit in MAA 4226. This course is a rigorous treatment of elementary calculus. Topics include the completeness of the real numbers, sequences and series, limits and continuity, derivatives, integrals, the Fundamental Theorem of Calculus, and sequences and series of functions. Students intending graduate study in mathematics should take MAA 4226.

MAA 4226. Advanced Calculus I (3). Prerequisites: MAC 2313, MAS 3105, and prior experience with mathematical proofs (MGF 3301, MAD 2104 or other proving experience). This course covers functions, sequences, limits; continuity, uniform continuity; differentiation; integration; convergence, uniform convergence. For strong students with adviser approval only.

MAA 4227. Advanced Calculus II (3). Prerequisite: MAA 4226. This course is a continuation of MAA 4226.

MAA 4402. Complex Variables (3). Prerequisite: MAC 2313. This course covers analytic functions, Cauchy-Riemann conditions; complex integration, Cauchy’s theorem and integral formula; power series, analytic continuation, Riemann surfaces; residues and applications; conformal mapping.

MAA 4934r. Topics in Analysis (1-3). Prerequisite: Instructor permission. Special topics course. May be repeated to a maximum of twelve semester hours. May be repeated within the same semester.

MAC 1105. College Algebra (3). Prerequisite: MAT 1033 with a grade of “C–” or better or a suitable mathematics examination placement score. Recommended background: two years of high school algebra. On basis of test scores the student may be required to take a community college course before MAC 1105. This course is a review of algebraic operations, equations, and inequalities; functions and functional notation; graphs; inverse functions; linear, quadratic, rational function; absolute value; radicals; exponential and logarithmic functions; system of equations and inequalities; applications.

MAC 1114. Analytic Trigonometry (2). Prerequisite: MAC 1105. This course covers trigonometric functions, inverse trigonometric functions and their graphs; identities and conditional equations; solution of triangles; trigonometric form of complex numbers; DeMoivre’s theorem and n th roots; introduction to plane vectors.

MAC 1140. Precalculus Algebra (3). Prerequisite: MAC 1105 or suitable mathematics examination placement score. May be taken concurrently with MAC 1114. This course covers functions and graphs, especially higher degree polynomial, rational, exponential, and logarithmic functions; systems of equations; solution of linear systems, matrix methods; determinants; sequences and series, induction; and the binomial theorem. The course also explores applications, approximation, and methods of proof.

MAC 1147. Precalculus Algebra/Trigonometry (5). Prerequisite: MAC 1105 or suitable mathematics examination placement score. This course is a one-semester course encompassing the topics of MAC 1140 (Precalculus Algebra) and MAC 1114 (Analytic Trigonometry). See the topics for MAC 1140 and MAC 1114. Credit must be reduced to four hours for students who took MAC 1141 and received a grade of “C–” or better.

MAC 2233. Calculus for Business (3). Prerequisites: Suitable mathematics examination placement score or MAC 1105 or MAC 1140 or the former MAC 1141. This course covers limits, continuity, first and higher derivatives, and the differential, with applications to graphing, rates of change, and optimization methods; techniques of integration and applications; introduction to multivariate calculus. Not open to students who have credit in MAC 2311 with a grade of “C–” or better. (See Credit Note 2 above.)

MAC 2311. Calculus with Analytic Geometry I (4). Prerequisites: MAC 1147; or MAC 1140 and MAC 1114; or suitable mathematics examination placement score. This course covers polynomial, trigonometric, exponential, and logarithmic functions; first and second derivatives and their interpretations; definition and interpretation of the integral; differentiation rules; implicit differentiation; applications of the derivative; anti-derivatives; fundamental theorem of calculus. This course must be taken for reduced credit by students with prior credit for some of the content.

MAC 2312. Calculus with Analytic Geometry II (4). Prerequisite: MAC 2311 or suitable mathematics examination placement score. This course covers techniques of integration; applications of integration; series and Taylor series; differential equations. This course must be taken for reduced credit by students with prior credit for some of the content.

MAC 2313. Calculus with Analytic Geometry III (5). Prerequisite: MAC 2312. This course covers functions of several variables and their graphical representations; vectors; partial derivatives and gradients; optimization; multiple integration; polar, spherical, and cylindrical coordinate systems; curves; vector fields; line integrals; flux integrals; divergence theorem and Stokes’ theorem. This course must be taken for reduced credit by students with prior credit for some of the content.

MAD 2104. Discrete Mathematics I (3). Prerequisite: MAC 2311 or COP 3014 and MAC 1140. Recommended prerequisite: MAC 2311. This course covers techniques of definition and logical argument, sets and functions, propositional logic, introduction to graphs and relations, and applications. Mathematics majors should take MGF 3301 instead of MAD 2104.

MAD 3105. Discrete Mathematics II (3). Prerequisite: MAD 2104 or MGF 3301. Recommended prerequisite: MAC 2311. This course covers techniques of definition and logical argument, graphs and diagraphs, relations, Boolean algebra, and applications.

MAD 3703. Numerical Analysis I (3). Prerequisites: MAC 2312 and competence in a programming language suitable for numeric computations, such as C, C++, Fortran, Java, or Python. This course covers root finding, interpolation and polynomial approximation, numerical differentiation and integration, direct and iterative methods for systems of linear equations.

MAD 4704. Numerical Analysis II (3). Prerequisites: MAD 3703 and MAP 2302. This course covers approximation theory, numerical solution of nonlinear systems, boundary value problems and initial value problems for ordinary differential equations.

MAD 4934r. Topics in Discrete or Computational Mathematics (1-3). Prerequisite: Instructor permission. Special topics course. May be repeated to a maximum of twelve semester hours. May be repeated within the same semester.

MAE 4813. Number Systems (4). This course investigates, compares, and contrasts principles and operations related to finite and infinite subsets of the real numbers with an emphasis on understanding. Not open to students majoring in mathematics.

MAE 4815. Elements of Algebra (3). This course covers the algebra of sets and the algebra of real numbers. Concepts rather than rote manipulations are emphasized. Not open to students majoring in mathematics.

MAE 4816. Elements of Geometry (3). This course explores a variety of traditional and innovative geometric topics via a hands on approach. Topics include congruence, similarity, Pythagorean triples, and areas of curvilinear figures. Not open to students majoring in mathematics.

MAE 4873. Introduction to Applications of Mathematics for Teachers (2). Prerequisite: A 2000-level course in mathematics or two years experience in teaching high school mathematics. Non-mathematics majors only. This course offers an introduction to applications of mathematics for teachers.

MAE 4874. Fundamental Principles of Algebra (2). Prerequisites: A 2000-level course in mathematics or two years experience in teaching secondary school mathematics. This course is not open to students majoring in mathematics.

MAP 2302. Ordinary Differential Equations (3). Prerequisite: MAC 2313 or MAC 2312 with a grade of “B–” or better. This course covers differential equations of the first order, linear equations of the second, systems of first order equations, power series solutions, Laplace transforms, numerical methods. Not open to students having credit in MAP 3305.

MAP 2480. Biocalculus Computer Laboratory (1). Prerequisite: MAC 2311. This computer laboratory applies calculus methods and mathematical programming software to assist students in solving problems from biology, medicine, and psychology.

MAP 3305. Engineering Mathematics I (3). Prerequisite: MAC 2313 or MAC 2312 with a grade of “B–” or better. This course covers ordinary differential equations, Laplace transform, and linear algebra: determinants, matrices, eigenvalues, and eigenvectors. Not open to students having credit in MAP 2302.

MAP 3306. Engineering Mathematics II (3). Prerequisites: MAC 2313 and MAP 2302 or MAP 3305. This course offers Fourier series and Fourier transforms, introduction to partial differential equations. Not open to students having credit in MAP 4341.

MAP 4103. Mathematical Modeling (3). (S/U grade only.) Prerequisites: MAC 2313, MAP 2302, MAS 3105, and PHY 2048C. This course covers the application of mathematics to real life situations, construction of mathematical models, use of elementary and advanced mathematical methods, and case studies.

MAP 4153. Vector Calculus with Introduction to Tensors (3). Prerequisite: MAC 2313. This course covers vector calculus: gradient, divergence, curl; differential operators in orthogonal curvilinear coordinates; line, surface, and volume integrals; Stokes' and Green's theorems; subscript notation, Cartesian tensors; and applications.

MAP 4170. Introduction to Actuarial Mathematics (4). Prerequisite: MAC 2312. This course covers amount function, dollar-weighted and time-weighted rates, force of interest; special annuity types, bonds, capitalization, and applications. Yield curves, spot rates, forward rates, duration, convexity, and immunization and additional financial concepts.

MAP 4175. Actuarial Models (4). Prerequisites: MAP 4170 and STA 4321. This course covers single- and multiple-life survival analysis; mortality laws, deterministic methods, and contingent payments and annuities; premium principles and reserves for continuous, discrete, and semi-continuous insurance products; multiple decrement theory (competing risks) and applications.

MAP 4176. Advanced Actuarial Models, Credibility, and Simulation (4). Prerequisite: MAP 4175. This course covers claim frequency models, individual loss models, aggregate loss models, multiple-life and multiple-death decrement survival models, multiple-state transition models, credibility theory, and simulation.

MAP 4180. Game Theory and Applications (3). Prerequisites: MAC 2313, MAS 3105, MAP 2302, and STA 4321. This course covers solution concepts for noncooperative games. Nash equilibrium. Selection criteria. Evolutionary stable strategies. Cooperative games in strategic form. Characteristic function games. The prisoners dilemma. Applications.

MAP 4202. Optimization (3). Prerequisites: MAC 2313, MAD 3703, and MAS 3105. This course covers linear programming, unconstrained optimization, searching strategies, equality and inequality constrained problems.

MAP 4216. Calculus of Variations (3). Prerequisites: MAP 2302 and MAA 4226 or MAA 4224 or MAP 4341. This course covers fundamental problems, weak and strong extrema, necessary and sufficient conditions, Hamilton-Jacobi theory, dynamic programming, control theory and Pontryagin's maximum principle.

MAP 4341. Elementary Partial Differential Equations I (3). Prerequisites: MAC 2313 and MAP 2302 or MAP 3305. This course covers separation of variables, Fourier Series, Sturm-Liouville problems, multidimensional initial boundary value problems, nonhomogeneous problems, Bessel functions, and Legendre polynomials.

MAP 4342. Elementary Partial Differential Equations II (3). Prerequisite: MAP 4341. This course covers solution of first-order quasi-linear partial differential equations, classification and reduction to normal form of linear second-order equations, Green's function, infinite domain problems, the wave equation, radiation condition, spherical harmonics.

MAP 4481. Mathematical Modeling in Biology (3). Prerequisite: MAC 2312. Recommended prerequisite: MAP 2480. This course is an introduction to the use of mathematical models in biology. Linear and nonlinear difference and ordinary differential equations, linear stability analysis, phase plane analysis. Applications may include population biology, infectious diseases, chemical kinetics, and physiology.

MAP 4934. Topics in Applied Mathematics (1-3). Prerequisite: Instructor permission. Special topics course. May be repeated to a maximum of twelve semester hours.

MAS 3105. Applied Linear Algebra I (4). Prerequisite: MAC 2312. This course covers Gaussian elimination, vector spaces, least squares problems, determinants, eigenvalues and eigenvectors, linear transformations, applications.

MAS 3301. Introduction to Modern Algebra (3). Prerequisites: MAC 2312 and MAS 3105. This course covers groups, permutations and symmetries, rings, integral domains, properties of the integers, fields and rational numbers. Mathematics majors other than FSU-Teach must take MAS 4302 instead.

MAS 4106. Applied Linear Algebra II (3). Prerequisites: MAC 2313 and MAS 3105. This course covers positive definite matrices, matrix computation, linear programming and game theory. Applications.

MAS 4203. Theory of Numbers (3). Prerequisites: MAS 3105 and prior experience with mathematical proofs (MGF 3301, MAD 2104, or other proving experience). This course covers the Euclidean algorithm; congruencies, quadratic residues, the law of quadratic reciprocity, and an elementary discussion of arithmetic functions and distribution of primes.

MAS 4302. Introduction to Abstract Algebra I (3). Prerequisites: MAS 3105 and prior experience with mathematical proofs (MGF 3301, MAD 2104 or other proving experience). This course covers groups, permutation groups, subgroups, group homomorphisms, structure of groups, rings, ideals, ring homomorphisms, rings of quotients, polynomials, factorization, fields, field extensions.

MAS 4303. Introduction to Abstract Algebra II (3). Prerequisite: MAS 4302. This course is a continuation of MAS 4302.

MAS 4934r. Topics in Algebra (1-3). Prerequisite: Instructor permission. Special topics course. May be repeated to a maximum of twelve semester hours. May be repeated within the same semester.

MAT 3503. Functions and Modeling (3). Prerequisite: MAC 2312. This course includes group and individual activities designed to strengthen knowledge of, and connections among, topics in secondary and college mathematics. Problem-solving; gathering and analyzing data; and modeling using linear, polynomial, and trigonometric functions, and parametric and polar equations are also explored. Students discuss and present work in class, and make use of various technologies.

MAT 3711. Introduction to Symbolic Computation (3). Prerequisite: MAC 2312. This course covers the generalities of programs for symbolic computation; programming mathematics; elementary computer algebra: manipulating polynomials, Groebner bases; elementary computer analysis; integration techniques.

MAT 3930r. Special Topics in Mathematics (1-3). May be repeated within the same term to a maximum of twelve semester hours. May be repeated to a maximum of twelve semester hours.

MAT 4906r. Directed Individual Study (1-4). May be repeated within the same term to a maximum of thirty semester hours.

MAT 4930r. Special Topics in Mathematics (1-3). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

MAT 4931r. Special Topics in Mathematics (1-3). May be repeated to a maximum of six semester hours when subject matter changes.

MAT 4934r. Honors Work (3). May be repeated to a maximum of nine semester hours.

MAT 4945r. Undergraduate Professional Internship (1-3). (S/U grade only.) Prerequisite: Instructor permission. This course is a supervised internship individually assigned to accommodate the student's professional development in an area of application (e.g., actuarial science; industrial applications). May be repeated to a maximum of three semester hours.

MGF 1106. Mathematics for Liberal Arts I (3). Prerequisite: MAT 1033 with a grade of "C-" or better or a suitable mathematics examination placement score. This course covers set theory; symbolic logic; counting principles; permutations and combinations; probability; statistics; geometry; applications and history of mathematics. Recommended background: two years of high school algebra. Course is not intended for students whose programs require precalculus or calculus courses.

MGF 1107. Topics in Practical Finite Mathematics (3). Prerequisites: MAT 1033 with a grade of "C-" or better or a suitable mathematics examination placement score. This course covers financial mathematics; linear and exponential growth; numbers and number systems; history of mathematics; elementary number theory; voting techniques; graph theory; game theory; geometry; and computer applications. Recommended background: two years of high school algebra.

MGF 1214. Environmental Mathematics (3). This course is an elementary introduction to mathematical models useful in understanding and solving environmental problems. The H.T. Odum energy diagrams for energy flows provide visual models that are translated into flow equations, which can then be solved by ordinary calculators. Recommended background: two years of high school algebra.

MGF 3301. Introduction to Advanced Mathematics (3). Prerequisite: MAC 2312. Credit is not also allowed for MAD 2104. This course is an introduction to the methods of mathematics through such a variety of classical and modern topics as set theory, algebra, real number topology, and graph theory. Axioms and proofs are emphasized throughout.

MHF 4302. Mathematical Logic I (3). Prerequisite: MGF 3301 or instructor permission. This course covers propositional and predicate logic, models, as well as Godel's completeness theorem and related theorems.

MTG 4212. College Geometry (3). Prerequisites: MAC 2312 and MAS 3105. This course examines fundamental topics in geometry from an advanced viewpoint, primarily designed for teachers and prospective teachers of mathematics.

MTG 4302. Elementary Topology I (3). Prerequisite: MAC 2313; MGF 3301 recommended. This course examines topological spaces, metric spaces, connectedness, compactness, separation properties, topology of the plane, and product spaces.

MTG 4303. Elementary Topology II (3). Prerequisite: MTG 4302. This course examines function spaces, Hilbert space, quotient spaces, continua, paracompactness and metrizable spaces, nets and filters, and the fundamental group.

MTG 4934r. Topics in Topology or Geometry (1-3). Prerequisite: Instructor permission. Special topics course. May be repeated to a maximum of twelve semester hours. May be repeated within the same semester.

Graduate Courses

MAA 5306. Advanced Calculus I (3).

MAA 5307. Advanced Calculus II (3).

MAA 5406. Theory of Functions of a Complex Variable I (3).

MAA 5407. Theory of Functions of a Complex Variable II (3).

MAA 5616. Measure and Integration I (3).

MAA 5617. Measure and Integration II (3).

MAA 5721. Computer Analysis (3).

MAA 5932. Topics in Analysis (1-3).

MAD 5305. Graph Theory (3).

MAD 5403. Foundations of Computational Mathematics I (3).

MAD 5404. Foundations of Computational Mathematics II (3).

MAD 5420. Numerical Optimization (3).

MAD 5738. Numerical Solution of Partial Differential Equations I (3).

MAD 5739. Numerical Solution of Partial Differential Equations II (3).

MAD 5745. Spectral Methods for Partial Differential Equations (3).

- MAD 5757.** High Order Finite Difference Methods for Computational Acoustics and Fluid Dynamics (3).
- MAD 5932r.** Topics in Computational Mathematics (1–3).
- MAP 5107.** Mathematical Modeling (3).
- MAP 5165.** Methods of Applied Mathematics I (3).
- MAP 5177.** Actuarial Models (3).
- MAP 5178.** Advanced Actuarial Models, Credibility, and Simulation (3).
- MAP 5207.** Optimization (3).
- MAP 5217.** Calculus of Variations (3).
- MAP 5345.** Elementary Partial Differential Equations I (3).
- MAP 5346.** Elementary Partial Differential Equations II (3).
- MAP 5395.** Finite Element Methods (3).
- MAP 5423.** Complex Variables, Asymptotic Expansions, and Integral Transforms (3).
- MAP 5431.** Introduction to Fluid Dynamics (3).
- MAP 5441.** Perturbation Theory (3).
- MAP 5485.** Introduction to Mathematical Biophysics (3).
- MAP 5486.** Computational Methods in Biology (3).
- MAP 5513.** Wave Propagation Theory (3).
- MAP 5601.** Introduction to Financial Mathematics (3).
- MAP 5611.** Introduction to Computational Finance (3).
- MAP 5615.** Monte Carlo Methods in Financial Mathematics (3).
- MAP 5932r.** Topics in Applied Mathematics (1–3).
- MAS 5307.** Groups, Rings, and Vector Spaces I (3).
- MAS 5308.** Groups, Rings, and Vector Spaces II (3).
- MAS 5311.** Abstract Algebra I (3).
- MAS 5312.** Abstract Algebra II (3).
- MAS 5331r.** Algebraic Structures I (3).
- MAS 5332r.** Algebraic Structures II (3).
- MAS 5731.** Computer Algebra (3).
- MAS 5932r.** Topics in Algebra (1–3).
- MAT 5907r.** Directed Individual Study (1–4). (S/U grade only.)
- MAT 5911r.** Supervised Research (1–5). (S/U grade only.)
- MAT 5920r.** Colloquium (0). (S/U grade only.)
- MAT 5921r.** Graduate Mathematics Colloquium (1). (S/U grade only.)
- MAT 5932r.** Selected Advanced Topics (1–3).
- MAT 5933r.** Special Topics in Mathematics (1–3). (S/U grade only.)
- MAT 5939.** Graduate Seminar (1).
- MAT 5941.** Internship in College Teaching (1–3). (S/U grade only.)
- MAT 5945r.** Graduate Professional Internship (1–3). (S/U grade only.)
- MAT 5946r.** Supervised Teaching (1–5). (S/U grade only.)
- MHF 5206.** Foundations of Mathematics (3).
- MHF 5306.** Mathematical Logic I (3).
- MTG 5326.** Topology I (3).
- MTG 5327.** Topology II (3).
- MTG 5346.** Algebraic Topology I (3).
- MTG 5347.** Algebraic Topology II (3).
- MTG 5376r.** Topological Structures I (3).
- MTG 5932r.** Topics in Geometry (1–3).
- OCP 5256.** Fluid Dynamics: Geophysical Applications (3).
- MAA 6416r.** Advanced Topics in Analysis (3).
- MAA 6939r.** Advanced Seminar in Analysis (1). (S/U grade only.)
- MAD 6408r.** Advanced Topics in Numerical Analysis (3).
- MAD 6939r.** Advanced Seminar in Scientific Computing (1). (S/U grade only.)
- MAP 6434r.** Advanced Topics in Hydrodynamics (3).
- MAP 6437r.** Advanced Topics in Applied Mathematics (3).
- MAP 6621.** Financial Engineering I (3).
- MAP 6939r.** Advanced Seminar in Applied Mathematics (1). (S/U grade only.)
- MAS 6396r.** Advanced Topics in Algebra I (3).
- MAS 6939r.** Advanced Seminar in Algebra (1). (S/U grade only.)
- MAT 6908r.** Directed Individual Study (1–4). (S/U grade only.)
- MAT 6932r.** Advanced Topics in Mathematics (1–3).
- MAT 6933r.** Selected Advanced Topics (1–3). (S/U grade only.)
- MAT 6939r.** Advanced Graduate Seminar (1). (S/U grade only.)
- MTG 6396r.** Advanced Topics in Topology (3).
- MTG 6939r.** Advanced Seminar in Topology (1). (S/U grade only.)

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

MATHEMATICS EDUCATION: see Middle and Secondary Education

Department of MECHANICAL ENGINEERING

FAMU-FSU COLLEGE OF ENGINEERING

Web Page: <http://www.eng.fsu.edu/me/>

Chair: Emmanuel Collins; **Professors:** Alvi, Cartes, Cattafesta, Collins, Hellstrom, Kalu, Krothapalli, Larbalestier, Shih, Van Dommelen, Van Sciver; **Associate Professors:** Hollis, Hrudá, Moore, Oates, Ordóñez; **Assistant Professors:** Clark, Guo, Kumar, Taira; **Affiliated Faculty:** Gunsburger, Han, Hussaini, Tam; **Adjunct Faculty:** Amin, Bin, Chuy, Larson; **Professor Emeritus:** Buzyna, Chen, Gielisse

The Bachelor of Science (BS) program in the Department of Mechanical Engineering is designed to provide background for a wide variety of careers. The discipline of mechanical engineering is very broad, but generally emphasizes an appropriate mix of thermal science, mechanics and materials, dynamic systems, and design. Graduates typically enter various energy, aerospace, or product manufacturing industries, or government laboratories.

The undergraduate program is designed to impart a broad knowledge in basic and engineering sciences and to provide a solid understanding of contemporary engineering practices. The program also seeks to provide students with a foundation in communications skills, principles of economics, and other fundamentals upon which they will draw in their professional careers. Special emphasis is placed on communications skills by requiring extensive written laboratory reports and design project presentations. Computer literacy is bolstered by a variety of course assignments throughout the program and especially in the design courses, wherein students are exposed to a number of design software programs widely used in the engineering industry.

Beyond the basic core curriculum, the Mechanical Engineering courses are grouped into five major area streams: thermal and fluid systems, mechanical systems, mechanics and materials, dynamic systems, and engineering design. The courses in each of these areas give students a foundation in the relevant engineering sciences with a strong orientation in design and extensive laboratory experience. The design curriculum culminates with a one-year (two-semester) capstone design course in which the students design and implement a full system or product, usually under industrial sponsorship.

Several undergraduate teaching laboratories provide extensive experimental apparatus for laboratory courses. The fluid mechanics laboratory, heat transfer laboratory, solid mechanics laboratory, dynamic systems laboratory, and controls and robotics laboratory are all well equipped with the latest tools and equipment for experimentation, data acquisition, post processing, and analysis. The College of Engineering provides several computer labs running a variety of standard design and analysis software packages, including Algor FEA modules, PTC's Pro/Engineer and Pro/Mechanica, MSC Software's ADAMS, and MathWorks' MATLAB.

Program Educational Objectives

Consistent with the missions of Florida State University, Florida A&M University, and the College of Engineering, and in accordance with the Accreditation Board for Engineering and Technology (ABET) criteria, the department has developed the following program educational objectives. We expect our graduates in the first five years upon graduation from our program to:

- make career progress in industrial, research, or graduate work in mechanical engineering or allied fields
- design and analyze devices, products, or processes that meet the needs of an employer, organization, or customer, based on sound scientific knowledge and engineering practices
- become engineering professionals by engaging in professional activities and continuous self-development
- function in multicultural and multidisciplinary environments across regional and national borders

Program Outcomes

After completing the mechanical engineering program, graduates should have the following attributes:

- an ability to apply knowledge of mathematics, calculus based science and engineering to mechanical engineering problems
- an ability to design and conduct experiments, as well as to analyze and interpret data
- an ability to design thermal and mechanical systems, components, or processes to meet desired needs
- 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 with written, oral, and visual means
- the broad education necessary to understand the impact of engineering solutions in a global and societal context, and a knowledge of contemporary issues
- a recognition of the need for, and the ability to engage in life-long learning
- an ability to use modern engineering techniques, skills, and computing tools necessary for engineering practice

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in mechanical engineering satisfy this requirement by earning a grade of "C-" or higher in EML 3002C.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. MAC X311 or MAC X281
2. MAC X312 or MAC X282
3. MAC X313 or MAC X283
4. MAP X302 or MAPX305
5. CHM X045/X045L or CHM X045C, or CHS X440 and CHM X045L
6. PHY X048/X048L or PHY X048C, or PHY X043 and PHY X048L
7. PHY X049/X049L or PHY X049C, or PHY X044 and PHY X049L

Core Program

A candidate for the Bachelor of Science (BS) in mechanical engineering is required to successfully complete the following engineering core courses (in addition to the mechanical engineering curriculum):

CHM 1045	General Chemistry I (3)
CHM 1045L	General Chemistry I Laboratory (1)
EEL 3003	Introduction to Electrical Engineering (3)
EGN 1004L	First Year Engineering Laboratory (1)
MAC 2311	Calculus with Analytical Geometry I (4)
MAC 2312	Calculus with Analytical Geometry II (4)
MAC 2313	Calculus with Analytical Geometry III (5)
MAP 3305	Engineering Mathematics I (3) or MAP 2302 Ordinary Differential Equations (3)
PHY 2048C	General Physics A (5)
PHY 2049C	General Physics B (5)

Students must earn a minimum grade in the "C" range in each of the college core courses, as well as the required and technical elective courses below. Students must meet the minimum overall grade point average (GPA) under the general requirements of the University. Students also must meet the prerequisite requirements specified by the College of Engineering. Please refer to the "College of Engineering" chapter in this *General Bulletin* for the specific college-level requirements.

Students are urged to obtain the most current information on the mechanical engineering requirements from their advisers or from the student affairs coordinator.

Mechanical Engineering Curriculum

Key features of the curriculum in mechanical engineering include the integration of relevant topical material, integration of engineering design with engineering science, the introduction to engineering design at an early stage in the curriculum, and the use of cooperative learning methodologies. The curriculum is in keeping with current trends in engineering education, industry expectations and needs, and the ABET 2003 accreditation guidelines.

The following core courses comprise the mechanical engineering curriculum:

EML 3002	Mechanical Engineering Tools (2)
EML 3002L	Mechanical Engineering Tools Lab (3)
EML 3004	Introduction to Mechanical Engineering (3)
EML 3011C	Mechanics and Materials I (4)
EML 3012C	Mechanics and Materials II (3)
EML 3013C	Dynamic Systems I (4)
EML 3014C	Dynamic Systems II (2)
EML 3015C	Thermal-Fluids I (4)
EML 3016C	Thermal-Fluids II (4)
EML 3017C	Mechanical Systems I (4)
EML 3018C	Mechanical Systems II (4)
EML 3234	Materials Science and Engineering (3)
EML 3811	Mechatronics I (2)
EML 4304L	Thermal-Fluids Lab (3)
EML 4550	Engineering Design Methods (3)
EML 4551C	Senior Design Project I (3)
EML 4552C	Senior Design Project II (3)
XXX XXXX	Math Option (3)
XXX XXXX	Technical Electives (12)

Technical electives are generally intended to develop depth in an area of interest and should form a coherent area of concentration. A minimum of three technical electives (nine semester hours) must be in the Department of Mechanical Engineering.

The math option is intended to provide additional math expertise oriented toward various areas of engineering. Students must choose from the following list of approved classes: MAP 3306 or STA 3032, Alternates: MAD 3401, MAD 3703, MAP 4341 or MAS 3105.

EML 3004 includes a math/physics test based on the material covered in Calculus I, Calculus II, and Physics I. Students may take this test at any time before or during their enrollment in EML 3004.

Honors in the Major

The Department of Mechanical Engineering offers a program in honors in mechanical engineering to encourage talented juniors and seniors to undertake independent and original research as a part of the undergraduate experience. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Five-Year Combined BS-MS Program

The department offers a five-year combined undergraduate-graduate program leading to the Bachelor of Science (BS) and Master of Science (MS) degrees. The objective of this program is to produce, in five years of full-time study, an engineer who is fully qualified to enter into professional practice in industry. Students begin taking core graduate courses in their fourth year. Successful completion of the fourth year of the five-year curriculum will give the student enough credit and breadth of subject matter to satisfy university requirements for the BS degree, should individual circumstances arise that preclude a student from taking the fifth year. This program also includes a Summer internship in industry between the fourth and fifth years.

Admission to the dual degree program is open to juniors who have attained a GPA of 3.2 in the mechanical engineering curriculum and whose applications are reviewed by a faculty committee. Applicants are normally invited in the Spring, during the second semester of the students' junior year, for Fall entry. Details on the curriculum may be obtained from the Mechanical Engineering Department Office.

Definition of Prefixes

EGM	—Engineering Science
EGN	—Engineering: General
EMA	—Materials Engineering
EML	—Engineering: Mechanical

Undergraduate Courses

EML 3512. Engineering Mechanics (4). Prerequisites: MAC 2312 and PHY 2048. Corequisite: MAC 2313. This course covers statics and dynamics of particles and rigid bodies using vector analysis, free body diagrams, equilibrium of particles and rigid bodies, particle and general rigid body motion, work/energy, and impulse and momentum methods.

EMA 4225. Mechanical Metallurgy (3). Prerequisite: EML 3012C. This course focuses on tensile instability, crystallography, theory of dislocations, plasticity, hardening mechanisms, creep and fracture, electron microscopy, composite materials.

EML 4501. Optical and Electron Microscopy (3). Prerequisite: EML 3012C or instructor permission. This course covers fundamentals and techniques of optical and electron microscopy as applied to the determination of physical, chemical, and structural properties of materials and materials behavior in practice.

EML 3002. Mechanical Engineering Tools (2). Prerequisites: MAC 2311 and PHY 2048C. Corequisite: EML 3002L. This course is an introduction to thermal-fluid engineering necessary to understand the principles of operation of the engine built and modeled in the laboratory course.

EML 3002L. Mechanical Engineering Tools Lab (3). Prerequisites: MAC 2311 and PHY 2048C. Corequisite: EML 3002. This course covers computer aided design and drafting, programming, machining, and a basic introduction to the mechanical engineering profession and ethics. Course includes building and testing a simple Stirling engine.

EML 3004. Introduction to Mechanical Engineering (3). Prerequisites: MAC 2312 and PHY 2048C. This course covers the application of calculus and physics to engineering problems, statics, and a basic introduction to engineering design and analysis.

EML 3011C. Mechanics and Materials I (4). Prerequisites: CHM 1045, CHM 1045L, EML 3002C, EML 3004C, MAC 2313, and PHY 2048C. This course is the first part of a two-part sequence, integrating concepts of mechanics and principles of materials. It provides the student with a broad based introduction to and understanding of the application of materials in structural design, the processing of mechanical components, and the manufacture of high technology products.

EML 3012C. Mechanics and Materials II (3). Prerequisites: EML 3011C and PHY 2049C. Corequisite: EML 3234. This course is the second part of a two-part sequence, integrating mechanics and principles of materials science. Emphasis is on measurement techniques and experimental methods in solid mechanics and materials science. Topics covered include tensile, impact, torsion, fatigue and combined loading; beams in bending; structures of steel; and other concepts learned in mechanics of materials and materials science. This course also gives the students an insight into technical report writing techniques.

EML 3013C. Dynamic Systems I (4). Prerequisites: EML 3002C and EML 3004C. Corequisite: MAP 3305. This course is the first part of an integrated sequence in dynamics, vibrations, and controls. Material in this first course includes the following: absolute and relative motion of particles and rigid bodies in inertial, translating, and rotating coordinate frames; derivation and computer solution of differential equations of motion; single degree of freedom vibrations and elementary feedback control.

EML 3014C. Dynamic Systems II (3). Prerequisite: EML 3013C. This course is the second part of an integrated sequence in dynamics, vibrations, and controls. Material in this second course includes the development of the equations of motion for translational and rotational mechanical systems, electrical systems, and electromechanical systems; system response using standard differential equation solution techniques and Laplace transforms; frequency response and impedances; linearization of nonlinear system models; and block diagrams and feedback control strategies.

EML 3015C. Thermal-Fluids I (4). Prerequisites: EML 3013C and MAC 2313. This course is the first of a two-part sequence presenting an integrated treatment of traditional topics on thermodynamics, fluid mechanics, and heat transfer. The essential role of each of these related elements and their connections is examined in the context of real-world systems. Materials covered include: first and second laws of thermodynamics; power and refrigeration cycles; heat transfer modes including steady and time dependent conduction, convection, and radiation; fluid statics; mass momentum and energy conservation; Bernoulli's equation; internal and external flows.

EML 3016C. Thermal-Fluids II (4). Prerequisite: EML 3015C. Corequisite: EML 4304L. This course is the second of a two-part sequence presenting an integrated treatment of traditional topics on thermodynamics, fluid mechanics, and heat transfer. The essential role of each of these related elements and their connections is examined in the context of real-world systems.

EML 3017C. Mechanical Systems I (4). Prerequisites: EML 3011C, EML 3013C, and MAP 3305. This course is the first in a sequence of two courses intended to provide the essential tools for the design and analysis of mechanical systems. Emphasis is on linkages; constraints and degrees of freedom; position, velocity, and acceleration analysis; cams, gears, and gear trains, static and dynamic analysis; computer simulations and models of components and systems; team class projects involving dissection of existing machines and design and manufacture of new mechanical systems.

EML 3018C. Mechanical Systems II (4). Prerequisites: EML 3012C and EML 3017C. This course is the second in a sequence of two courses intended to provide the essential tools for the design and analysis of mechanical systems. Emphasis is on materials; stress analysis; shaft design; bearings and lubrication; fasteners and connectors; joints; clutches, brakes, couplings, and flywheels; flexible elements; shafts; computer simulations and models of components and systems; team class projects involving dissection of existing machines and design and manufacture of new mechanical systems.

EML 3050. Analytical Tools in Mechanical Engineering (3). Prerequisites: EML 3002C, EML 3004C, and MAP 3305. Corequisites: EML 3011C and 3013C. This course explores mathematical and numerical tools relevant to practical applications in mechanical engineering, as well as modeling of real physical systems using mathematical formulation. Subjects include Fourier Series and Integrals; Fourier Transform and energy spectrum; solution of partial differential equations using separation of variables, finite difference of methods, and finite element methods; and numerical interpolation and integration.

EML 3100. Thermodynamics (2). Prerequisites: CHM 1045, MAC 2312, and PHY 2048. This course discusses the fundamentals of thermodynamics. System description, common properties. Properties of pure substances. Mathematical foundations. First and Second Laws of Thermodynamics, closed and open systems. Equations of state and general thermodynamic relations. For non-mechanical engineering majors.

EML 3234. Materials Science and Engineering (3). Prerequisite: CHM 1045. This course includes concepts of materials science and their relevance to engineering design. Recent advances in engineering materials science.

EML 3811. Mechatronics I (2). Prerequisites: MAC 2312 and PHY 2049. This course is an introduction to Mechatronics through lab experience of interfacing mechanical and electrical systems. Focus is on embedded controllers (Motorola HCS12) and their programming, power and interfacing, electronics, actuators, sensors, and integration of these components to create a complete functional mechatronic system. Instruction and practical exercises are in: microcontroller programming; interfacing microcomputers with sensors and actuators; hybrid (analog/digital) design; digital logic and analog circuitry; data acquisition and control; microcomputer architecture, assembly language programming; signal conditioning, filters, analog-to-digital and digital-to-analog conversion.

EML 3949. Cooperative Work Experience (0). (S/U grade only.) This non-credit, experiential learning course offers students an opportunity to gain “real world” on-the-job work experience related to a specific academic field of study. Students must register for this course through the FSU Career Center.

EML 4161. Cryogenics (3). Prerequisites: EML 3012C and EML 3016C. This course focuses on the fundamental aspects of cryogenic system engineering: properties of materials and fluids at low temperatures; cryogenic heat transfer and fluid dynamics; low temperature refrigeration and system engineering.

EML 4288. Vehicle Design (3). Prerequisites: EML 3014C and EML 3018C. This introductory course in vehicle design emphasizes vehicle dynamics. Content covers the primary performance related features of vehicle design (suspension, steering, chassis, and tires). Using the latest industry-standard software, the course examines various design parameters that influence vehicle performance and handling.

EML 4304L. Thermal-Fluids Laboratory (3). Prerequisites: EML 3012C and EML 3015C. Corequisite: EML 3016C. This engineering laboratory explores measurements in fluid and thermal applications, including basic concepts for design of experiments, measurement devices, and their performance characteristics; measurement of fluid and thermal properties, pressure, velocity, and temperature; calibration procedures; experiments in fluid flow and heat transfer; design of engineering experimental systems; laboratory work, report writing.

EML 4312. Design and Analysis of Control Systems (3). Prerequisite: EML 3014C. This course focuses on mathematical modeling of continuous physical systems. Frequency and time domain analysis and design of control systems. State variable representations of physical systems.

EML 4316. Advanced Design and Analysis of Control Systems (3). Prerequisite: EML 4312. This course emphasizes design of advanced control systems (using time and frequency domains). Implementation of control systems using continuous (operational amplifier) or digital (microprocessor) techniques are addressed and practiced.

EML 4421. Fundamentals of Propulsion Systems (3). Prerequisite: EML 3016C. This course is an analysis of the performance of propulsion systems using fundamental principles of thermodynamics, heat transfer, and fluid mechanics. Systems studied include turbojet, turbofan, ramjet engines, as well as piston type internal combustion (IC) engines.

EML 4450. Energy Conversion Systems for Sustainability (3). Prerequisites: EML 3016C and senior standing in engineering. This course presents the challenge of changing the global energy system so it addresses reducing dependence on finite fossil energy sources and moving to environmentally sustainable energy sources. The emphasis is on greenhouse gas emissions-free energy production strategies, including renewable energy sources such as solar, wind and biomass. Topics include photovoltaic cells, fuel cells, and thermoelectric systems.

EML 4452. Sustainable Power Generation. (3). Prerequisites: EML 4450 or EML 5451. This course is a continuation of energy-conversion systems for sustainability and focuses on solar electricity, biopower, biofuels, and hydrogen as energy media. The course also explores whether hydrogen-based transportation is a practical option.

EML 4501. Machine Design (3). Prerequisite: EML 3018C. This course focuses on the design of mechanical systems and the components needed for their operation. Emphasis is placed on fasteners and connectors; joints; clutches and brakes; couplings and flywheels; flexible elements; shafts; machine dynamics; computer simulations and models of components and systems; team class projects involving the design and manufacture of mechanical systems.

EML 4512. Thermal-Fluid Design (3). Prerequisite: EML 3016C. This course is intended to develop the student's awareness and understanding of the relationship between fluid mechanics, thermodynamics, and heat transfer in consideration of design. Emphasis is placed upon energy systems components such as heat-exchangers, piping networks, and pumps. Includes a student project.

EML 4535C. Computer Aided Design (CAD) (3). Prerequisite: EML 3018C. This course is an introduction to the theory and practice of computer-aided design: computer graphics, homogeneous transformations; parametric solid modeling, optimization, finite element analysis.

EML 4536. Design Using FEM (3). Prerequisite: EML 3018C. This course explores the Finite Method - what it is; elementary FEM theory; structures and elements; trusses, beams, and frames; two-dimensional solids; three-dimensional solids; axisymmetric solids; thin-walled structures; static and dynamic problems; available hardware and software; basic steps in FEM analysis; pre/post processing; interpretation of results; advanced modeling techniques; design optimization; advanced materials using FEM.

EML 4542. Materials Selection in Design (3). Prerequisites: EML 3012C and senior standing in mechanical engineering. This course examines the selection and application of materials predicated on material science and engineering case studies covering most engineering applications.

EML 4550. Engineering Design Methods (3). Prerequisites: EML 3012C, EML 3014C, EML 3016C, and EML 3018C. Corequisite: EML 4551C. This course is a formal lecture component of the mechanical engineering “capstone” senior design course project. The course covers the product design cycle from problem identification and need assessment, to specification, concept generation and selection, preliminary design, materials selection, and final design. The design process is placed in context by presenting topics such as legal and ethical issues, product reliability and liability considerations, engineering economics, and optimal design.

EML 4551C. Senior Design Project I (3). Prerequisites: EML 3012C, EML 3014C, EML 3016C, and EML 3018C. Corequisite: EML 4550. This course is the first in a two-part course sequence presenting an integrated system design approach for engineering product realization. Course blends the perspectives of market research and planning, design cycle, project management and teamwork, and technical reporting. This is the “capstone” course for mechanical engineering students. This course offers weekly sessions in which teams are coached during the different phases of the project, plus frequent and extensive design reviews. This course is structured to closely resemble “on the job” engineering education.

EML 4552C. Senior Design Project II (3). Prerequisites: EML 4550 and EML 4551C. This course is the second part of the engineering design systems course. The material covered is a continuation of topics in the first part and the completion of a student-designed product.

EML 4711. Introduction to Gas Dynamics (3). Prerequisite: EML 3016C. This course is a thorough one-dimensional treatment of compressible flows and applications to nozzle, diffuser, sound waves, tunnel, and shock tube flows.

EML 4800. Introduction to Robotics (3). Prerequisite: EML 3014C. Corequisite: EML 4535C. This course explores the basic elements of a robot, robot actuators, and servo control; sensors, senses, vision, and voice; microprocessor system design and computers; kinematic equations; motion trajectories.

EML 4830. Introduction to Mobile Robotics (3). Prerequisite: Instructor permission. This course covers the following topics: analytical dynamic modeling and dynamic simulation of mobile robots; mobile robot sensors; basic computer vision methods; Kalman filtering and mobile robot localization; basic mapping concepts; path planning and obstacle avoidance; intelligent control architectures.

EML 4905r. Directed Individual Study (1–3). Prerequisites: Junior standing and a “B” average in mechanical engineering courses. May be repeated to a maximum of twelve semester hours.

EML 4930r. Special Topics in Mechanical Engineering (1–4). Prerequisite: Instructor permission. This course explores topics in mechanical engineering with emphasis on recent developments. Content and credit varies. May be repeated within the same term to maximum of twelve semester hours.

EML 4945r. Practical Work in Mechanical Engineering (1–3). (S/U grade only.) Prerequisite: Adviser permission. May be repeated to a maximum of three semester hours.

EML 4970r. Honors Work (3). Prerequisite: Acceptance into honors program. This course includes participation in a supervised research project and the production of a thesis describing the results of that work. May be repeated to a maximum of six required semester hours.

Graduate Courses

- EGL 5444. Advanced Dynamics (3).
- EGL 5611. Introduction to Continuum Mechanics (3).
- EGL 5653. Theory of Elasticity (3).
- EGL 5810. Viscous Fluid Flows (3).
- EGL 6845. Turbulent Flows (3).
- EGN 5456. Introduction to Computational Mechanics (3).
- EMA 5226. Mechanical Metallurgy (3).
- EMA 5514. Optical and Electron Microscopy (3).
- EML 5060. Analysis in Mechanical Engineering (3).
- EML 5061. Analysis in Mechanical Engineering II (3).
- EML 5072. Applied Superconductivity (3).
- EML 5103. Advanced Engineering Thermodynamics (3).
- EML 5152. Fundamentals of Heat Transfer (3).
- EML 5155. Convective Heat and Mass Transfer (3).
- EML 5162. Cryogenics (3).
- EML 5311. Design and Analysis of Control Systems (3).
- EML 5317. Advanced Design and Analysis of Control Systems (3).
- EML 5361. Multivariable Control (3).
- EML 5422. Fundamentals of Propulsions Systems (3).
- EML 5451. Energy Conversion Systems for Sustainability (3).
- EML 5453. Sustainable Power Generation (3).
- EML 5537. Design Using FEM (3).
- EML 5543. Materials Selection in Design (3).
- EML 5709. Fluid Mechanic Principles with Selected Applications (3).
- EML 5710. Introduction to Gas Dynamics (3).
- EML 5725. Introduction to Computational Fluid Dynamics (3).
- EML 5802. Introduction to Robotics (3).
- EML 5831. Introduction to Mobile Robotics (3).
- EML 5905r. Directed Individual Study (1–6). (S/U grade only.)

- EML 5910r. Supervised Research (1–5). (S/U grade only.)
 EML 5930r. Special Topics in Mechanical Engineering (1–6).
 EML 5935r. Mechanical Engineering Seminars (0). (S/U grade only.)
 EML 5946. Professional Internship Experience in Mechanical Engineering (4).
 EML 6365. Robust Control (3).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

MEDICINE

COLLEGE OF MEDICINE

Web Page: <http://med.fsu.edu/>

Department of Biomedical Sciences-Chair: Richard Nowakowski; **Professors:** Blaber, Diaz, Galasko, Hurt, Levenson, Nowakowski, Ouimet, Overton, Patrick, Romrell; **Associate Professors:** Arbeitman, Blackmon, Horabin, Kabbaj, Kato, Laywell, C. Lee, Megraw, Olcese, Stefanovic, Wang, Zhou; **Assistant Professors:** Cappendijk, Gunjan, Kaplan, Kumar, Paik, Pinto, VanLandingham; **Eminent Scholar:** Bhide; **Assistant Scholar Scientist:** Bienkiewicz; **Assistant in Medicine:** Kao; **Associate in Medicine:** Didier
Department of Clinical Sciences-Interim Chair: Ricardo Gonzalez-Rothi; **Professors:** Berg, Bertolette, Bland, Bradley, Gonzalez-Rothi, Hartsfield, Maitland, Muszynski, Watson, Wetherby; **Associate Professors:** Appelbaum, Danforth, Stavros; **Assistant Professors:** Giannini, K. Lee, Parsley
Department of Family Medicine and Rural Health-Chair: Daniel Van Durme; **Professors:** Beitsch, G. Bellamy, Dunn, Fogarty, Littles, McLeod, Stine, Van Durme; **Associate Professors:** Baker, Brown, K. Campbell, R. Campbell, Harrison, Rodriguez; **Assistant Professors:** Blackburn, Caretta, Johnson, Myers, Quintero, Saunders, Tsilimingras; **Associates in Medicine:** Aubrey, Clark; **Assistants in Medicine:** Geletko, LaJoie
Department of Geriatrics-Chair: Kenneth Brummel-Smith; **Professors:** Brummel-Smith, Granville, Kapp, Lloyd, Pomidor; **Associate Professors:** Agens, Suchak; **Assistant Professors:** Terracciano, Turner
Department of Medical Humanities and Social Sciences-Chair: Janine Edwards; **Professors:** Edwards, Glueckauf, Rost; **Associate Professor:** Flynn, Gerend, Hayes, Reyes; **Assistant Professors:** Bernat, Driscoll, Gabriel, Nair-Collins, Painter, Rosado, Sutin; **Assistant In:** Sualdea

The Florida State University College of Medicine, in partnership with local communities, provides a four-year program of study leading to the Doctor of Medicine (MD) degree. The college is fully accredited by the Liaison Committee on Medical Education of the Association of American Medical Colleges and the American Medical Association. The mission of the College of Medicine is to educate and develop exemplary physicians who practice patient-centered health care, who discover and advance knowledge, and who are responsive to community needs, especially through service to elder, rural, and other medically underserved populations.

For complete details of degree requirements, plus a description of the college and its services, refer to the "College of Medicine" chapter of this *General Bulletin*.

Definition of Prefixes

- BCC**—Basic Clinical Clerkship
BMS—Basic Medical Sciences
GMS—Graduate Medical Sciences
IHS—Interdisciplinary Health Sciences
MDE—Medical Electives

Undergraduate Courses

BMS 4901r. Directed Individual Study in Biomedical Sciences (1–3). (S/U grade only.) Prerequisite: Instructor permission. This directed individual study course in biomedical sciences offers a unique opportunity for undergraduate students to perform research in the biomedical science laboratories in the College of Medicine. Students perform special supervised study or research in the area of the faculty member's research. An oral presentation and a final report of the research in the format of a short scientific publication is required.

IHS 4904r. Directed Individual Study in Health Sciences (1–4). Prerequisite: Instructor permission. Corequisite: Must have an overall 3.0 GPA. This course is for undergraduate students who wish an individualized research experience in the Medical Humanities and Social Sciences, Public Health, or other fields represented in the College of Medicine. Students receive training in research methods and improve their readiness for and appreciation of research in health-related science. May be repeated to a maximum of fifteen semester hours.

Doctor of Medicine (MD) Courses

First Year Courses

- BMS 6015.** Doctoring 101 (3). (P/F grade only.)
BMS 6016. Doctoring 102 (5). (P/F grade only.)
BMS 6017. Doctoring 103 (5). (P/F grade only.)
BMS 6110C. Clinical Microscopic Anatomy and Laboratory (4). (P/F grade only.)
BMS 6115C. Clinical Anatomy, Embryology and Imaging (10). (P/F grade only.)
BMS 6204r. Medical Biochemistry and Genetics (5). (P/F grade only.)
BMS 6511. Organ Physiology (6). (P/F grade only.)

- BMS 6706C. Clinical Neuroscience (6). (P/F grade only.)
 BMS 6930r. Special Topics in Medicine (2). (P/F grade only.)
 BMS 6940. Internship/Practicum/Clinical Practice (1). (P/F grade only.)

Second Year Courses

- BMS 6060. Health Issues in Medicine II (2). (P/F grade only.)
 BMS 6301. Medical Microbiology 201 (3). (P/F grade only.)
 BMS 6302. Medical Microbiology 202 (2). (P/F grade only.)
 BMS 6401. Medical Pharmacology 201 (3). (P/F grade only.)
 BMS 6402. Medical Pharmacology 202 (4). (P/F grade only.)
 BMS 6601. Pathology 201 (6). (P/F grade only.)
 BMS 6602. Pathology 202 (7). (P/F grade only.)
 BMS 6821. Medicine and Behavior I (2). (P/F grade only.)
 BMS 6822. Medicine and Behavior II (2). (P/F grade only.)
 BMS 6831. Doctoring 201 (7). (P/F grade only.)
 BMS 6832. Doctoring 202 (7). (P/F grade only.)
 BMS 6900. Directed Individual Study in Biomedical and Clinical Sciences (2-9). (S/U grade only.)

Year 1/2 Elective

- BMS 6824. Cross Cultural Medicine (2). (P/F grade only.)
 MDE 6041. Medical Spanish I (2). (P/F grade only.)
 MDE 6042. Medical Spanish II (2). (P/F grade only.)

Third Year Courses

- BCC 7112. Internal Medicine (8).
 BCC 7130. Obstetrics/Gynecology Clerkship (6).
 BCC 7140. Pediatrics Clerkship (6).
 BCC 7150. Psychiatry Clerkship (6).
 BCC 7160. Surgery Clerkship (8).
 BCC 7170. Community Medicine (3).
 BCC 7175. Clerkship in Family Medicine (6).
 BCC 7182. Doctoring 3 (6).

Fourth Year Required Clerkships

- BCC 7113. Advanced Internal Medicine Clerkship (4).
 BCC 7174. Primary Care Geriatrics (4).
 BCC 7176. Advanced Family Medicine Clerkship (4).
 BCC 7180. Emergency Medicine (4).

Fourth Year Electives

In the fourth year of study, the College of Medicine offers a wide variety of electives to help students develop skills in their specific areas of study and practice. Electives are available in the fields of family medicine, geriatrics, internal medicine, obstetrics/gynecology, pediatrics, psychiatry, surgery, and others. For a complete and current list of fourth year electives, please visit our Web site at <http://med.fsu.edu/userFiles/file/Electives2012-2013.pdf>.

MICROBIOLOGY:
 see Biological Science

Program in MIDDLE EASTERN STUDIES

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://mec.fsu.edu/>

Director and Adviser: Peter Garretson (History)

The Departments of Anthropology, Art History, Classics, Economics, English, History, Modern Languages and Linguistics, Music, Religion and Urban and Regional Planning offer an interdisciplinary major and minor in Middle Eastern studies at the undergraduate level. The program is designed for: (1) general liberal arts students who wish to learn more about the Middle East; (2) students who wish to pursue graduate work in this field; and (3) students who seek employment in or relating to the Middle East. The Middle East Center administers the major. A Bachelor of Arts (BA) in Middle Eastern studies responds directly to a national and regional demand for resources and information to educate students, professionals, and the surrounding community about this important region of the world. An increasing number of jobs are available nationally and throughout the world for those with expertise in the Middle East and its languages.

For more information, please refer to <http://mec.fsu.edu/>.

Admission

Students must complete fifty-two semester hours with an adjusted GPA of 2.0 on all University coursework and have completed at least half the required liberal studies hours or an AA degree.

Requirements for a Major in Middle Eastern Studies

Students majoring in Middle Eastern studies are to construct their study program, in consultation with an adviser, around three components in addition to the University requirement for liberal studies and electives. A total of fifty-four semester hours beyond the liberal studies requirement is required. A list of approved courses is available with the program advisers.

Major Components for a BA in Middle Eastern Studies

- Major requirement.** Students are to take a minimum of thirty-six semester hours from among those area-specific upper level courses listed for their major track. The hours should be distributed among at least three departments participating in the program.
- Middle East Survey requirement.** Students are required to take Middle East Survey (ASH 3230), a three semester hour course.
- Language requirement.** Fifteen semester hours of coursework are required in a relevant area language (Arabic, Hebrew, Turkish, or any other Middle Eastern language that might be offered on campus in the future). The hours must be focused upon one specific language.

Students are encouraged to bring their chosen language up to an effective level of proficiency in both reading and speaking by either taking additional coursework on the FSU campus or by participating in a semester or summer abroad program in their relevant cultural area as such programs are available. To encourage the achievement of language proficiency, language coursework hours taken beyond the fourth semester of foreign language requirement may be counted toward the required thirty-six hours for the major. A separate minor is not currently required for the Middle Eastern studies major, as a secondary area of major coursework constitutes a collateral minor.

State of Florida Common Program Prerequisites

The state of Florida has not identified common program prerequisites for this University degree program; however, students are encouraged to take lower level introductory courses in some of the related disciplines (e.g., culture/history courses relating to the Middle East) and to begin study in Arabic or Hebrew earlier so that they might be able to leave the program with the highest level of proficiency possible in their chosen language.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in Middle Eastern studies satisfy this requirement by earning a grade of "C-" or higher in CGS 2060, CGS 2064, CGS 2100, or EME 2040.

Minor in Middle Eastern Studies

Coordinating Committee: Peter Garretson (History; Committee Chair), Zeina Schlenoff (Modern Languages), David Levenson (Religion)

The Middle Eastern studies minor is concerned with the cultures of the Middle East from ancient times to the present. Utilizing the resources of a number of departments and programs, it allows the student to study the region from an interdisciplinary perspective. The minor can provide a Middle East focus for work in another discipline, can build a foundation necessary for advanced degrees in Middle Eastern studies, and can enable those planning to work in the region to gain a fuller understanding of its cultures.

Requirements for a Minor in Middle Eastern Studies

The minor will consist of fifteen semester hours and must include intermediate-level (2200 level) competence in Hebrew (biblical or modern), Arabic, or another Middle Eastern language approved by the committee. No more than eight semester hours of language courses may be counted toward the minor. No course taken for the minor may be used to fulfill any University language requirement. The remaining required hours must come either from the courses listed below or be approved by the coordinating committee.

Core Courses

Note: Course descriptions can be found in the chapter corresponding to the department in which each course is taught.

Art History

- ARH 3800 Methods of Art Criticism: Islamic Art (3)
- ARH 4118 Archaeology of Ancient Egypt (3)
- ARH 4173 Studies in Classical Art and Archaeology (3)

Classics

- CLT 3378 Ancient Mythology, East and West (3)

Economics

- ECS 4504 Economics of the Middle East (3)

Geography

- GEO 4930 Special Topics in Geography
- Note:** The required topic is: Middle East (3)

History

- AFH 4302 Northern African History: A Survey (3)
- ASH 1044 Middle Eastern History and Civilization (3) (*does not count towards MES degree, but is highly recommended)
- ASH 3200 History of the Ancient Near East (3)
- ASH 3230 Middle East Survey (3)
- ASH 4223 Modern Middle East (3)
- ASH 4261 Central Asia Since the Mongols (3)
- EUH 3420 Rise and Fall of Classical Civilization (3)

Note: ASH 3230 is a required course for all students majoring in Middle Eastern studies.

Modern Languages

- ARA 1120 Elementary Arabic I (4)
- ARA 1121 Elementary Arabic II (4)
- ARA 2220 Intermediate Arabic (4)
- ARA 2240 Conversational Arabic (3)
- FOL 3930 Experiments in Modern Language (3)
- Note:** The required topic is: Topics In Arabic (3)
- FRE 4930 Special Topics (3)

Note: The required topic is: Postcolonialism and Francophone Literatures (3)

- HBR 1102 Beginning Hebrew I (4)
- HBR 1103 Beginning Hebrew II (4)
- HBR 1120 Elementary Modern Hebrew I (4)
- HBR 1121 Elementary Modern Hebrew II (4)
- HBR 2220 Intermediate Modern Hebrew (4)
- HBR 2222 Intermediate Hebrew (4)

Political Science

- CPO 3403 Comparative Government and Politics: The Middle East (3)
- INR 4274 Studies in International Politics: The Middle East (3)
- INR 3084 Terror and Politics (3)

Religion

- REL 2210 Introduction to the Old Testament (3)
- REL 3363 The Islamic Tradition (3)
- REL 3600 The Jewish Tradition (3)
- REL 3936r Special Topics in Religion (1-3)
- REL 4203r Readings in Classical Hebrew Texts (1-3)
- REL 4323 Religions of the Ancient Near East (3)
- REL 4613 Modern Judaism (3)
- REL 4617 Judaism in the Graeco-Roman World (3)

Women's Studies

- WST 4930 Topics in Women's Studies (3)
- Note:** The required topic is: Women and Gender in Africa (3)

Related Courses

Note: The following courses require an adviser's approval.

Art History

- ARH 3800r Methods of Art Criticism (3)
- ARH 4151 Art and Archaeology of the Early Roman Empire (3)
- ARH 4210 Early Christian and Byzantine Art (3)

Classics

- CLA 4930 Special Topics in Classics (3-9)

English

- ENG 3310 Film Genres (3)
- ENG 4905 Directed Individual Study (1-3)
- Note:** The required topic is: Critical Theory of Globalization (1-3)
- LIT 4205 Literature of Human Rights (3)
- LIT 4233 Anglophone Postcolonial Literature (3)

History

- HIS 4930r Special Topics in History (3)

Humanities

- HUM 2937 Humanities Honors Seminar(3)
- Note:** The required topic is: Music of the Middle East (3)
- HUM 3324 Cultural Imperialism (3)
- HUM 3930 Humanities: Special Topics (1-3)

Music

- MUS 3934 Special Topics in Music (1-3)

Political Science

- INR 3004 Geography, History and International Relations (3)
- INR 4075 International Human Rights (3)
- INR 4078 Confronting Human Rights Violations (3)
- INR 4083 International Conflict (3)

Religion

- REL 3145 Gender and Religion (3)
- REL 3146 Gender and the Bible (3)
- REL 3293 Topics in Biblical Studies: Prophets (3)
- REL 3293r Topics in Biblical Studies (3)
- REL 4290r Undergraduate Biblical Studies Seminar (3)
- REL 4304 Undergraduate History of Religions Seminar (3)
- REL 4671 Gender and Judaism (3)

Urban and Regional Planning

- URP 4936 Special Topics in Urban and Regional Planning (3)
- Note:** The required topic is: Gender and Development (3)

Department of MILITARY SCIENCE

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://www.fsu.edu/~armyrotc/>

Professor: Lieutenant Colonel Gregory D. Allen

The military science department's Reserve Officers Training Corps (ROTC) program of instruction qualifies the student for a commission in the United States Army, Army National Guard, or United States Army Reserve. The curriculum does not provide technical training in a job specialty, nor does it emphasize vocational training; rather, it complements and provides a base for normal progression in the commissioned officers' educational program.

Leadership and management objectives are included in academic periods of instruction. Practical leadership experience is gained in a field training environment by attendance at a thirty-two-day summer camp, normally between the junior and senior years. Nursing students attend a nursing internship at Army hospitals following the normal summer camp. A leadership laboratory also provides experience in a range of leadership positions during the school year. The department offers both a four-year and a two-year program, each with its own special advantages. Students are invited to visit or write the Department of Military Science to obtain additional information.

Requirements

Please review all college-wide degree requirements summarized in the "College of Arts and Sciences" chapter of this *General Bulletin*.

Core Program

The program requires four years of military science courses, which consist of a two-year basic course and a two-year advanced course. Students can begin the four-year program as a freshman or as a sophomore.

There is also a two-year ROTC program for those students with only two years of college remaining. The two-year course is designed for junior college and other non-ROTC college transfer students, but may be utilized by students who did not enroll in the basic course outlined below. Graduate students may also qualify for enrollment in the two-year course. Additional information regarding eligibility requirements for the two-year program may be obtained by contacting the Department of Military Science.

Women are encouraged to enroll and will be commissioned as officers in the United States Army upon completion of the ROTC curriculum. Job opportunities for women in the Army are the same as those for men, excluding a few combat arms fields.

Basic Course

The basic course is normally taken as an elective subject by students in their freshman and sophomore years. The purpose of this instruction is to qualify students for entry into the advanced course by familiarizing them with the organization of the Army, military skills, and military tradition. Students do not incur any military obligation as a result of enrolling in the basic course. Enrollment in ROTC requires proof of a doctor's physical screening. Participation in regularly scheduled physical training is required. In addition to classroom instruction, a one and a half hour leadership laboratory period is required each week.

Advanced Course

Instruction in the advanced course includes leadership and management, the exercise of command, military teaching methods, tactics, logistics, administration, history, and military justice. Leadership experience and command experience are provided by assigning advanced course students as cadet officers and noncommissioned officers. Participation in regularly scheduled physical training is a required part of the leadership training. Classroom instruction consists of two one and a quarter hour (seventy-five minutes) periods and a one and a half hour (ninety minutes) leadership laboratory period each week. Only students who have demonstrated a definite potential for becoming competent officers will be selected for the advanced course.

Professional Military Education

In addition to basic and advanced ROTC courses, cadets must complete professional military education requirements consisting of one course in each of the following areas: written and oral communication skills, American military history, and computer literacy. Students should consult with the professor of military science to determine those University courses suitable for fulfilling these requirements.

Monetary Allowances

Cadets selected for admission into the advanced course qualify for a nontaxable monetary allowance of \$450–\$500 per month for up to twenty months. Cadets may also qualify for the simultaneous membership program with the United States Army Reserve or National Guard, which can provide over \$16,000 during the last two years of school. Both the United States Army Reserve and the National Guard offer additional monetary incentives for cadets who join their organizations.

Army ROTC College Scholarship Program

Financial assistance is available in the form of two-, three-, or four-year ROTC academic scholarships for selected students. Under the Army ROTC Scholarship Program, the students/cadets receive reimbursement for their tuition and fees. Additionally, Army scholarship recipients receive a flat-rate allowance of \$1200 per year for textbooks and other expenses and a \$300–\$500 per month stipend for up to 10 months per year. During the thirty-two-day advanced course summer training between the junior and senior years, Army ROTC also pays attending cadets \$29.82 per day plus room and board. There are also numerous national and organizational scholarships that students may compete for as members of Army ROTC.

Textbooks and Uniforms

All textbooks, uniforms, items of insignia, and equipment incident to membership in the Army ROTC Program are furnished by the Department of Military Science.

Minor in Military Science

A minor in military science is offered and may be selected by students with the approval of their major department and the Department of Military Science. Requirement for a minor is twelve semester hours of upper division coursework.

Special Activities

Throughout cadets' courses in ROTC, they will have the opportunity to join and participate in a number of military affiliated organizations and activities, both on a voluntary and a selective basis. **The Pershing Rifle Society** is a voluntary organization that functions as a military unit participating in military ceremonies and presenting the national colors at civic events. Cadets have the opportunity to qualify for and compete with cadets from other universities and colleges in a series of military events termed **Ranger Challenge**. Cadets may also join **Scabbard and Blade**, a military honor society comprising those cadets with qualifying grades that denote scholarship. Scabbard and Blade performs a number of community service projects each year.

Awards and Decorations

Awards and decorations made available by national organizations, Florida State University, and local and national military organizations are presented to both basic and advanced officer course cadets each year. These plaques, trophies, medals, and ribbons symbolize superior achievement in Army ROTC and other University academic courses, and outstanding campus and cadet corps leadership.

Prerequisite for Admission to the Professional Officer Course

1. Be at least seventeen years of age at time of acceptance;
2. Be able to complete the professional officer course and graduate from Florida State University prior to reaching the age of thirty at the time of commissioning (upper age limit can be waived);
3. Selection by the professor of military science and acceptance by the University;
4. Execute a written agreement with the government to complete the professional officer course and accept an Army ROTC commission;
5. Enlist in the Army Reserve Component-ROTC (terminated upon receiving an Army officer commission).

Those students enrolled in the four-year Army ROTC program must complete the basic course or its equivalent or have acceptable prior military service. Veterans and students with previous ROTC training are invited to write, visit, or call the Department of Military Science at (850) 644-8806 or (850) 644-1016 to discuss their eligibility status.

Students desiring entry into the two-year Army ROTC program should contact the Department of Military Science at the beginning of the Fall semester one academic year prior to the Fall semester in which they wish to enroll

in the professional officer course. This lead time is required to complete the application and a physical examination prior to enrollment in the professional officer course.

Leadership Laboratory

Leadership laboratory is open to students who are members of the Reserve Officer Training Corps or who are eligible to pursue a commission as determined by the professor of military science. Leadership laboratory is the formalized phase of leadership training conducted by the cadets. It is scheduled for one and one half hours (ninety minutes) each week for both the basic and advanced officer courses (non-contracted and contracted). All uniforms and equipment required for cadet activities are furnished.

Definition of Prefix

MSL—Military Science and Leadership

Undergraduate Courses

MSL 1001. Foundations of Officership (1). Corequisite: MSL 1001L. This course examines unique duties and responsibilities of officers, organization and role of the Army. Topics include fitness and communication, Army values and expected ethical behavior.

MSL 1001L. Foundations of Officership Laboratory (0).

MSL 1002. Basic Leadership (1). Corequisite: MSL 1002L. This course includes topics such as fundamental leadership concepts and doctrine, basic skills underlying effective problem solving, and the officer experience.

MSL 1002L. Basic Leadership Laboratory (0).

MSL 2101. Individual Leadership Studies (2). Corequisite: MSL 2101L. This course develops knowledge of self, self-confidence, individual leadership skills, problem solving and critical thinking skills, as well as communication feedback and conflict resolution skills.

MSL 2101L. Individual Leadership Studies Laboratory (0).

MSL 2102. Leadership and Teamwork (2). Corequisite: MSL 2102L. This course focuses on self-development, while incorporating the individual's knowledge of self, understanding of group processes, current beliefs, and skills.

MSL 2102L. Leadership and Teamwork Laboratory (0).

MSL 2940. Basic Field Internship (4). Prerequisites: Must pass the Army Physical Fitness Test (APFT) and have earned at least fifty-four semester hours at FSU with a 2.0 GPA. This course consists of an intensive internship conducted at Fort Knox, Kentucky, for four weeks. Designed as an alternative to meet requirements for entrance into the upper division of Military Science for students who have not completed introductory level coursework.

MSL 3201. Leadership and Problem Solving (3). Prerequisites: MSL 1001, MSL 1002, MSL 2101, MSL 2102, or instructor permission. Corequisite: MSL 3201L. This course examines skills that underlie effective problem solving. Students plan military missions and operations, and execute squad battle drills.

MSL 3201L. Leadership and Problem Solving Laboratory (0).

MSL 3202. Leadership and Ethics (3). Prerequisites: MSL 1001, MSL 1002, MSL 2101, MSL 2102, or instructor permission. Corequisite: MSL 3202L. This course focuses on topics such as leadership responsibilities that foster an ethical command climate and develop cadet leadership competencies. Students apply principles and techniques of effective written and oral communication.

MSL 3202L. Leadership and Ethics Laboratory (0).

MSL 4301. Leadership and Management (3). Prerequisite: MSL 3202 or instructor permission. Corequisite: MSL 4301L. This course allows students to discuss staff organization, functions, and processes, analyze counseling responsibilities and methods, and apply leadership and problem solving principles to a complex case study/simulation.

MSL 4301L. Leadership and Management Laboratory (0).

MSL 4302. Officership (3). Prerequisites: MSL 3202, MSL 4301, or instructor permission. Corequisite: MSL 4302L. This capstone course explores topics relevant to second lieutenants entering the Army, including legal aspects of decision making and leadership, as well as Army organization from the tactical to the strategic level.

MSL 4302L. Officer Leadership Laboratory (0).

MSL 4900r. Directed Individual Study (3). Prerequisite: Permission from a military-science professor. This course includes special supervised study/research with professor of military science dealing with emphasis on current issues relating to the profession of arms and national defense. May be repeated to a maximum of six semester hours.

Department of MODERN LANGUAGES AND LINGUISTICS

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://modlang.fsu.edu/>

Chair: William Cloonan; **Professors:** Cloonan, Fernandez, Galeano, Leparulo, Munro, Pietralunga, Sharpe, Walters; **Associate Professors:** Alvarez, Boutin, Cappuccio, Efimov, Gomariz, Gonzales, Lan, Leeser, Leushuis, Maier-Katkin, Poey, Reglero, Romanchuk, Sunderman, Uzendoski, Wakamiya, Zanini-Cordi; **Assistant Professors:** Howard, Lee, Rodgers, Rucker-Chang, Valisa, Wang, C. Weber; **Research Associate:** Schlenoff; **Associates in Modern Languages:** Feng, Gray; **Assistants in Modern Languages:** Awad, Brandl, Osborn

The Department of Modern Languages and Linguistics provides instruction in Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Portuguese, Russian, Turkish, and Spanish, with an emphasis on culture and literature as well as language. Several courses in linguistics are offered, in addition to courses in Brazilian, Chinese, French, German, Hispanic, Italian, Japanese, and Russian film, and courses in Chinese, French, German, Italian, Japanese, Russian, and Latin American literature in English translation. The literature in translation courses count toward the literature requirement in the liberal studies humanities area and may, in some cases, be accepted for major or minor credit (see individual course descriptions).

All students who intend to continue study of a language at Florida State University in which they have had previous experience (such as high school study or study abroad) must be placed into the appropriate course by the Department of Modern Languages. Students in French, German, and Spanish who continue with the same language must take the placement test before they enroll in a course in the department. Students in other languages must consult the department for the appropriate placement procedures before enrolling.

Degrees Offered

Bachelor of Arts (BA) degrees are offered in East Asian Languages and Cultures (Chinese and Japanese), French, French and Francophone Studies (temporarily suspended), German, Italian, Russian, and Spanish. All major programs, except for languages with a concentration in business, and French and Francophone Studies will also require a minor degree. Undergraduate minors are offered in Arabic Studies, Chinese, French, German, Hebrew, Italian, Japanese, Linguistics, Medieval Studies, Portuguese, Russian, Spanish, Strategic European Languages and Cultures (SELC), and World literature/World film. A minor in Middle Eastern studies is offered jointly by the Departments of Modern Languages and Linguistics, Religion, History, and Classics.

Graduate programs leading to the Master of Arts degree are available in French, German, Italian studies, Slavic languages and literatures (emphasis on Russian), and Spanish (emphasis on literatures and cultures, or linguistics). Programs leading to the Doctor of Philosophy degree are offered with French or Spanish as the major field of concentration. Concentrations in comparative and world literature, Italian, German, and Russian are available for the doctorate in humanities. For information on graduate programs, refer to the *Graduate Bulletin*.

Foreign Language Learning Center

The department offers a variety of electronic language learning systems and language media resources. It has two fully equipped computer labs where students may work on their language skills under an instructor's guidance, as well as a walk-in computer lab which they may use at their convenience. A film screening auditorium is available for film and culture classes and special events. The department develops and maintains the Virtual Language Lab, an online language resource site which offers students a wide variety of electronic media resources for the languages taught by the department. The department's video collection has over two hundred foreign films.

Winthrop-King Institute for Contemporary French and Francophone Studies

The Winthrop-King Institute for Contemporary French and Francophone Studies was created as a result of a generous bequest from the late Mrs. Ada Belle Winthrop-King. It is a center for interdisciplinary scholarship focusing on developments in France and the wider French-speaking world dating approximately from the French Revolution to the present, with a particular emphasis on contemporary issues. The institute offers a wide range of study abroad scholarships for students. Strongly interdisciplinary in outlook, the Institute brings together faculty from a variety of departments at Florida State and from universities throughout the world. It hosts leading scholars, artists

and public figures and sponsors a wide range of lectures, film screenings, conferences and other events addressing key social, cultural and political issues in France and other French-speaking regions.

Scholarships Offered

Ada Belle Winthrop-King Scholarships are offered on a competitive basis each year for language majors and minors in Arabic, Chinese, French, German, Italian, Japanese, Portuguese, Russian, and Spanish. For further information, please contact the department at (850) 644-2606.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in modern languages and linguistics satisfy this requirement by earning a grade of “C–” or higher in CGS 2060, CGS 2064, CGS 2100 or ISC 3313.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.fvc.org/fvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

East Asian Languages (Chinese and Japanese)

XXX XXXX: coursework in the language for six to twelve credit hours; students must demonstrate proficiency by testing or completion of a foreign language through the intermediate level. Which language is chosen depends upon the track/focus of the student. At FSU, the intermediate level would be either CHI X220 or JPN X220.

French

XXX XXXX: coursework in the language for six to twelve credit hours; students must demonstrate proficiency by testing or completion of the foreign language through the intermediate level. The intermediate level is FRE X220 or equivalent.

French and Francophone Studies (Temporarily Suspended)

Students must demonstrate proficiency by testing or completion of intermediate-level French.

German

XXX XXXX: coursework in the language for six to twelve credit hours; students must demonstrate proficiency by testing or completion of the foreign language through the intermediate level. The intermediate level is GER X220 or equivalent.

Italian

XXX XXXX: coursework in the language for six to twelve credit hours; students must demonstrate proficiency by testing or completion of the foreign language through the intermediate level. The intermediate level is ITA X220 or equivalent.

Russian

XXX XXXX: coursework in the language for six to twelve credit hours; students must demonstrate proficiency by testing or completion of the foreign language through the intermediate level. The intermediate level is RUS X220 or equivalent.

Spanish

XXX XXXX: coursework in the language for six to twelve credit hours; students must demonstrate proficiency by testing or completion of the foreign language through the intermediate level. The intermediate level is SPN X220 or equivalent.

College Requirements

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this *General Bulletin*.

Note: The department reserves the right to reassign or drop students who are enrolled in a course for which they have not taken the required prerequisites, or one that does not correspond to their linguistic abilities.

Honors in the Major

The Department of Modern Languages and Linguistics offers a program in honors in the major to encourage talented seniors to undertake independent and original research as part of the undergraduate experience. For requirements and other information, see the “University Honors Office and Honor Societies” chapter of this *General Bulletin*.

Major in a Language with Concentration in Business

A major in French, German, Italian, Spanish, or Russian with a concentration in business may be selected. The program consists of twenty-one semester hours in the language beyond the language requirement plus fifteen approved semester hours of core business courses and twelve approved semester hours in a specialized track of marketing, management, or finance in the College of Business. Students declaring a French with a concentration in business major may take one single French course taught in English with written work done in English to satisfy the requirements of the major. For students declaring Spanish with a concentration in business, linguistics (LIN) courses will not count for major credit. A major in Chinese or Japanese with a concentration in business requires eighteen semester hours of the selected language numbered above the 2220 level, plus twenty-seven hours in the business track. Of the twenty-seven hours, at least twelve approved semester hours must be taken of core business coursework, and at least nine approved semester hours in a specialized track of marketing, management, or finance. A maximum of six semester hours of CHI/JPN 3000-level courses in Business Chinese or Business Japanese may be substituted for required business courses in the twelve hour specialized track. No minor is required with a concentration in business. Students should consult with their language adviser for a list of appropriate courses. Students majoring in both Business and Language/Business should refer to the requirements below, under “Double Major”.

Co-Major in Modern Languages and Linguistics

The department offers an interdepartmental program in which students may choose approved co-majors from the following divisions: French, German, Italian, Russian, and Spanish. The co-major consists of twenty-one semester hours numbered above 1999 in each of two divisions selected. Students declaring a French co-major may take one single French course taught in English with written work done in English to satisfy the requirements of the major. For students declaring a Spanish co-major, linguistics (LIN) courses may count for major credit. A co-major in Chinese and Japanese consists of fifteen semester hours of each language numbered above 2220, plus twelve semester hours of CHT/JPT 3000-level coursework in culture and literature. Of the combined thirty Chinese/Japanese language coursework, at least six semester hours must be taken from two 4000-level courses in one language and three semester hours from a 4000-level course in the other language. The student should consult with the Chinese and Japanese advisers to select appropriate courses. One 2000-level course in either language chosen for all co-majors must be used to satisfy the arts and sciences language requirement. The student should consult with an adviser in each language division to select courses. No minor is required.

Double Major

Students pursuing more than one major must meet the program requirement of both majors, with the following exceptions: (1) a maximum of six semester hours may overlap, i.e. they may be counted toward two separate majors; and (2) no minor is required. Student majoring in both Business and Language/Business are allowed double counting of the five “core” courses, but are not allowed double-counting of any course in the selected specialized track.

Double Major in Modern Languages

A double major in two modern foreign languages may be approved in selected combinations. Please consult an adviser in each language for course advisement.

Requirements for a Major in Modern Languages and Linguistics

Note: A grade of “C–” or better must be earned in each course applied toward any major or minor degree earned in modern languages and linguistics. A grade of “C–” or better is required for students to advance to subsequent language levels. No courses may be taken on a satisfactory/unsatisfactory (S/U) basis except for language internships.

East Asian Languages and Cultures

The East Asian Languages and Cultures degree program offers five separate major tracks: Chinese language and culture (thirty hours), Japanese language and culture (thirty hours), co-major in Chinese and Japanese (forty-two hours), Chinese with a concentration in business (forty-five hours), and Japanese with a concentration in business (forty-five hours). The Chinese and Japanese language and culture majors require thirty semester hours numbered above 2220 including a minimum of six semester hours at the 4000-level. For the Chinese major, a maximum of nine semester hours from 3000-level courses in Chinese culture and literature may count toward the thirty semester hour requirement. The Japanese major will allow a maximum of nine semester hours in Japanese culture and literature to count toward the thirty semester hour requirement. Coursework should be selected by consultation with the Chinese or Japanese adviser in the language area of choice. For further information on requirements, visit <http://modlang.fsu.edu/>.

French Major

Thirty semester hours numbered above 2999 are required, including FRW 3100, 3101; FRE 3420, 3421, 3780 (or FRE 4410), 4422; and three additional 4000-level courses (nine semester hours), at least two of which (six semester hours) must be in literatures, cultures and/or societies of French expression. One 3000–4000 level French elective will complete the requirements. Students are also strongly advised to take the sequence FRW 3100–3101 concurrently with the grammar/composition sequence FRE 3420–3421. Any number of 3000–4000 level French courses taught in English with the written work done in French may count toward the major. Native speakers should register for courses numbered 3000 and above. Majors and minors are eligible for the Ada Belle Winthrop-King summer scholarships to Paris. For more information, please visit <http://modlang.fsu.edu/Divisions-and-Programs/French-Program>.

French and Francophone Studies Major (Temporarily Suspended)

Thirty-six semester hours numbered above 2999 are required in this interdepartmental program with history and art. Twenty-one semester hours of French and fifteen semester hours in either one or two fields related to French and francophone culture will be determined in consultation with the French adviser. The required French courses are FRE 3244, 3420, 3501; FRW 3100, 3101; and two additional 4000 level French courses. Students in this major may take one single French course taught in English with written work done in English to satisfy the requirements of the major. No minor is required. French and francophone studies majors are eligible for the Ada Belle Winthrop King Summer Scholarships to Paris. For more information, please visit <http://modlang.fsu.edu/Divisions-and-Programs/French-Program>.

German Major

Thirty semester hours numbered above 2999 are required, including GER 3400 and GER 3500. For students entering the major from GER 2220, GER 3400 is required to fulfill the composition component; students who enter with advanced proficiency take GER 4420. Students should consult with an adviser to ensure proper placement. Students should have a minimum of six semester hours of skills courses (e.g., GER 3310, GER 3400) and six semester hours of literature, film, and culture classes (e.g., GER 3500, GER 3930). A minimum of nine semester hours must be taken at the 4000 level. A maximum of six semester hours from among the following coursework may count toward the thirty semester hour requirement: GET 3130, GET 3524. For more information, please visit <http://modlang.fsu.edu/Divisions-and-Programs/German-Division>.

Italian Major

Thirty semester hours numbered above 2220 are required, including ITA 2240, 3420, 3421, at least one 3000-level literature course in Italian (ITW 3100, 3101), and a minimum of twelve semester hours at the 4000 level. A

maximum of six semester hours from among the following coursework may count toward the thirty semester hour requirement: ITT 3430, 3500, 3501, 3520, 3523r. For more information, please visit <http://www.modlang.fsu.edu/>.

Russian Major

Thirty semester hours numbered above 2220 are required, including RUS 2330, 3400, 3420, and at least twelve semester hours of RUS/RUW coursework at the 4000 level or above. Three semester hours at the 4000 level must be in Russian literature. A maximum of six semester hours from among the following coursework may count toward the thirty semester hour requirement: RUT 3110, 3504; LIN 3041, 4040; SLL 3500 and 3510. FOL 3930r may also be counted toward the major and minor in Russian. For more information, please visit <http://modlang.fsu.edu/Divisions-and-Programs/Slavic-Languages-Russian>.

Spanish Major

Thirty-six semester hours, distributed in the following manner, are required: SPN 2240 and eighteen semester hours of 3000 level courses including SPN 3300, 3400; SPW 3030; either SPN 3510 or SPN 3520; a departmental linguistics course (usually LIN 3041), and one additional 3000 level literature course. Heritage speakers must take SPN 3350 plus two additional 3000–4000 level Spanish courses instead of the required SPN 2240, SPN 3400 sequence. Required at the 4000 level are fifteen semester hours in SPN or SPW courses, including at least one senior seminar, (SPN 4540, SPN 4930 or SPW 4930). SPT 3130 will not count for major credit. For more information, please visit <http://www.modlang.fsu.edu/>.

Minor for Modern Languages Majors

Twelve to fifteen semester hours in an approved departmental field are required. If a second foreign language is selected as the minor, the twelve to fifteen semester hours must be earned in courses numbered above 1999. All courses must be taken for a letter grade, and a minimum grade of “C–” must be earned for all courses taken for the minor.

Requirements for a Minor in Linguistics

The undergraduate minor requires twelve semester hours in linguistics. See specific course requirements listed under “Interdepartmental Linguistics Minors.”

Note: Linguistics courses will NOT count toward both a major in Spanish and a minor in linguistics.

The graduate minor requires fifteen semester hours. See specific course requirements listed under “Interdepartmental Undergraduate and Graduate Minors.”

Requirements for a Minor in Modern Languages and Linguistics

Twelve semester hours in linguistics or in any one of the following languages are required: French, German, Italian, Portuguese, or Russian numbered above 1999. The Chinese minor requires twelve semester hours in courses numbered above CHI 1121. The Japanese minor requires twelve semester hours in courses numbered above JPN 1121. Spanish requires fifteen semester hours numbered above 2220 including three hours in Spanish literature. SPT 3130 will not count for minor credit. **Credit extended in meeting the foreign language requirement for graduation may not be used in satisfying the minor.** A certificate may be issued by the department upon successful completion of the minor requirements.

Requirements for a Minor in Arabic Studies

The minor requires eighteen semester hours, fifteen of which must be from Arabic language courses. The additional three hours may be selected from a list of approved interdepartmental courses related to the Middle East or North Africa. No course taken for the minor may be used for any University language requirement. At least nine of the eighteen semester hours must be earned at Florida State University. A list of approved courses may be obtained from the departmental undergraduate office, 364 DIF. A minimum grade of “C” must be earned for all courses taken for the minor. Directed Individual Study (DIS) hours are not applicable to the minor without prior approval from the Arabic adviser. A certificate may be issued by the department upon successful completion of the minor requirements.

Requirements for a Minor in Hebrew

The undergraduate minor in Hebrew consists of eighteen semester hours, at least fifteen of which must be Hebrew language courses. The remaining

three hours may be in any other Semitic language (Arabic, Aramaic and Syriac are currently taught at FSU). Students must demonstrate they have completed work in both Biblical and Modern Hebrew, reaching the Intermediate level in one. This will normally mean that they must take at least three hours of Biblical Hebrew and three hours of Modern Hebrew (note that these do not have to be taken as part of the minor). All courses in both Biblical and Modern Hebrew with a grade of “C–” or higher (no S/U grade will apply) can be counted toward the minor. No course counting toward any university language requirement may be counted for the minor. At least nine of the eighteen required hours must be taken at FSU. A list of approved courses may be obtained from the departmental undergraduate office, 364 DIF.

Requirements for a Minor in Medieval Studies

The undergraduate minor in medieval studies provides students focused, interdisciplinary training in the culture of the pre-modern era in the lands of Europe, both West and East, as well as the cultures of the Middle East. The minor will consist of fifteen semester hours beyond the liberal studies and major requirements. The selection of a pair of courses in one of the following fields of concentration provides a focus for the minor: medieval art history (two ARH courses from an approved list); medieval history (two EUH courses from an approved list); and medieval texts and cultures (one ENL and one modern languages course from an approved list). An approved course list is available from the Department of Modern Languages and Linguistics Undergraduate Office, 364 DIF, or from the Director of the Department of Modern Languages and Linguistics Medieval Studies Minor. Having established a concentration in one medieval field, the student then chooses three more courses from an approved list. These courses are to be distributed over two or three departments other than that of his/her concentration. Additional courses are certified on a semester-by-semester basis. Faculty members may send the director a description of a special topics course appropriate for the minor. Qualified students also may enroll in certified graduate-level courses for minor credit, with permission of the instructor; please contact the Department of Modern Languages and Linguistics Undergraduate Office or the director of the minor for details.

Requirements for a Minor in Middle Eastern Studies

A minor in Middle Eastern studies is concerned with the cultures of the Middle East from ancient times to the present. Utilizing the resources of various FSU departments and programs, it allows students to study the region from an interdisciplinary perspective. The minor can provide a Middle East focus for work in another discipline, build a foundation necessary for advanced degrees in Middle Eastern studies, and enable those planning to work in the region to gain an understanding of its cultures. The minor consists of fifteen semester hours and must include intermediate (2220 level) competence in Hebrew (biblical or modern), Arabic, or another Middle Eastern language approved by the committee. The remaining required hours must come either from the courses listed in the FSU *Bulletin* or be approved by an adviser. A minimum grade of “C” must be earned for all courses taken for this minor. No more than eight semester hours of language courses may be counted toward the minor, and no course taken for the minor may be used to fulfill any University language requirement. A list of approved courses may be obtained from the departmental undergraduate office, 364 DIF.

Requirements for a Minor in Strategic European Languages and Cultures (SELC)

The minor focuses on the languages and cultures of three historically and strategically linked regions that form an “arc” along the eastern edge of the EU: Russia and Ukraine, the Balkans, and Turkey. The minor consists of twelve approved semester hours taken in the Department of Modern Languages and Linguistics beyond liberal studies and major requirements. A list of approved courses may be obtained from the department undergraduate office, 364 DIF

Requirements for a Minor in World Literature/World Film

The minor will consist of fifteen semester hours. The student may select five courses from any of the following: CHT 3391r, 3930; FRT 3140, 3520r, 3561; GET 3130, 3524r; ITT 3430, 3523r; JPT 3391r; PRT 3391r; RUT 3110, 3523r; SPT 3130, 3391r. Courses taken for major credit in modern languages may not be counted toward this minor.

Definition of Prefixes

ARA—Arabic Language

CHI—Chinese

CHT—Chinese Literature in Translation

FOL—Foreign and Biblical Languages (e.g., Hebrew, Turkish)

FOW—Foreign and Biblical Languages, Comparative Literature (Writings)

FRE—French Language

FRT—French in Translation

FRW—French Literature (Writings)

GER—German

GET—German Literature in Translation

GEW—German Literature (Writings)

HBR—Modern Hebrew Language

ITA—Italian Language

ITT—Italian Literature in Translation

ITW—Italian Literature (Writings)

JPN—Japanese

JPT—Japanese Literature in Translation

KOR—Korean Language and Literature

LIN—Linguistics

POR—Portuguese Language

PRT—Portuguese in Translation

RUS—Russian Language

RUT—Russian Literature in Translation

RUW—Russian Literature (Writings)

SEC—Serbo-Croatian Language

SLL—Slavic Languages

SPN—Spanish Language

SPT—Spanish Culture in Translation or Translation Skills

SPW—Spanish Literature (Writings)

TUT—Turkish Culture in Translation or Translation Skills

All language and literature courses are taught primarily in the foreign language with the exception of courses in literature in translation and in film.

Undergraduate Courses

Note: Graduate students wishing to take courses at the 1000-4000 level must obtain permission of the instructor, the language coordinator for that course and the Modern Languages' associate chair for graduate studies.

Arabic

ARA 1120. Elementary Arabic I (4). This course is for students who have no previous knowledge of Modern Standard Arabic. The aim is basic proficiency in the four language skills: reading, writing, speaking, and listening. Basic vocabulary, sentence structure, grammar, and pronunciation in Modern Standard Arabic are introduced as well as one Arabic dialect. This course follows a communicative approach. It enables students to put the language they are learning into actual use. May not be taken concurrently with ARA 1121 and/or 2220 or by native speakers.

ARA 1121. Elementary Arabic II (4). Prerequisite: ARA 1120. This course introduces extended vocabulary and grammar, and basic conversation is emphasized. Students start conversing in spoken Arabic as well as reading and writing in Modern Standard Arabic. This course also develops the students' knowledge of Arab culture. May not be taken concurrently with ARA 1120 and/or 2220 or by native speakers.

ARA 2220. Intermediate Arabic (4). Prerequisite: ARA 1121. Students in this course should have taken two semesters of Arabic in college or the equivalent. This course solidifies knowledge of basic grammar and expands the students' vocabulary. It emphasizes reading and writing in formal Arabic, as well as listening and speaking in Colloquial. Students participate in cultural activities, write compositions, and give oral presentations in class. May not be taken concurrently with ARA 1120 and/or 1121.

ARA 2240r. Intermediate Conversation (3). Prerequisite: ARA 2220 or instructor permission. This course focuses on a practical communicative approach in order to use Arabic in meaningful contexts. It provides a bridge between Classical and Colloquial Arabic. Students are introduced to authentic Spoken Arabic and learn the language of everyday life. A variety of original texts, video clips and audio tapes are used in class to give students a better understanding of the Arab world. May be repeated to a maximum of six semester hours.

ARA 3222. Mid-Intermediate Arabic (3). Prerequisite: ARA 2220 or higher. This course is designed for students who have had three semesters of Arabic language or equivalent learning experience. This course aims to develop students' Arabic proficiency in reading and writing while focusing on grammar, composition, and vocabulary building. May be taken concurrently with ARA 2240.

ARA 4421. Media Arabic (3). Prerequisite: ARA 2220 or higher. This course introduces students to the Arabic language, the Arab press, and to ordinary news items in print or broadcasted. It provides intermediate level students with an introduction to the language of the Arab media and develops their basic reading and interpreting skills.

Chinese

CHI 1110. Elementary Conversational Chinese (4). This course introduces beginners to basic conversational Chinese, enabling them to develop interpretive and communicative skills in Chinese at the elementary level and grasp rudimentary knowledge of social customs and cultural practices in Chinese-speaking communities.

CHI 1120. Elementary Chinese I (4). An emphasis is placed upon speaking and listening, although an acquisition of reading and writing skills is also an integral part of the course. Some fundamental syntactic constructions introduced are: word order, nominal classifiers, verb classification, and formation of complex sentences. May not be taken by native speakers. May not be taken concurrently with CHI 1121 and/or 2220.

CHI 1121. Elementary Chinese II (4). Prerequisite: CHI 1120 or equivalent. The skills introduced in CHI 1120 are further emphasized in this course, including speaking, listening, and reading. May not be taken by native speakers. May not be taken concurrently with CHI 1120 and/or 2220.

CHI 2220. Intermediate Chinese (4). Prerequisite: CHI 1121 or equivalent. May not be taken by native speakers. Emphasizes reading and writing and introduces more of the essential Chinese syntax. More time will be devoted to learning Chinese characters in both recognition and production levels. May not be taken concurrently with CHI 1120 and/or 1121.

CHI 2243. Intermediate Conversational Chinese (3). This course helps students to further develop the three kinds of communicative skills in Chinese at the intermediate level: interpreting spoken language and written texts, communicating with Chinese speakers on matters in everyday life, and preparing and delivering presentations on sociocultural topics.

CHI 3240. Chinese Reading and Conversation (3). Prerequisite: CHI 2200 or instructor permission. This course is offered to meet the needs of students in current intermediate-level Chinese classes who seek not only to study Chinese at a more advanced level, but also to improve their Chinese proficiency in reading comprehension and oral communication in various settings.

CHI 3404r. Chinese Calligraphy and Poetry (3). Prerequisite: One Chinese language course or equivalent ability. This course develops both the ability to write Chinese characters and the knowledge of Chinese calligraphy. It comprises two tasks: 1) to grasp the structural rules of Chinese characters and the skills of memorizing and writing characters; 2) to understand the history and appreciate the charm of Chinese calligraphy by integrating calligraphic practice with the study of literary texts. May be repeated to a maximum of six semester hours.

CHI 3420r. Chinese Grammar and Composition (3). Prerequisite: CHI 2220 or instructor permission. This course aims to develop students' Chinese proficiency in reading and writing while focusing on grammar, composition, and vocabulary building. May be taken concurrently with CHI 3240. May be repeated to a maximum of six semester hours when content changes.

CHI 3422. Grammar and Composition II (3). Prerequisite: CHI 3420 or instructor permission. This course aims to develop students' Chinese proficiency adequate to the intermediate-high level in reading and writing, grammar, composition, and vocabulary.

CHI 3440r. Business Chinese (3). Prerequisite: CHI 2220 or permission of instructor. This course develops students' Chinese proficiency in the context of business activities that require not only adequate language skills at the intermediate-high level but also adequate knowledge of socio-cultural customs in China. May be repeated when content changes to a maximum of six semester hours.

CHI 3441. Business Chinese II (3). Prerequisite: CHI 2220 or equivalent learning experience. This course is a continuation of "Business Chinese I". It is designed to further improve students' language skills and cultural awareness for business purposes. For a Chinese major with business concentration, students can take this course to fulfill either the language or business requirements.

CHI 3501. Readings in Chinese Short Stories and Essays (3). Prerequisite: CHI 2220 or equivalent. Introduction of selected materials in modern Chinese literature. The course objectives are to train students to be able to read some carefully chosen original works and to bring to students' awareness various cross-cultural differences.

CHI 4410r. Advanced Chinese I (3). Prerequisite: Two CHI 3000-level courses or instructor permission. This course is designed for students who have had three years of Chinese language courses or equivalent learning experience. Students study both advanced-level language skills and Chinese culture in the original language. May be repeated to a maximum of six semester hours when topics vary.

CHI 4411r. Advanced Chinese II (3). Prerequisite: One 4000-level course with the CHI or CHW prefix. This course aims to develop fluency and accuracy in advanced-level Chinese in using complex vocabulary and sentence patterns, grasping basic forms of expository and argumentative prose, and discussing real-life issues of contemporary China both in writing and conversation. May be repeated to a maximum of six semester hours.

CHI 4503. Readings in Chinese History (3). Prerequisite: Instructor permission. A sketch of Chinese history is introduced. Students are taught to read the text in Chinese so they will be able to expand their vocabulary to include those words necessary to understand Chinese culture and tradition.

CHI 4905r. Directed Individual Study (3). Students arrange with individual faculty members to undertake specialized study in areas outside of or in addition to the regular curriculum. May be repeated to a maximum of six semester hours.

CHI 4930r. Special Topics (3). Prerequisite: Divisional permission. Allows student to study literary topics of a special kind, depending on student interest and faculty expertise.

CHI 4942r. Internship in Applied Chinese (1-6). (S/U grade only.) Prerequisite: Advanced standing in Chinese. Provides academic credit for students working in governmental agencies or private business where students employ the foreign language. Departmental permission required. May be repeated to a maximum of six semester hours.

CHT 3123r. Pre-Modern Chinese Literature and Culture (3). This course is offered for students interested in pre-modern Chinese literature and culture. May be repeated to a maximum of six semester hours when topics vary.

CHT 3391r. Chinese Cinema and Culture (3). Course studies representative films from mainland China, Hong Kong, and Taiwan. Presents Chinese cinema both as a unique genre of modern arts and a powerful social and political discourse. Taught in English. May be repeated to a maximum of six semester hours.

CHT 3392r. Writing Women in Pre-Modern China (3). This course introduces students to Chinese women's writing up to the 19th century. Students acquire knowledge of pre-modern women's literature and culture, and analytical skills necessary for interpreting women's texts in the context of pre-modern China. No prerequisite. May be repeated to a maximum of six semester hours when topics vary.

CHT 3930r. Topics in Chinese Literature (3). This course is for students interested in Chinese culture and literature in translation. Students learn the skills of interpreting literary works and understand the development of Chinese literature. May be repeated to a maximum of six semester hours. May be repeated within the same semester.

Film Courses

See course descriptions under individual language areas.

CHT 3391r	Chinese Cinema and Culture
FRT 3520r	French Cinema
GET 3524r	German Cinema
ITT 3523r	Italian Cinema
JPT 3391r	Japanese Film and Culture
PRT 3391r	Brazilian Literature and Film in Translation
RUT 3523r	Russian Cinema
SPT 3391r	Hispanic Cinema

General Foreign Language Courses

FOL 3930r. Experiments in Modern Language (3). May be repeated to a maximum of nine semester hours.

FOL 4901r. Tutorial in Modern Languages, Literatures or Linguistics (1-6). (S/U grade only.) Prerequisites: Junior standing or command of language and instructor permission. A maximum enrollment of five students. This course allows students to pursue a topic within modern languages (linguistics, literature, culture, or civilization). Number of semester hours taken depend on the content and breadth of the topic. May be repeated twice with different topics to a maximum of six semester hours.

FOW 3240. Literature and Sexuality (3). Course focuses upon novels that explore the social and personal implications of sexual identity.

FOW 4540. Franco-American Culture Wars (3). Course examines a major shift in the cultural balance of power between the United States and France. Topics range from the transition from the 19th century American awe at French achievements in fiction and painting to the ever increasing American influence on France's literary and visual art.

French

French and Francophone Language and Culture

FRE 1120. Elementary French I (4). Oral comprehension, speaking, reading, and writing are stressed. May not be taken by native speakers. May not be taken concurrently with FRE 1121 and/or 2211.

FRE 1121. Elementary French II (4). Prerequisite: FRE 1120 or equivalent. Further emphasis on oral comprehension, speaking, reading, and writing. May not be taken by native speakers. May not be taken concurrently with FRE 1120 and/or 2211.

FRE 2211. Intermediate French Readings (4). Prerequisite: FRE 1121 or equivalent. Completes University language requirement for baccalaureate degree. May not be taken by native speakers. Rapid review of basic French structures and introduction of some of the finer points of French grammar. May not be taken concurrently with FRE 1120 and/or 1121, and/or 2220.

FRE 2220. Reading and Conversation (4). Prerequisite: FRE 2211 or equivalent. This course expands the students' oral and written French expression through structured debate and argumentation based upon readings. May not be taken concurrently with FRE 1120, FRE 1121, and FRE 2211, or by native speakers.

FRE 3244. Intermediate French Conversation (3). Prerequisite: FRE 2211. Through readings and films about contemporary issues facing French society, this course aims at developing oral communication skills in a broad cultural context.

FRE 3420. French Grammar and Composition I (3). Prerequisite: FRE 2211 or equivalent. An in-depth study of French grammar emphasizing subtleties of written expression.

FRE 3421. French Grammar and Composition II (3). Prerequisite: FRE 2211 or equivalent. Further study of the subtleties of written expression in the French language.

FRE 3440. Commercial French (3). Prerequisites: FRE 2211 and FRE 3420. Develops language and correspondence skills appropriate to business transactions in such areas as sales, finance, transportation, management, etc.

FRE 3501. Contemporary France (3). Prerequisite: FRE 3420. This course, taught entirely in French, provides the student with an understanding of French culture and society from WW II through the present day. Topics include high vs. popular culture, political life, Franco-American relations, economics, media, France and the European Union, social interactions of the French, family life, education system, religion, cuisine, and immigration and multiculturalism. Activities and assignments emphasize French writing and speaking skills.

FRE 3780. French Phonetics (3). Prerequisite: FRE 3420. French majors only. Targeted pronunciation practice using the phonetic alphabet with the objective of improving production of standard French pronunciation.

FRE 4410. Advanced Conversation (3). Prerequisite: Completion of one 3000 level French course. Based on contemporary materials, this course is intended to develop near-native fluency.

FRE 4422. Advanced Grammar and Composition (3). Prerequisite: FRE 3421 or equivalent. This course, intended for students with a thorough grounding in French grammar, aims at developing writing and speaking ability through the reading of a variety of sophisticated French prose works and the composition of essays based on these model texts.

FRE 4905r. Directed Individual Study (3). Students arrange with individual faculty members to undertake specialized study in areas outside of or in addition to the regular curriculum. May be repeated to a maximum of six semester hours.

FRE 4930r. Special Topics (3). Prerequisite: Divisional coordinator permission. Allows students to study literary topics of a special kind, depending on student interest and faculty expertise. May be repeated to a maximum of nine semester hours.

FRE 4935r. Honors Thesis (1-6). May be repeated to a maximum of nine semester hours, three hours of which may be applied to the requirements for the major with permission of the department. All honors work is directed by the student's honors committee.

FRE 4942r. Internship in Applied French (1-6). (S/U grade only.) Prerequisite: Advanced standing in French. Provides academic credit for students working in governmental agencies or private business where students employ the foreign language. Departmental permission required. May be repeated to a maximum of six semester hours.

French and Francophone Cultures in Translation

Note: FRT courses do not count toward the major unless the student reads the works in French, writes all assignments in French, and can provide a letter from the instructor granting him/her permission to take the course for major credit.

FRT 3140. Masterworks of French Literature in Translation (3). A survey of selected masterpieces of French literature, ranging from the Middle Ages to the present. The readings and instruction are in English. Can be used for minor credit in French with permission of the coordinator.

FRT 3520r. French Cinema (3). This Francophone cinema course is offered in two versions: one focusing on the relationship between cinema and Francophone cultures and societies, and another taking a chronological and thematic approach to the movements and directors of metropolitan French cinema. This course is taught in English and, with instructor permission, three hours may be used for major or minor credit. May be repeated to a maximum of six semester hours.

FRT 3561. French Women Writers (3). Prerequisite: ENC 1101 and ENC 1121, or equivalent. Course addresses issues of race, gender, and class in a selection of works written by prominent French/francophone writers. Taught in English. Can be used for minor credit with permission of the coordinator.

Literatures, Cultures and/or Societies of French Expression

FRW 3100. Survey of French Literature: Origins Through 18th Century (3). Prerequisite: FRE 2211; FRE 3420 or FRE 3421 recommended. An introduction to the study of early-modern French literature by reading and discussing works representative of the various schools and movements. (Fall semester only.)

FRW 3101. Survey of French Literature: 19th Century through the Present (3). Prerequisites: FRE 2211; FRE 3420 or FRE 3421, FRW 3100, or instructor permission. An introduction to the study of modern French literature by reading and discussing works representative of the various schools and movements. (Spring semester only.)

FRW 4420. Medieval and Renaissance Literature (3). Prerequisite: FRW 3100. An introduction to the poetry and prose of the medieval and early-modern periods. Emphasis is on the themes of love and friendship.

FRW 4433. 17th- and 18th-Century Literature (3). Prerequisite: FRW 3100 or FRW 3101. This course surveys major works in the areas of theatre, philosophy, and prose fiction. Special attention is given to the possible meanings of central concepts such as Classicism and Enlightenment.

FRW 4460. 19th-Century Literature (3). Prerequisite: FRW 3101. The study of major themes and issues in 19th-century literature and culture.

FRW 4480. 20th-Century Literature (3). Prerequisite: FRW 3101. A survey of the major works (novels, theatre, poetry) and movements of 20th-century French literature.

FRW 4761r. Studies in Francophone Literatures and Cultures (3). Prerequisite: FRW 3100 or FRW 3101. This course is an examination of selected aspects of cultural forms (books, film, music, etc.) associated with one or more French-speaking regions located outside France, including North Africa, West Africa, the Antilles, Quebec, Indo-China, and French-speaking islands in the Indian and Pacific oceans. May be repeated to a maximum of six semester hours.

FRW 4770r. Francophone Caribbean/African Cultures (3). Prerequisite: FRW 3101. This course examines the literature of Africa and the Caribbean written in French with an emphasis on Negritude and/or Creolite. May be repeated to a maximum of six semester hours.

German

German Language

GER 1110. Elementary Conversational German (4). (Conversational method.) Introduction to German with emphasis on speaking. Additional hours arranged for conversational practice. Students with more than two years of high school German or the equivalent should consult the department for placement. May not be taken by native speakers. May not be taken concurrently with GER 1111, 1120, 1121 and/or 2220.

GER 1111. Elementary Conversational German (4). Prerequisites: GER 1110, GER 1120 or equivalent. (Conversational method.) Students with three or four years of high school German or the equivalent should consult the department for placement. Introduction to German with emphasis on speaking. Additional hours arranged for conversational practice. May not be taken by native speakers. May not be taken concurrently with GER 1120, 1121, 1110 and/or 2220.

GER 1120. Elementary German I (4). Introduction to German. May not be taken by native speakers. Students with more than two years of high school German or the equivalent should consult the department for placement. May not be taken concurrently with GER 1110, 1111, 1121 or 2220.

GER 1121. Elementary German II (4). Prerequisites: GER 1110, GER 1120 or equivalent. May not be taken by native speakers. Students with three or four years of high school German or the equivalent should consult the department for placement. May not be taken concurrently with GER 1110, 1111, 1120, and/or 2220.

GER 2220. Intermediate German (4). Prerequisites: GER 1121, GER 1111 or equivalent. This course expands skills in reading, writing, and conversation. This course completes the baccalaureate degree requirement and serves as the transition to upper-level study. May not be taken by native speakers. May not be taken concurrently with GER 1110, 1111, 1120, and/or 1121.

GER 3310. German Grammar (3). Prerequisite: GER 2220 or equivalent. This course focuses on the rules of German grammar and syntax and employing them correctly in speaking and writing.

GER 3400. Composition and Conversation (3). Prerequisite: GER 2220 or instructor permission. The objective is the ability to write and converse on general cultural topics at a level that demonstrates near mastery of German grammar and the beginning of a personal style in the language. The course is conducted in German.

GER 3440. German Business Language and Practice (3). Prerequisite: GER 2220 or instructor permission. An introduction to business languages and practices in German-speaking countries.

GER 3500. German Studies (3). Prerequisite: GER 2220 or instructor permission. This course, taught primarily in German, serves as an introduction to German studies. The course provides the student with an understanding of the major cultural aspects (literature, visual arts, history, politics, etc.) of German-speaking countries from the twentieth century to the present; the emphasis is placed on Germany in the second half of the twentieth century.

GER 3502r. Topics in German Studies (3). Prerequisite: GER 2220 or instructor permission. GER 3500 or GER 3310 are recommended. This course, taught primarily in German, presents a survey of one topic in the area of German studies. Topics may include themes from art, music, or literature placed in a cultural and historical perspective. Topics will change frequently. May be repeated to a maximum of six semester hours with permission of instructor.

GER 3780. Phonetics (3). Prerequisite: GER 2220. The objectives are the acquisition of correct German sound formation by comparison with English phonetics and the improvement of the student's conversational German through pronunciation exercises. The course is conducted in German.

GER 3930r. Special Topics (3). Prerequisite: GER 2220 or instructor permission. GER 3500 or GER 3310 are recommended. This course allows students to study non-literary topics of a special kind, depending on student interest and faculty expertise. May be repeated to a maximum of nine semester hours when content changes.

GER 4420. Advanced Composition (3). Prerequisite: Two 3000-level GER courses or instructor permission. Course objective: ability to write with a developed personal style in German on intellectually demanding topics, including commentary on literature. Near mastery of German grammar is a prerequisite. The course is conducted in German.

GER 4480. Modern German of the News Media (3). Prerequisite: Two 3000-level courses or instructor permission. This course is an advanced-level skills course. Discussion of current events and mass media in German-speaking countries and work with authentic texts (newspapers and audio-visual material).

GER 4905r. Directed Individual Study (3). Students arrange with individual faculty members to undertake specialized study in areas outside of or in addition to the regular curriculum. May be repeated to a maximum of six semester hours.

GER 4935r. Honors Thesis (1-6). May be repeated to a maximum of nine semester hours, three hours of which may be applied to the requirements for the major with permission of the department. All honors work is directed by the student's honors committee.

GER 4942r. Internship in Applied German (1-6). (S/U grade only.) Prerequisite: Advanced standing in German. Provides academic credit for students working in governmental agencies or private business where students employ the foreign language. Departmental permission required. May be repeated to a maximum of six semester hours.

German Literature in Translation

GET 3130. Masterpieces of German Literature in Translation: 19th and 20th Centuries (3). This course provides students the opportunity to read German literary works in English translation. The focus is on major literary texts and movements of the 19th and 20th centuries. May be counted for major or minor credit. Taught in English.

GET 3524r. German Cinema (3). This course covers the contextual and stylistic features of German cinema from its classical period, in the 1920s, to the New German Cinema, through the present. The course focuses on methods of film analysis and on film criticism. Taught in English. May be repeated to a maximum of six semester hours.

GET 4800. Translation German-English/English-German (3). Prerequisite: GER 3400 or instructor permission. An advanced-level skills course. Translating a variety of texts that illustrate important distinctions between German and English grammar, syntax, vocabulary, etc.

German Literature (Writings)

GEW 3320. Drama (3). Prerequisites: GER 2220 or instructor permission. GER 3400, GER 3310, or GER 3500 are recommended. Focuses on contemporary German drama in a socio-historical context. Addresses the difficulties authors confront when dramatizing current social trends, as well as the problems of interpreting and staging a play.

GEW 3370. German Short Fiction (3). Prerequisite: GER 2220 or instructor permission. GER 3400, GER 3310, or GER 3500 are recommended. This course introduces students to the principles of literary study through reading and discussion of short pieces of fiction, primarily from the twentieth century.

GEW 4591r. Studies in an Author or Theme (3). Prerequisites: Two 3000-level courses or instructor permission. This course offers the opportunity to study either a single author in-depth or to follow a specific theme that may extend over a brief period or over centuries. Course material may include non-literary textual and audio-visual material. May be repeated to a maximum of nine semester hours.

GEW 4592r. Studies in a Period or Movement (3). Prerequisites: Two 3000-level courses or instructor permission. Concentrates on a specific literary movement such as Romanticism, Realism, Expressionism, or on a period such as the Baroque, the Enlightenment, or the Weimar period. May be repeated to a maximum of nine semester hours.

GEW 4930r. Special Topics (3). Prerequisites: Two 3000-level courses or instructor permission. May be repeated to a maximum of nine semester hours. Students arrange with individual faculty members to undertake study in areas outside the regular curriculum.

Hebrew

HBR 1120. Elementary Modern Hebrew I (4). No previous knowledge required. May not be taken by native speakers. Introduction to the alphabet, basic vocabulary, grammar, and syntax of modern Hebrew. Oral comprehension, speaking, and writing are emphasized through a communicative approach. Students are also introduced to modern Israeli culture. May not be taken concurrently with HBR 1121 and/or 2220.

HBR 1121. Elementary Modern Hebrew II (4). Prerequisite: HBR 1120 or equivalent. May not be taken by native speakers. Continues the introduction to modern Hebrew begun in HBR 1120. Cultural orientation and the practical use of Hebrew in meaningful situations. Oral comprehension, speaking, and writing are emphasized through a communicative approach. May not be taken concurrently with HBR 1120 and/or 2220.

HBR 2220. Intermediate Modern Hebrew (4). Prerequisites: HBR 1120 and HBR 1121 or equivalent. May not be taken by native speakers. Completion of this course will fulfill the foreign language requirement for the College of Arts and Sciences. In a proficiency-oriented classroom, students continue their study of Hebrew. Introduction to modern Hebrew prose (fiction and non-fiction) as well as the continued development of speaking, listening, writing, and grammatical skills. May not be taken concurrently with HBR 1120 and/or 1121.

Italian

Italian Language

ITA 1110. Elementary Conversational Italian I (4). (Dartmouth method) An introductory course emphasizing learning Italian through speaking and understanding skills at the elementary level. May not be taken by native speakers. May not be taken concurrently with ITA 1111, 1120, 1121, and/or 2220.

ITA 1111. Elementary Conversational Italian II (4). Prerequisite: ITA 1110 or equivalent. (Dartmouth method) This course builds upon the speaking and reading skills learned at the 1110 level. May not be taken by native speakers. May not be taken concurrently with ITA 1110, 1120, 1121, and/or 2220.

ITA 1120. Elementary Italian I (4). This introductory course gives the student basic grammatical structures to enable speaking, understanding, reading, and writing at the elementary level. May not be taken by native speakers. May not be taken concurrently with ITA 1111, 1121, and/or 2220.

ITA 1121. Elementary Italian II (4). Prerequisite: ITA 1120 or equivalent. This course builds upon the student's ability to speak, understand, read, and write Italian at an elementary level. May not be taken by native speakers. May not be taken concurrently with ITA 1111, 1120 and/or 2220.

ITA 2220. Reading and Conversation (4). Prerequisite: ITA 1111 or ITA 1121. Stresses skills in reading and conversational Italian at the second-year level. Readings are supported by discussions of the materials. This course completes the baccalaureate degree requirement. May not be taken concurrently with ITA 1111, 1120, and/or 1121. May not be taken by native speakers.

ITA 2240. Conversation (3). Prerequisite: ITA 2220. May not be taken by native speakers. This course stresses development of conversational skills at the third-year level.

ITA 3420. Grammar and Composition (3). Prerequisite: ITA 2220. This course presents a review and further study of grammar and idiomatic constructions. Composition practice augments the skills developed.

ITA 3421. Grammar and Composition (3). Prerequisite: ITA 3420. A continuation of ITA 3420 with greater stress on theme-writing skills.

ITA 3440. Business Italian (3). Prerequisite: ITA 2220 or equivalent. This course introduces current Italian business formats and provides practice in commercial correspondence with its specialized vocabulary and syntax.

ITA 3941r. Directed Individual Tutorial Practice (3). Prerequisites: ITA 1111, ITA 1120, ITA 1121, ITA 2220, or equivalent. This course develops skilled undergraduate tutors for the Dartmouth method ITA 1110/1111 sequence. May be repeated to a maximum of six semester hours.

ITA 4410. Advanced Italian Conversation (3). Prerequisites: ITA 3420 and ITA 3421 or equivalent. The course is designed to develop fluency in conversation skills at the fourth-year level by means of extensive vocabulary building and practice.

ITA 4450. Advanced Italian Composition and Style (3). Prerequisite: ITA 3421 or equivalent. The course stresses the morphological and syntactical order of Italian by means of extensive drill in controlled and free composition.

ITA 4500. Italian Culture and Civilization (3). Prerequisite: ITA 3100 and ITA 3101 or equivalent. The course surveys Italian culture and civilization and provides a historical perspective to aspects of Italian society.

ITA 4905r. Directed Individual Study (3). Students arrange with individual faculty members to undertake specialized study in areas outside of or in addition to the regular curriculum. May be repeated to a maximum of six semester hours.

ITA 4930r. Special Topics (3). Prerequisite: Divisional coordinator permission. Allows students to study literary topics of a special kind, depending on student interest and faculty expertise. May be repeated to a maximum of nine semester hours.

ITA 4935r. Honors Thesis (1-6). May be repeated to a maximum of nine semester hours, three hours of which may be applied to the requirements for the major with permission of the department. All honors work is directed by the student's honors committee.

ITA 4942r. Internship in Applied Italian (1-6). (S/U grade only.) Prerequisite: Advanced standing in Italian. Provides academic credit for students working in governmental agencies or private business where students employ the foreign language. Departmental permission required. May be repeated to a maximum of six semester hours.

Italian Literature and Culture in Translation

ITT 3430. Masterpieces of Italian Literature in Translation (3). After a brief overview of history of Italian literature, this course offers discussion and analysis of English translations of novels, short stories, and plays by such figures as Dante, Boccaccio, Machiavelli, Goldoni, Leopardi, Manzoni, Pirandello, Deledda, Moravia, and Pavese. May be counted for major or minor credit.

ITT 3500. Italian Culture and Civilization: From Origins to the Age of Romanticism (3). This course is an introduction to artistic, intellectual, social, and political trends in Italy from pre-Roman time to the Age of Romanticism with specific reference to Medieval and Renaissance Italy as a center of culture in Europe. Offered in English.

ITT 3501. Modern Italian Culture: From the Unification to the Present (3). This course is an introduction to the cultural developments and sociopolitical changes in modern Italy. Topics include the Risorgimento to the formation of the nation; Fascism's influence on the national culture; the Italian miracle of the postwar period; the North/South Question; the "Made in Italy" label in design; and the social phenomenon of immigration into Italy. Offered in English.

ITT 3520. The Italian-American Experience in Literature and Film (3). This course examines the literary and cinematic contributions that Italian Americans have made during the past century. The course is designed to assist students in exploring ways in which Italian and American cultures have combined to form a distinctive ethnic culture.

ITT 3523r. Italian Cinema (3). This course covers modern Italian cinema from the political and social realism to the postwar New Wave. May be repeated to a maximum of six semester hours. Taught in English.

Italian Literature (Writings)

ITW 3100. Survey of Italian Literature: Origins through 18th-Century (3). Prerequisite: ITA 2220 or equivalent. This course introduces students to representative literary figures and movements from the beginnings through the 18th century.

ITW 3101. Survey of Italian Literature: 19th- and 20th-Centuries (3). Prerequisite: ITA 2220. This course introduces students to representative literary figures and movements from the 19th and 20th centuries.

ITW 4400. Renaissance Literature (3). Prerequisites: ITW 3100 and ITW 3101 or equivalent. This course offers selected readings and discussions of the literature of the Italian Renaissance including such figures as Alberti, Lorenzo deMedici, Poliziano, Machiavelli, Michelangelo, Ariosto, and Tasso.

ITW 4440r. 18th- and 19th-Century Literature (3). Prerequisites: ITW 3100 and ITW 3101 or equivalent. This course offers readings and discussions of figures and movements of the 18th and 19th centuries including Goldoni, Alfieri, Foscolo, Manzoni, Leopardi, and Verga. May be repeated to a maximum of six semester hours.

ITW 4480. 20th-Century Literature (3). Prerequisites: ITW 3100 and ITW 3101 or equivalent. This course offers readings and discussions of figures and movements in 20th-century Italian literature.

ITW 4481. Readings in Contemporary Italian Prose (3). Prerequisites: ITW 3100 and ITW 3101 or equivalent. This course offers readings and discussions of works of contemporary Italian writers.

ITW 4700r. The Trecento Writers (3). Prerequisites: ITW 3100 and ITW 3101 or equivalent. This course offers a study of the Trecento writers: Dante, Petrarch, and Boccaccio. Readings and discussions are available in both English and Italian. May be repeated to a maximum of nine semester hours.

Japanese

JPN 1120. Elementary Japanese I (4). This course stresses speaking and listening, although the acquisition of reading and writing skills is also an integral part of the course. Some fundamental syntactic and morphological points introduced are word order, nominal particles, verbal endings, verb classification, speech levels, and the formation of some complex sentences. In addition, an introduction is given to the Japanese syllabaries and kanji. May not be taken by native speakers. May not be taken concurrently with JPN 1121, 2220 and/or 2300.

JPN 1121. Elementary Japanese II (4). Prerequisite: JPN 1120 or equivalent. This course continues to stress speaking, reading, listening, and writing skills using the syntactic and morphological points introduced in JPN 1120. Further study will be made of the Japanese syllabaries and kanji. May not be taken by native speakers. May not be taken concurrently with JPN 1120, 2220 and/or 2300.

JPN 2220. Intermediate Reading and Conversation (4). Prerequisite: JPN 1121 or equivalent. May not be taken by native speakers. This course continues to emphasize speaking and listening and introduces more of the essentials of Japanese syntax. In this course more time is devoted to reading and writing. About 400 kanji are introduced. May not be taken concurrently with JPN 1120, 1121 and/or 2300.

JPN 2300. Review Grammar and Syntax (4). Prerequisite: JPN 2220. This course is designed to give students an opportunity not only to strengthen their knowledge of basic Japanese, but to gain better insight into the structure of modern Japanese. Through graded exercises students are taught to write sophisticated Japanese. May not be taken by native speakers. May not be taken concurrently with JPN 1120, 1121 and/or 2220.

JPN 3202. Readings in Short Stories and Essays (3). Prerequisite: JPN 2300. This course consists of selected materials in modern Japanese literature, humanities, and social sciences are introduced. The objectives of this course are to train students to be able to read some annotated works in original Japanese and to bring to students' awareness various cross-cultural differences. May not be taken by native speakers.

JPN 3440. Business Japanese (3). Prerequisite: JPN 2220. This course trains students to utilize appropriate expressions in various business-related situations in Japan.

JPN 4130. Reading Modern Japanese Literature (3). Prerequisites: JPN 3202 or instructor permission. This course is an introduction to modern and contemporary Japanese literature through the reading of short novels and plays.

JPN 4412. Advanced Japanese (3). Prerequisite: JPN 3202. This course leads qualified students to develop their advanced-level skills in Japanese by reading and discussing various types of writings, ranging from newspaper articles to literary stories and essays.

JPN 4905r. Directed Individual Study (3). In this course, students arrange with individual faculty members to undertake specialized study in areas outside of or in addition to the regular curriculum. May be repeated to a maximum of six semester hours.

JPN 4930r. Special Topics (3). Prerequisite: Divisional coordinator permission. This course allows students to study literary topics of a special kind, depending on student interest and faculty expertise. May be repeated to a maximum of nine semester hours. Duplicate registration allowed in the same semester.

JPN 4942r. Internship in Applied Japanese (1-6). (S/U grade only.) Prerequisite: Advanced standing in Japanese. This course provides academic credit for students working in governmental agencies or private business where students employ the foreign language. Departmental permission required. May be repeated to a maximum of six semester hours.

JPT 3391r. Japanese Film and Culture (3). This course is for students interested in Japanese film and culture, and culture in translation. Students learn the skills of analyzing films and come to understand the development of Japanese film and culture. May be repeated to a maximum of six semester hours. Taught in English.

JPT 3122r. Modern Japanese Literature in Translation (3). This course covers short stories and novels of major authors in modern Japanese literature after 1868, giving students an understanding of various aspects of modern Japan. May be repeated to a maximum of six semester hours. Taught in English.

JPT 4020r. Japanese Calligraphy (1). Prerequisite: JPN 1120 or equivalent. This course is designed to teach beginning students how to write the Japanese kana syllabaries and kanji properly according to the stroke order. The art of sumi writing is also introduced. May be repeated to a maximum of two semester hours.

Korean

KOR 2220. Reading and Conversation (4). May not be taken by native speakers. This course continues to emphasize speaking and listening skills and introduces more of the essentials of Korean grammar, but more time is devoted to reading and writing. This course completes the baccalaureate degree requirement. May not be taken concurrently with KOR 1120 and/or 1121.

Linguistics

Note: All linguistics courses taken for Spanish major credit must be taken through the Department of Modern Languages and Linguistics.

LIN 3041. Introductory Linguistics for Foreign Language Majors (3). The purposes of this course are to develop an understanding of the nature of language, to dispel a number of myths and misconceptions about language, and to provide tools and techniques for describing linguistic data. May count toward the major in Slavic (Russian) and Spanish. May count toward the major in Spanish with a concentration in business, and the Spanish co-major.

LIN 4030. Introduction to Historical Linguistics (3). This course is designed to familiarize students with the world language families, notion of relatedness, sound correspondence, comparative method, internal reconstruction, and the reconstruction of the Proto Indo-European languages. Several theories of sound change are also discussed.

LIN 4040. Introduction to Descriptive Linguistics (3). This course attempts to develop an understanding of the organization of language, to provide tools and techniques for describing language data, and to examine various models of linguistic description. May count toward the major in Slavic (Russian) and Spanish.

LIN 4512. Introduction to Transformational Grammar (3). The purpose of this course is to expose students to the underlying principles of syntax. Students are taught the mechanics of syntactic theories dating from the late 1960s to the present.

LIN 4905r. Directed Individual Study (3). Students arrange with individual faculty members to undertake specialized study in areas outside of or in addition to the regular curriculum. May be repeated to a maximum of six semester hours.

LIN 4930r. Topics in Linguistics (3). In this course, students arrange with individual faculty members to undertake study in areas outside the regular curriculum. May be repeated to a maximum of twelve semester hours. May be repeated within the same semester.

Portuguese (Brazilian)

POR 1120. Elementary Portuguese I (4). This course is a first semester course in Portuguese for beginning students with no prior exposure to the language. This course emphasizes the four basic communicative skills of listening, reading, speaking, and writing in a culturally authentic context.

POR 1121. Elementary Portuguese II (4). Prerequisite: POR 1120. This course is a second semester course in Portuguese for beginning level students. This course emphasizes the four basic communicative skills of listening, reading, speaking, and writing in a culturally authentic context.

POR 2220. Intermediate Portuguese (4). Prerequisites: POR 1120 and POR 1121. This course is a third semester course in Portuguese for intermediate level students. This course emphasizes the four basic communicative skills of listening, reading, speaking, and writing in a culturally authentic context.

POR 3140. Portuguese for Advanced Students of Spanish I (3). Prerequisite: A 3000-level course in Spanish (completed or concurrent enrollment) or instructor permission. An intensive course in Brazilian Portuguese for advanced students of Spanish, other Romance languages, and/or heritage speakers of Portuguese. It is based on positive transfer of applicable linguistic structures of Spanish, avoidance of negative transfer, and concentration on structures unique to Portuguese. Understanding, speaking, reading, and writing skills are practiced.

POR 3141. Portuguese for Advanced Students of Spanish II (3). Prerequisite: POR 3140. This course is based on positive transfer of applicable linguistic structures of Spanish and/or other Romance languages, avoidance of negative transfer, and concentration on structures unique to Portuguese. Understanding, speaking, reading, and writing skills are practiced.

POR 4905r. Directed Individual Study (3). In this course, students arrange with individual faculty members to undertake specialized study in areas outside of or in addition to the regular curriculum. May be repeated to a maximum of six semester hours.

POR 4930r. Special Topics (3). Prerequisite: Divisional coordinator permission. This course allows students to study literary, cultural, or linguistic topics of a special kind, depending on student interest and faculty expertise. May be repeated to a maximum of nine semester hours.

PRT 3391r. Brazilian Literature and Film in Translation (3). This course explores literary and film studies of the Portuguese-speaking world. Taught in English or Portuguese, this course counts toward major or minor credit in Latin American and Caribbean Studies, the minor in Portuguese, and/or world literature/world film. May be repeated to a maximum of six semester hours.

Russian

Russian Language

RUS 1120. Elementary Russian I (4). Introduction to basic Russian. Students with high school language experience or equivalent should consult the department for placement. May not be taken by native speakers. May not be taken concurrently with RUS 1121 and/or 2220.

RUS 1121. Elementary Russian II (4). Prerequisite: RUS 1120 or equivalent. Continuation of RUS 1120. May not be taken by native speakers. May not be taken concurrently with RUS 1120 and/or 2220.

RUS 2220. Intermediate Russian (4). Prerequisite: RUS 1121 or equivalent. Grammar, reading, and conversation. May not be taken by native speakers. May not be taken concurrently with RUS 1120 and/or 1121.

RUS 2330. Russian Grammar and Popular Culture (3). Prerequisite or corequisite: RUS 2220. This multimedia course offers a thorough overview of grammar and basic cultural literacy. Language structures are studied through popular fiction and film genres. Students produce a short film in Russian.

RUS 3240. Reading and Conversation (3). Prerequisite: RUS 2220 or equivalent. Oral expression is emphasized.

RUS 3400. Conversation and Composition (3). Prerequisite or corequisite: RUS 2330 or equivalent. Oral expression, writing practice, and review of grammar.

RUS 3420. Russian Grammar and Composition (3). Prerequisite or corequisite: RUS 2330 or equivalent. Development of writing and grammar skills.

RUS 4410r. Advanced Russian Conversation (3). Prerequisite: RUS 3400. Styles and levels of oral expression on a wide range of topics. May be repeated to a maximum of six semester hours.

RUS 4421. Advanced Russian Grammar and Composition (3). Prerequisite: RUS 3420. Practical application of advanced language skills.

RUS 4780. Phonetics (3). Prerequisite: RUS 2220 or instructor permission. An understanding of the phonetic and phonemic structure of Russian with extensive oral practice.

RUS 4840. History of the Russian Literary Language (3). Prerequisite: RUS 3420 or equivalent. The development of the phonological and grammatical systems from the earliest records to the present.

RUS 4905r. Directed Individual Study (3). Students arrange with individual faculty members to undertake specialized study in areas outside of or in addition to the regular curriculum. May be repeated to a maximum of six semester hours.

RUS 4930r. Special Topics (3). May be repeated to a maximum of twelve semester hours for the major. Only three semester hours taken in any summer session count for the major.

RUS 4935r. Honors Thesis (1-6). May be repeated to a maximum of nine semester hours, three hours of which may be applied to the requirements for the major with permission of the department. All honors work is directed by the student's honors committee.

RUS 4942r. Internship in Applied Russian (1-6). (S/U grade only.) Prerequisite: Advanced standing in Russian. Provides academic credit for students working in governmental agencies or private business where students employ the foreign language. Departmental permission required. May be repeated to a maximum of six semester hours.

Russian Courses in Translation

RUT 3110. Russian Literature in English Translation (3). Readings and discussion of major Russian literary works.

RUT 3504. Modern Russian Life (3). An overview of current social and cultural issues in Russian, including the legacy of the Soviet period, the relationship between literature and daily life, women's issues, ecology, mass media, and the efforts of the country to define itself in its new setting and role. No knowledge of Russian is required. May count toward the Russian major. Taught in English.

RUT 3505. Russian Culture and Civilization (3). This course examines the Russians, their history, culture, and traditions, from the Middle Ages to the present. Fiction and film give students a perspective from the "inside." Taught in English.

RUT 3514. Russian Folklore and Fairy Tales (3). This course considers a range of critical approaches and provides a general introduction to the study of folk belief, folklore and fairy tales, and their continuing influence in Russian and world culture. The course focuses primarily on Russian folk and fairy tales, but also includes cross cultural comparisons. Taught in English.

RUT 3523r. Russian Cinema (3). This course offers viewing and discussion of Soviet classics and contemporary films. Credit may be applicable to the Russian major. Knowledge of Russian is not required. When content varies, the course may be repeated to a maximum of six semester hours. Taught in English.

RUT 3800. Introductory Russian to English Translation (3). Essentials of translation techniques. Requires grade of "B" or better in RUS 2220 (or equivalent) or permission of the instructor.

RUT 4213r. Russian Love Prose in English Translation (3). This course explores the development of the Russian love prose in the 19th-21st centuries in such literary trends and movements as Romanticism, Realism, Symbolism, Silver Age, Socialist Realism, Soviet Underground, and Postmodernism. May be repeated to a maximum of six semester hours when content varies.

Russian Literature (Writing)

RUW 3100. Survey of Russian Literature I (3). A survey of representative works of Russian 19th and early 20th century fiction. Taught in Russian.

RUW 3101. Survey of Russian Literature II (3). A survey of representative works of Russian 20th century short and long fiction. Taught in Russian.

RUW 4470r. Modern Russian Literature (3). Prerequisite: RUW 3100 and RUW 3101 or equivalent. A study of the great works of major Russian writers of the 19th and 20th centuries, encompassing study of specific movements such as Romanticism, Realism, Modernism, and Socialist Realism. May be repeated to a maximum of nine semester hours.

Serbo-Croatian

SEC 4905r. Directed Individual Study (3). Students arrange with individual faculty members to undertake specialized study in areas outside of or in addition to the regular curriculum.

Slavic

SLL 3500. Slavic Culture and Civilization (3). This course examines the Slavic peoples, their cultures and traditions, from prehistory to present day. Novels and film give students a perspective from the "inside." Taught in English.

SLL 3510. The Slavic Vampire (3). This course is an exploration of the myth of the Vampire, from its origins in Slavic folklore to its appropriation by the West. It examines why the Vampire has endured not only in Eastern Europe but also in the Western imagination. Taught in English.

SLL 4905r. Directed Individual Study (3). Students arrange with individual faculty members to undertake specialized study in areas outside of or in addition to the regular curriculum. May be repeated to a maximum of six semester hours.

Spanish

Spanish Language

SPN 1120. Elementary Spanish I (4). This course is the first of a three-semester sequence of courses for students with no prior knowledge of the Spanish language, either at the high-school or native-speaker level. The course emphasizes oral communication and grammatical expertise, as well as listening comprehension. Students will read short texts and write paragraphs and short compositions in Spanish. May not be taken concurrently with SPN 1121, 1124, and/or 2220. May not be taken by native speakers. Some sections may be computer-assisted.

SPN 1121. Elementary Spanish II (4). Prerequisite: SPN 1120 or equivalent. The course emphasizes oral communication and grammatical expertise, as well as listening comprehension. Students will read short texts and poems and write compositions in Spanish. May not be taken by native speakers. May not be taken concurrently with SPN 1120, 1124, and/or 2220.

SPN 1124. Comprehensive Elementary Spanish (4). This is a one-semester course designed for those students who have had at least two years of high school Spanish (or the equivalent), but who do not feel ready to go directly into SPN 2220 Intermediate Spanish. May not be taken by native speakers. Students passing SPN 1124 with a grade of "C" or better are eligible to enroll in SPN 2220.

SPN 2160r. Spanish for Careers (4). Prerequisites: SPN 1120 and SPN 1121, or SPN 1124, or instructor permission. This course introduces students to linguistic and cultural skills in Spanish needed for specific work environments such as law enforcement, education, or medicine. Course content varies with semester. May not be taken by native speakers. May be repeated as content varies to a maximum of eight semester hours. With approval of the department, may fulfill the arts and sciences language requirement.

SPN 2220. Intermediate Spanish (4). Prerequisite: SPN 1121 and SPN 1124 or equivalent. The course emphasizes oral communication and grammatical expertise, as well as listening comprehension. Students will read short stories, poems, and articles, and will write extended compositions and papers in Spanish. May not be taken concurrently with SPN 1120, 1121, and/or 1124. May not be taken by native speakers.

SPN 2240. Intermediate Spanish II (3). Prerequisite: SPN 2220 or equivalent. This course completes the intermediate Spanish skills sequence and finishes the review of the grammar sequence begun in SPN 2220. Students deepen their functional skills in comprehending, speaking, reading, and writing Spanish and gain an overview of Hispanic culture in various countries. Not open to native or heritage speakers of Spanish.

SPN 3300. Spanish Grammar and Composition (3). Prerequisite: A grade of "C-" or higher in SPN 2240. This course covers the theory and practice of Spanish grammar and its application to compositions. Can be taken concurrently with SPN 3400.

SPN 3350. Spanish for Heritage Speakers (3). This course offers intensive Spanish for heritage speakers who have had little or no formal training in the language. Writing skills are emphasized over oral communication.

SPN 3400. Spanish Reading and Conversation (3). Prerequisite: A grade of "C-" or higher in SPN 2240. This course develops communicative proficiency and accuracy in both reading and writing Spanish. Can be taken concurrently with SPN 3300. Not open to native or heritage speakers of Spanish.

SPN 3440. Language and Culture in Business (3). Prerequisites: SPN 3300 and SPN 3400, or SPN 3350. This is an intermediate-level language course aimed at raising cross-cultural awareness in international business. It also is designed to better prepare students to meet the challenges of our global economy.

SPN 3510. Cultures of Iberia (3). Prerequisites: SPN 3300 and SPN 3400, or SPN 3350. This course provides students with fundamental knowledge about the cultures and history of the Iberian peninsula in an effort to enhance their cultural and historical knowledge. This course also aims to improve their basic communicative skills in Spanish.

SPN 3520. Cultures of Latin America (3). Prerequisites: SPN 3300 and SPN 3400, or SPN 3350. This course provides students with fundamental knowledge about the cultures and history of Latin America in an effort to enhance their cultural and historical knowledge. This course also aims to improve their basic communicative skills in Spanish.

SPN 4420. Advanced Spanish Composition and Translation (3). Prerequisites: SPN 3300 and SPN 3400. Stresses composition in Spanish with less emphasis on translation from Spanish into English. For students with prior knowledge of essential points of Spanish grammar.

SPN 4444. Business Writing in Spanish (3). Prerequisites: SPN 3300 and SPN 3400. This course covers letter writing, business terminology, as well as conducting business in the Hispanic world.

SPN 4540r. Regional Cultural Studies (3). Prerequisites: SPN 3300 and SPN 3400, or SPN 3350. This course provides students with exposure to texts and cultural productions from specific regions of Latin America, Spain, or the Latino enclaves in the U.S. Texts may include historical documents, legends and myths, poetry, fiction, essays, or popular music. May be repeated to a maximum of six semester hours. Duplicate registration allowed in the same semester.

SPN 4740. Hispanic Sociolinguistics (3). Prerequisites: SPN 3300 and SPN 3400, or SPN 3350. This course provides students with a cultural and linguistic awareness of the Spanish language and of the various and numerous societies in which it is spoken. Topics that relate to Spanish may include linguistic variation, language and gender, the sociology of language, the rights of linguistic minorities, language movements, and language policy.

SPN 4780. Spanish Phonetics (3). Prerequisites: SPN 3300 and SPN 3400, or SPN 3350. Training in the production of acceptable speech sounds in Spanish and a knowledge of when to use those sounds (allophonic distribution). Class meets both in the classroom and in the language laboratory. The nonnative speaker can profit most from this course.

SPN 4905r. Directed Individual Study in Hispanic Language (3). The approval of the faculty member, the divisional coordinator, the Associate Chair for Undergraduate Studies, and the department chair is required. The student and the faculty member will meet each week. May be repeated to a maximum of six semester hours.

SPN 4930r. Studies in Hispanic Language (3). Prerequisites: SPN 3300 and SPN 3400 or instructor permission. May be repeated when content varies for a maximum of six semester hours.

SPN 4935r. Honors Thesis (1–6). May be repeated to a maximum of nine semester hours, three hours of which may be applied to the requirements for the major with permission of the department. All honors work is directed by the student's honors committee.

SPN 4942r. Internship in Applied Spanish (1–6). (S/U grade only.) Prerequisite: Advanced standing in Spanish. Provides academic credit for students working in governmental agencies or private enterprise where students employ the foreign language. Departmental permission required. May be repeated to a maximum of six semester hours.

Spanish Literature in Translation

SPT 3100. Spanish Literature in Translation (3). An introduction to the rich literary traditions of Spain through the study of major works and writers of Spain's literary history. Students also learn important aspects of Spanish culture. The course is conducted in English. Does not count toward major or minor in Spanish.

SPT 3130. Latin American Literature in Translation (3). Reading and study of some of the outstanding modern prose writers of Latin America, such as Azuela, Carpentier, Borges, Rulfo, Fuentes, Garcia Marquez, Machado de Assis, and Amado. Does not count toward major or minor in Spanish, Spanish with a concentration in business, or Spanish co-majors. This class counts for Latin American and Caribbean studies major and minor. Taught in English.

Spanish Literature (Writings)

SPT 3391r. Hispanic Cinema (3). Study of the films, movements, and directors of Hispanic cinema. A maximum of three semester hours may be applied toward major or minor credit in Spanish; however, it may not be applied toward major or minor literature credit in either Spanish or Latin American and Caribbean studies. May be repeated to a maximum of six semester hours. Taught in English.

SPW 3030. Approaching Hispanic Literature (3). Prerequisites: SPN 3300, SPN 3350, or instructor permission. This course is a multi-genre introduction to literary analysis. It seeks to further develop basic language and critical thinking skills, understanding of Hispanic cultures, and interpretation of Hispanic literature.

SPW 3103. Readings from Early Iberia (3). Prerequisite: SPW 3030. Through a variety of readings and written and oral activities, this course provides students with a fundamental knowledge of the critical issues related to the early Iberian peninsula, from approximately 1000 to 1700 A.D. Such topics may include medieval multiculturalism, the cultural role of the Church, and culture in an age of territorial expansion.

SPW 3104. Readings from Modern Spain (3). Prerequisite: SPW 3030. This course provides students, through a variety of readings and written and oral activities, with a fundamental knowledge of the critical issues related to modern Spain from 1700 to the present.

SPW 3132. Readings from Early Spanish America (3). Prerequisite: SPW 3030 or instructor permission. Through a variety of readings and written and oral activities, this course provides students with knowledge about early Spanish America, from approximately 1492 to 1800. Topics may include the conquest, slavery, mestizaje, founding cultural institutions, and the aesthetics and ideologies of nation-building.

SPW 3493. Readings from Modern Spanish America (3). Prerequisite: SPW 3030. Through a variety of readings and written and oral activities, this course provides students with knowledge about modern Spanish America, from 1800 to the present. Topics may include indigenous and Afro-Caribbean cultures, multiculturalism, revolutions, globalization, and border issues.

SPW 4140r. The Poetics of Hispanic Love and Violence (3). Prerequisites: Two 3000-level literature courses or instructor permission. This course explores poems and other forms of expression that address the complexities of the sentiments of love and violence in the manner that it has been expressed in Hispanic culture. It will introduce and engage these topics as they relate to issues of gender, national politics, and culture from Latin America and Spain. May be repeated to a maximum of six semester hours.

SPW 4150r. Transatlantic Encounters (3). Prerequisites: Two 3000-level literature courses or instructor permission. This course emphasizes the cultural and historical connection between Spanish America and Spain. Topics of study may include the subaltern in early Spain and Spanish America, nineteenth-century nation identities, and Modernismo/Generacion del 98. May be repeated to a maximum of six semester hours.

SPW 4190r. Special Topics in Hispanic Languages and Literature (3). Prerequisites: Two SPW 3000-level courses or equivalent. Variable topics chosen from Spanish language movements, periods, figures, and problems. May be repeated to a maximum of six semester hours.

SPW 4301r. Hispanic Culture and Performance (3). Prerequisites: Two 3000-level literature courses or instructor permission. The study of dramatic works or performances from a Spanish-speaking region within a particular period, including its socio-historical, literary, biographical, and cultural contexts. Students may participate in a workshop production of the work(s) studied. May be repeated to a maximum of six semester hours.

SPW 4481. Contemporary Spanish Women Writers (3). Prerequisites: Two 3000-level literature courses. Course introduces the student to the works of 20th-century Spanish women writers and the critical attention they have received.

SPW 4491. Spanish-American Women Writers (3). Prerequisites: Two 3000-level literature courses. The study of Spanish-American women writers, varying from year to year, focusing on prose fiction, non-fiction and/or drama. Supplementary readings from critical and theoretical works.

SPW 4770. Caribbean Literature (3). Prerequisites: Two 3000-level literature courses or instructor permission. This course focuses on the reading, discussion, and analysis of works by Hispanic Caribbean authors, with an emphasis on the history, cultural life, and social conditions of Cuba, Puerto Rico, and the Dominican Republic as it is reflected in the literature.

SPW 4905r. Directed Individual Study in Hispanic Literature (3). The approval of the faculty member, the divisional coordinator, the Associate Chair for Undergraduate Studies, and the department chair is required. The student and the faculty member will meet each week. May be repeated to a maximum of six semester hours.

SPW 4930r. Studies in Hispanic Literature (3). Prerequisites: Spanish majors and minors with minimum six semester hours in 3000- or 4000-level SPW courses or instructor permission. May be repeated when content varies for a total of six semester hours.

Turkish

TUT 3003. Turkish Culture and Civilization (3). This course offers a comprehensive exploration of Turkish culture and society by foregrounding the many diverse social currents, traditions, and ethnic groups that have shaped its profoundly multicultural identity. Includes topics such as education; public policy; its relations to the EU, the Arab World, and the U.S.; its literary and musical heritage; Islam, religion, and spiritualism; and its everyday cultural and social life such as family traditions, rituals, popular mentalities, holidays, folklore, hospitality, and gastronomy. Taught in English, all course materials in English.

TUT 3053. Turkish Cinema (3). This course studies how contemporary Turkish films confront identity issues in a Muslim country unique for being a secular democracy and a bridge culture between East and West. Students analyze how filmmakers address the socio-cultural dilemmas facing the individual in Turkish society (modern/traditional; eastern/western; urban/rural; religious/secular; nationalist/minority, etc.). The course also explores in detail the esthetic vision of a sample of successful Turkish filmmakers. Taught in English, course materials in English, and all films subtitled in English.

Graduate Courses

FOW 6907r. Directed Readings (1–6). (S/U grade only.)

Chinese

CHI 5505r. Readings in Chinese Literature (3).

CHI 5906r. Directed Individual Study (3). (S/U grade only.)

CHI 5910r. Supervised Research (1–5). (S/U grade only.)

CHI 5940r. Teaching Practicum (0–5). (S/U grade only.)

Foreign and Biblical Languages

FOL 5934r. Problems and Studies in Modern Languages and Literature (3).

Foreign Writings

FOW 5025. Critical Theory and Its Application to Non-English Literatures (3).

French

French and Francophone Language and Culture

FRE 5060. Graduate Reading Knowledge in French (3). (S/U grade only.)

FRE 5069r. Reading Knowledge Examination (0). (S/U grade only.)

FRE 5456. Comparative Stylistics (3).

FRE 5505. French and Francophone Cultures (3).

FRE 5535. Post-Colonial Cultures in France (3).

FRE 5755. Old French (3).

FRE 5756. Reading in Old French Language (3).

FRE 5900r. Studies in French Language and Literature (3).

FRE 5940r. Teaching Practicum (0–5). (S/U grade only.)

FRE 6925r. Tutorial in Professional Issues (0–2). (S/U grade only.)

FRW 5765r. Studies in Francophone Literatures and Cultures (3).

French Literature in Translation

FRT 5555. Immigration and National Identity in France (3).

French and Francophone Literatures, Cultures and Civilizations

FRW 5315. Classical Theatre of the 17th Century (3).

FRW 5415. Old French Literature (3).

FRW 5419r. Studies in Medieval French Literature: Figure or Genre (3).

FRW 5586r. Studies in 16th-Century Literature: Figure or Movement (3).

FRW 5587r. Studies in 17th-Century Literature: Figure or Movement (3).

FRW 5588r. Studies in 18th-Century Literature: Figure or Movement (3).

FRW 5595r. Studies in 19th-Century French Literature (3).

FRW 5598r. Studies in 20th-Century Pre-War (1900–1940) French Literature: Figure or Movement and/or Genre (3).

FRW 5599r. Studies in 20th-Century Post War (1940) French Literature: Figure or Movement and/or Genre (3).

FRW 5775r. Francophone Caribbean/African Cultures (3).

- FRW 5906r. Directed Individual Study (3). (S/U grade only.)
 FRW 5910r. Supervised Research (1–5). (S/U grade only.)
 FRW 6938r. Graduate Seminar in French Literature (3).

German

German Language

- GER 5060. Graduate Reading Knowledge in German (3). (S/U grade only.)
 GER 5069r. Reading Knowledge Examination (0). (S/U grade only.)
 GER 5425. Essay Workshop (3).
 GER 5906r. Studies in German Languages and Literature (3).
 GER 5940r. Teaching Practicum (0–5). (S/U grade only.)
 GER 6925r. Tutorial in Professional Issues (0–2). (S/U grade only.)

German Literature in Translation

- GET 5135. German Literature in Translation (3).
 GET 5525r. German Cinema (3).
 GET 5588r. Studies in a Theme (3).

German Literature (Writings)

- GEW 5208r. Studies in a Genre (3).
 GEW 5595r. Studies in a Theme (3).
 GEW 5596r. Studies in an Author or Movement (3).
 GEW 5597r. Studies in a Period: Special Topics (3).
 GEW 5906r. Directed Individual Study (3). (S/U grade only.)
 GEW 5915r. Supervised Research (1–5). (S/U grade only.)

Italian

Italian Language

- ITA 5060. Graduate Reading Knowledge in Italian (3). (S/U grade only.)
 ITA 5069r. Reading Knowledge Examination (0). (S/U grade only.)
 ITA 5455r. Advanced Italian Composition and Style (3).
 ITA 5505r. Italian Culture and Civilization (3).
 ITA 5900r. Studies in Italian Language and Literature (3).
 ITA 5940r. Teaching Practicum (0–5). (S/U grade only.)
 ITA 6925r. Tutorial in Professional Issues (0–2). (S/U grade only.)

Italian Literature (Writings)

- ITW 5415. Italian Renaissance Literature (3).
 ITW 5445r. 18th and 19th Century Italian Literature (3).
 ITW 5485r. 20th Century Italian Literature (3).
 ITW 5486r. Readings in Contemporary Italian Prose (3).
 ITW 5705r. The Trecento Writers (3).
 ITW 5905r. Directed Individual Study (3). (S/U grade only.)
 ITW 5910r. Supervised Research (1–5). (S/U grade only.)

Japanese

- JPN 5900r. Studies in Japanese Language and Literature (3).
 JPN 5906r. Directed Individual Study (3). (S/U grade only.)
 JPN 5915r. Supervised Research (1–5). (S/U grade only.)
 JPN 5940r. Teaching Practicum (0–5). (S/U grade only.)

Linguistics

- LIN 5035. Historical/Comparative Linguistics (3).
 LIN 5045. Descriptive Linguistics (3).
 LIN 5510. Transformational Grammar (3).
 LIN 5908r. Directed Individual Study (3). (S/U grade only.)
 LIN 5910r. Supervised Research (1–5).
 LIN 5932r. Topics in Linguistics (3).

Portuguese (Brazilian)

Portuguese Language

- POR 5069r. Graduate Reading Knowledge Examination: Portuguese (0). (S/U grade only.)
 POR 5930r. Studies in Portuguese (Brazilian) Language and Literature (3).
 POR 5940r. Teaching Practicum (0–5). (S/U grade only.)

Portuguese (Writings)

- POW 5905r. Directed Individual Study (3). (S/U grade only.)
 POW 5910r. Supervised Research (1–5). (S/U grade only.)

Russian

Russian Language

- RUS 5069r. Reading Knowledge Examination (0). (S/U grade only.)
 RUS 5415r. Graduate Russian Conversation and Comprehension (3). (S/U grade only.)
 RUS 5845. History of the Russian Language and Reading of Old Russian Texts (3).
 RUS 5940r. Teaching Practicum (0–5). (S/U grade only.)
 RUS 6925r. Tutorial in Professional Issues (0–2). (S/U grade only.)

Russian Literature in Translation

- RUT 5115. Seminar: Russian Literature in English Translation (3).

Russian Literature (Writings)

- RUW 5335. Russian Poetry (3).
 RUW 5375. Russian Short Story (3).
 RUW 5559r. Seminar in 19th-Century Russian Literature (3).
 RUW 5579r. Modern Russian Literature (3).
 RUW 5906r. Directed Individual Study (3). (S/U grade only.)
 RUW 5910r. Supervised Research (1–5). (S/U grade only.)
 RUW 5930r. Special Topics (3).

Serbo-Croatian

- SEC 5906r. Directed Individual Study (3). (S/U grade only.)
 SEC 5910r. Supervised Research (1–5). (S/U grade only.)

Slavic

- SLL 5906r. Directed Individual Study (3). (S/U grade only.)
 SLL 5915r. Supervised Research (1–5). (S/U grade only.)

Spanish

Spanish Language

- SPN 5060. Graduate Reading Knowledge in Spanish (3). (S/U grade only.)
 SPN 5069r. Reading Knowledge Examination (0). (S/U grade only.)
 SPN 5795. Phonology of Spanish (3).
 SPN 5805. Spanish Morphology and Syntax (3).
 SPN 5845. History of the Spanish Language (3).
 SPN 5900r. Studies in Hispanic Language and Literature (3).
 SPN 5940r. Teaching Practicum (0–5). (S/U grade only.)
 SPN 6925r. Tutorial in Professional Issues (0–2). (S/U grade only.)

Spanish Literature (Writings)

- SPW 5195r. Studies in Hispanic Literatures and Cultures (3).
 SPW 5216. Spanish Golden Age Prose (3).
 SPW 5275r. Spanish 20th-Century Novel (3).
 SPW 5315. Spanish Golden Age Theater (3).
 SPW 5337. Spanish Poetry through 1700 (3).
 SPW 5338r. Spanish Poetry from 1700 to Present (3).
 SPW 5356. Early and Modern Spanish American Poetry through Modernism (3).
 SPW 5357. Contemporary Spanish American Poetry since Modernism (3).
 SPW 5365. Spanish American Prose: Nonfiction (3).
 SPW 5385. Early and Modern Spanish American Prose Fiction to 1927 (3).
 SPW 5386. Contemporary Spanish American Prose Fiction since 1927 (3).
 SPW 5405. Medieval and Early Renaissance Spanish Literature (3).
 SPW 5486. Contemporary Spanish Women Writers (3).
 SPW 5496. Spanish-American Women Writers (3).
 SPW 5606. Cervantes (3).
 SPW 5757. 20th Century Mexican Prose (3).
 SPW 5908r. Directed Individual Study (3). (S/U grade only.)
 SPW 5910r. Supervised Research (1–5). (S/U grade only.)
 SPW 6806. Research Criticism and Professional Issues (3). (S/U grade only.)
 SPW 6934r. Topics in Hispanic Language and Literature (3).
 SPW 6939r. Seminar on a Spanish American Author (3).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

MOLECULAR BIOPHYSICS, PROGRAM IN:
see *Graduate Bulletin*

MOTION PICTURE ARTS

COLLEGE OF MOTION PICTURE ARTS

Web Page: <http://film.fsu.edu/>

Dean: Frank Patterson; **Associate Dean:** Reb Braddock; **Assistant Dean:** Fred Salancy; **Associate Professor:** Auzenne; **Assistant Professor:** Syder; **Filmmakers in Residence:** Allen, Carruth, Cohen, France, Kaleko, Long, Meyer, Nunez, Scoon, Simmons, Slade; **Dean Emeritus:** Fielding

The Florida State University College of Motion Picture Arts offers Bachelor of Fine Arts (BFA) and Master of Fine Arts (MFA) degrees. At the undergraduate level, the College offers BFA degrees with majors in Production and in Animation and Digital Arts. At the graduate level, the College offers MFA degrees in Production and in Writing to those admitted. The BFA programs combine schooling in motion picture production with solid grounding in liberal studies. The curriculum of each program directs students through a course of study that teaches the special language of motion picture storytelling through the production of a series of short, narrative projects. The College funds virtually all student production expenses, including those of the thesis projects, a portion of production design, and catering. Screenwriting, production, and film analysis are each viewed as part of an integrated process. The goal of the programs is to produce educated, literate, and creative artists who are prepared for careers in the motion picture industry. Core courses in the BFA majors include producing, directing, screenwriting, editing, camera and lighting, sound, production management, motion picture history, theory, and aesthetics. Please consult the *Graduate Bulletin* for information regarding the MFA program.

The purpose of this curriculum is to furnish the conceptual framework, the professional training and the working environment for eventual participation in a profession that is a powerful influence in our culture. The goals of the College of Motion Picture Arts are to fully educate students and to help them become integral members of the academic community of Florida State University, responsible members of the entertainment profession, and participants in a creative and artistic process.

The program in Motion Picture Arts is under constant review and subject to change. For further information, please refer to <http://film.fsu.edu>.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in the College of Motion Picture Arts satisfy this requirement by earning a grade of "C-" or higher in FIL 4972r, Thesis Film Production Management.

Requirements for a Major in Motion Picture Arts - Production

This major emphasizes three areas: production skills, screenwriting, and interpretative analysis. Traditional classes in these areas will be supplemented with: (1) problem-solving seminars simulating entertainment business dilemmas; (2) laboratory courses in production techniques; and (3) screenings and workshops conducted by active film professionals.

The degree will require completion of a minimum of one hundred twenty semester hours. For a sample listing of the required curriculum plan, please refer to <http://film.fsu.edu>.

To fulfill the requirements of the Production major in the College of Motion Picture Arts, a student must:

- Possess sufficient mobility, strength, and dexterity in both hands and legs to lift, carry, and operate filmmaking equipment
- Possess sufficient visual capacity to perform the functions of a film crew member without the assistance of visual aids other than contact lenses or eyeglasses
- Possess sufficient aural capacity to hear and understand spoken instructions without assistance other than a hearing aid
- Be able to comprehend oral and written instructions, policies, and procedures related to the College of Motion Picture Arts, filmmaking protocols, and the operation of equipment
- Possess the ability to adequately communicate orally, in English, with others

Requirements for a Major in Motion Picture Arts - Animation and Digital Arts

This major emphasizes three core areas: live-action and CG production skills, screenwriting and previsualization, and interpretative analysis.

Traditional classes in these areas will be supplemented with: (1) problem-solving seminars simulating entertainment business dilemmas; (2) laboratory courses in production techniques; and (3) screenings and workshops conducted by active professionals.

The degree will require completion of a minimum of one hundred twenty semester hours. For a sample listing of the required curriculum plan, please refer to <http://film.fsu.edu>.

To fulfill the requirements of the Animation and Digital Arts major in the College of Motion Picture Arts, a student must:

- Possess sufficient mobility, strength, and dexterity in both hands and legs to lift, carry, and operate filmmaking equipment
- Possess sufficient visual capacity to perform the functions of a film crew member without the assistance of visual aids other than contact lenses or eyeglasses
- Possess sufficient aural capacity to hear and understand spoken instructions without assistance other than a hearing aid
- Be able to comprehend oral and written instructions, policies, and procedures related to the College of Motion Picture Arts, filmmaking protocols, and the operation of equipment
- Possess the ability to adequately communicate orally, in English, with others

This major is only offered as a part of a dual-enrollment package with the Digital Domain Institute. During sophomore, junior, and senior years, students in the Animation and Digital Arts major are required to also enroll in a three-year diploma program from the Digital Domain Institute. This diploma program is designed to supplement the BFA curriculum with specialized, technical training in the production of CG animation and visual effects. The diploma program is a separate course of study from the BFA program; students are required to take both concurrently, but no course credits can transfer between the two programs. Graduating students earn two separate credentials: a Bachelor of Fine Arts degree from the Florida State University College of Motion Picture Arts; and a Digital Arts 3 Year Diploma from the Digital Domain Institute.

Admission

Admission to the College of Motion Picture Arts is limited access, making admission highly selective and competitive. Applicants must apply to Florida State University's Office of Admissions by their Fall admission deadline and must submit a separate application to the College of Motion Picture Arts. Each applicant must submit a resumé, three letters of recommendation, copies of high school and college transcripts, and a 500–1000 word essay describing his or her motivation for becoming a filmmaker. Any application that does not contain all these items will be considered incomplete and will be denied automatically. Applicants are *not* permitted to submit portfolio items such as DVDs, writing samples, or photographs. All application materials must be received online by the College of Motion Picture Arts no later than the University's Fall admission deadline for the applicant to be considered for admission the following Fall semester. More information concerning the undergraduate application is available online at <http://film.fsu.edu>.

Freshmen majors will not enroll in major classes prior to their sophomore year in order to concentrate full-time on fulfilling their liberal studies requirements. During sophomore, junior, and senior years, students in the Animation and Digital Arts major are required to be resident in West Palm Beach where classes for this major are delivered.

Grade Requirements

Motion Picture Arts majors must maintain a "B" average in all major requirements.

Retention

All students must meet the University's minimum retention standards as well as the College of Motion Picture Arts Professional Code of Conduct. In addition, continuation as a major will depend on the development of each student's talents, skills, professional discipline, and academic record. A student's work and commitment are under continuous review, and any candidate who fails to maintain high standards will be dismissed from the program.

Probation and/or Dismissal

Motion Picture Arts majors will adhere to the University Academic Honor System, Student Conduct Code, and Summons to Responsible Freedom.

At the end of each semester, the faculty and director will meet to discuss the work, behavior, grades, and progress of the majors. At that time, students may

be notified of probation or dismissal by a letter stating their status, with an invitation to meet with the Associate Dean. In addition, a student may be placed on probation or dismissed at any time under the following circumstances:

1. If the cumulative GPA falls below 3.0 in all major requirements, it will result in a one-semester probation. Students will be reinstated in good standing if the cumulative major GPA rises to 3.0 by the end of the following semester. Failure to raise the GPA will result in dismissal from the program.
2. Attendance will be taken in all classes at the beginning of class. Anyone not in class at that time will be considered absent. Anyone leaving class early may also be counted as absent. Approval of absences is up to the instructor and will require documentation to confirm the legitimacy of the absence.
3. Professional behavior is expected of film majors at all times. Therefore, behavior so negative, disruptive, or destructive as to compromise the work of fellow students or the effectiveness of the faculty and/or inability to work positively in a collaborative environment shall constitute grounds for probation or immediate dismissal without any prior period of probation. Peer evaluations may be considered in this evaluation process. A student on probation will be reinstated in good standing if, in the judgment of the faculty and the director, behavioral problems have been corrected. A student's failure to correct problems will result in dismissal from the program.
4. Any unauthorized use, possession, or willful destruction of College of Motion Picture Arts equipment, facilities, film stock, or finished film will result in immediate notification to the proper authorities. The outcome of their decisions will determine the actions of the College of Motion Picture Arts with respect to the student(s) involved.

Liberal Studies Program

All undergraduate majors in the College of Motion Picture Arts are required to meet Florida State University's liberal studies requirements as specified in the "Undergraduate Degree Requirements" chapter of this *General Bulletin*.

Transfer Students

The College of Motion Picture Arts will accept transfer students for admission each Fall semester, and those students must have completed twenty-seven semester hours of their liberal studies requirements prior to their initial Fall semester in the College. Applications must be submitted separately to both the College of Motion Picture Arts and the Florida State University Office of Admissions. The College of Motion Picture Arts application is available online at <http://film.fsu.edu>. Transfer students must satisfy the same major requirements as students who take all of their coursework in the College of Motion Picture Arts.

Honors in the Major

The College of Motion Picture Arts offers an Honors in the Major program to encourage talented seniors to write a feature-length screenplay or undertake independent and original research as part of the Bachelor of Fine Arts degree. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Health Insurance

Students seeking degrees in certain majors, including film, assume any exposure to the particular hazards associated with that major. As protection for our students, the College of Motion Picture Arts requires that majors present proof of health and accident insurance prior to registration in the Fall semester each year. Students are expected to maintain this insurance throughout their enrollment in the program.

Film Studies Minor in the College of Motion Picture Arts

The film studies minor will give students the opportunity to select a program of study that examines the many facets of American and international cinema. The interdisciplinary nature of the program allows students to experience different approaches to film study: film and cultural differences, basic film vocabulary, film history, film and social forces, film genres, film theories, film directors, and film aesthetics. No production classes are offered in the film studies minor.

Requirements for a Minor in Film Studies

The interdisciplinary minor requires the completion of fifteen semester hours in courses approved for film studies. All students are required to take

either FIL 2001 Introduction to Film or FIL 2030 Film History. The remaining hours may be selected from the film studies offerings. Courses counted toward the film studies minor cannot be counted toward the major.

For additional information on a film minor, please visit <http://film.fsu.edu/Programs/Minor-in-Film-Studies>.

Core Courses (one required of all minors)

FIL	2001	Introduction to Film (3)
FIL	2030	History of Motion Pictures (3)

Other Film Studies Courses

ANT	4930	Special Topics in Anthropology: Anthropology through Film (3)
CHT	3391	Chinese Cinema and Culture (3)
ENG	3110	Film Genres (3)
ENG	4115	Film Theory (3)
FRT	3520r	French Cinema (3)
GET	3524r	German Cinema (3)
HUM	3321	Multicultural Dimensions of Film and 20th-Century Culture (3)
ITT	3523r	Italian Cinema (3)
JPT	3391	Japanese Film and Culture (3)
MEL	7110	Bioethics on Film (2–12)
PRT	3391	Brazilian Literature and Film in Translation (3)
RTV	3001	Media Techniques (3)
RTV	3101	Writing for the Electronic Media (3)
RTV	3104	Narrative Writing for Television and Film (3)
RUT	3523r	Russian Cinema (3)
SPW	3391r	Hispanic Cinema (3)

Definition of Prefix

FIL—Film

Undergraduate Courses

FIL 2001. Introduction to Film (3). Introduction to the basic terminology, techniques, and contributions of filmmaking and critical analysis skills to film/video form and content.

FIL 2030. History of Motion Pictures (3). Overview of international film as an industry, mass medium, and art form.

FIL 2090r. Professional Communication (1). Prerequisite: Major status. This course provides instruction in oral presentation and communication skills for professional settings in the motion picture industry. May be repeated to a maximum of three semester hours.

FIL 2110. Screenwriting I (3). Prerequisite: Major status. Introduction to the basic techniques of screenwriting and storyboarding. Exercises in story structure, dialogue, and character development. Introduction to screenwriting and storyboarding computer software.

FIL 2423. Filmmaking I (3). Prerequisite: Major status. Provides a basic understanding of film production technology, equipment operation, terminology, and techniques.

FIL 2533. Film Sound (3). Prerequisite: Major status. Teaches the principles of sound and the basic practices involved in creating a motion picture sound track. Also covers the aesthetic use of sound in motion pictures.

FIL 2552. Film Editing (3). Prerequisite: Major status. Analyzes, discusses, and puts into practice the skills and techniques required to edit a narrative motion picture.

FIL 2710. Visualization I (3). Prerequisite: Major status. This course provides an introduction to the visual communication skills and techniques required for the development and previsualization of narrative motion pictures.

FIL 2730. Introduction to 3D Computer Graphics (3). Prerequisite: Major status. This course provides instruction in using industry-standard 3D tools to generate assets, light scenes, and render images. Students apply course concepts to create an original vfx scene extension shot.

FIL 2731. Introduction to 3D Computer Animation (3). Prerequisite: Major status. This course provides instruction in the foundation principles of animation. Students apply course concepts to create original animation that conveys emotion and demonstrates basic understanding of body mechanics.

FIL 3132. Screenwriting II (3). Prerequisite: Major status. Development of sophisticated story ideas, treatments, character biographies, storyboards, step-outlines, first drafts, and revisions of both original ideas and adaptations.

FIL 3363r. Documentary Filmmaking (1–6). Prerequisite: Major status. View and discuss documentary films from various eras, countries, and points of view as a means of understanding personal aesthetic as a documentary filmmaker. Students plan, script, budget, shoot, edit, and mix documentaries. May be repeated to a maximum of six semester hours.

FIL 3433. Filmmaking II (3). Prerequisite: Major status. Provides understanding of objective oriented acting techniques and develops effective methods for working with actors in rehearsal and on set. Requires directing a short film project.

FIL 3516. Film Camera and Lighting (3). Prerequisite: Major status. Provides a theoretical and practical knowledge of all aspects of cinematography: cameras and lenses, film stocks, exposure, lights, lighting, and composition.

FIL 3711. Visualization II (3). Prerequisite: Major status. This course provides an intermediary-level instruction in the visual development skills required for the preproduction and previsualization of narrative motion pictures.

FIL 3736. Character Animation (3–6). Prerequisite: Major status. This course provides instruction in developing and creating believable and compelling animated characters. Topics and skills covered include body mechanics, facial animation, lip synching, conveying human emotion, acting theory for animators, and production processes from planning shots to final polishing.

FIL 3803. The Contemporary Cinema: Theory and Practice (3). This course is a review and analysis of post-1950 motion pictures with emphasis on technique and industrial evolutions.

FIL 3833r. Film Styles (3–6). Prerequisite: Major status. Analyzes motion picture form and content through the styles of selected filmmakers with emphasis on genres, national movements, and other topics of interest. May be repeated to a maximum of six semester hours.

FIL 3922r. Film Genres and Filmmakers (1). Prerequisite: Major status. Provides students the opportunity to view historical and current films followed by discussions in an academic forum. May be repeated to a maximum of six semester hours.

FIL 3932r. Special Topics (3–12). Prerequisite: Major status. An analysis of specialized topics in motion pictures. May be repeated during the same term to a maximum of twelve semester hours.

FIL 3963. BFA Qualifying Exam (0). Prerequisite: Major status. Evaluates the progress of the student and recommends continuance in the Film School or directs the student toward other areas of study.

FIL 3971r. Thesis Film Support (2–12). (S/U grade only.) Prerequisite: Major status. Principles and responsibilities of grips, gaffers, assistant directors, assistant camerapersons, and production managers, as well as the performance of these responsibilities on the set of BFA thesis films. May be repeated to a maximum of twelve semester hours.

FIL 4135. Screenwriting III (3). Prerequisite: Major status. Development of thesis script story ideas, treatments, character biographies, storyboards, step-outline, first drafts, and revisions of both original ideas and adaptations.

FIL 4160. Feature Screenwriting (3). Prerequisite: Major status. Teaches aspects of feature screenwriting format, pitching ideas, creating and developing character, story, and dialogue.

FIL 4164. Feature Screenwriting: Development (3). Prerequisite: Major status. Teaches the various techniques of scene breakdown, setting up, sequencing, character development, and dialogue development. Also teaches rewriting techniques to strengthen first drafts.

FIL 4434r. Advanced Filmmaking (3–9). Prerequisite: Major status. Advanced principles and practice of making a short, sync-sound, 16 mm film. May be repeated to a maximum of nine semester hours; duplicate registration allowed within the same term.

FIL 4474. Production: Advanced Cinematography (3). Prerequisite: Major status. Introduces advanced lighting techniques and allows hands-on exercises emphasizing the creative use of lighting for mood and storytelling.

FIL 4539. Production: Advanced Sound (3). Prerequisite: Major status. Course provides students with a thorough understanding of digital sound recording, sound mixing, and various stages of sound post-production as it applies to 16mm filmmaking.

FIL 4567. Production: Advanced Editing (3). Prerequisite: Major status. Offers advanced study in film editing techniques and styles.

FIL 4602. Film Business Planning (3). Prerequisite: Major status. Exposes students to current business trends and issues in the film industry; introduces case studies that examine all business aspects surrounding a feature film; introduces current readings on the film industry.

FIL 4613. Film Exhibition and Advertising (3). Prerequisite: Major status. To provide background in the marketing, advertising, and exhibition of film to audiences.

FIL 4653. Film Law (3). Prerequisite: Major status. Provides a working knowledge of the specialized concepts and vocabulary pertaining to entertainment-related forms of intellectual property and the contractual relationships necessary to finance, create, and license various forms of entertainment.

FIL 4654. Film Producing and Finance (3). Prerequisite: Major status. An introduction to the techniques necessary to create a responsible business approach for the production of motion pictures and to create a greater individual awareness of the motion picture producer as a career opportunity.

FIL 4712r. Visualization III (3). Prerequisite: Major status. This course provides an advanced-level instruction in the visual development skills required for the preproduction and previsualization of narrative motion pictures. May be repeated to a maximum of six semester hours.

FIL 4872. Film Aesthetics (3). Prerequisite: Major status. Analysis of film with regard to three basic questions: 1) What is film? 2) How do we perceive film? 3) How is an aesthetic developed?

FIL 4905r. Directed Individual Study (1–3). (S/U grade only.) Prerequisites: Major status and junior standing. May be repeated to a maximum of six semester hours.

FIL 4910r. Application of Research and Creative Methods (1–3). (S/U grade only.) Prerequisites: Major status and junior standing. Participation in a faculty or graduate student research and/or creative project. May be repeated to a maximum of six semester hours.

FIL 4923r. Undergraduate Film Seminar (1–6). Prerequisite: Major status. Development of a creative film project under the direction of a faculty member or industry professional in various areas. May be repeated to a maximum of six semester hours.

FIL 4933. Professional Development (3). Prerequisite: Major status. Course prepares students to enter the professional film work arena; addresses the search for employment within the film industry and the search for funds to produce independent work.

FIL 4940r. Application of Instruction Methods (1-3). (S/U grade only.) Prerequisite: Major status. Participation in the instructional process under the strict supervision of a faculty member. May be repeated to a maximum of six semester hours.

FIL 4945r. Professional Internship (1-12). (S/U grade only.) Prerequisite: Major status. Apprenticeship experience with a company involved in film/video production, distribution, or exhibition. May be repeated to a maximum of twelve semester hours.

FIL 4970r. Thesis Defense (0). (P/F grade only.) Prerequisite: Major status. Presentation of senior thesis film to the faculty and student body for review and approval.

FIL 4972r. Thesis Film Production Management (3-6). Prerequisite: Major status. Production management for BFA thesis films. May be repeated to a maximum of fifteen semester hours.

FIL 4973r. Thesis Film (1-15). Prerequisite: Major status. Study and practice of all the creative aspects of BFA thesis films. May be repeated to a maximum of fifteen semester hours.

FIL 4975r. Undergraduate Honors Thesis (1-6). Prerequisites: Admission to the undergraduate Film School honors program and major status. Student must complete a minimum of six semester hours; may be repeated to a maximum of nine semester hours.

FIL 4976. Thesis Script Rewrite (3). Prerequisite: Major status. Course trains one to articulate on paper an idea that is both discernible and visual in the form of a collection of interesting moments that add up to tell a story.

Graduate Courses

- FIL 5021.** History and Criticism I (3).
FIL 5022. History and Criticism II (3).
FIL 5155L. Screenwriting 1: Techniques and Treatments (2-6).
FIL 5156L. Screenwriting 2: Narrative Techniques (2-6).
FIL 5157L. Screenwriting 3: Advanced Workshop (2-6).
FIL 5159. Screenwriting V: Motion Picture Workshop (3).
FIL 5408r. Preproduction and Production Planning (3-12).
FIL 5429L. Basic Film Production (2-6).
FIL 5458r. Principles and Practice of Technical and Creative Support (3).
FIL 5459r. Practicum in Technical Support (1-12).
FIL 5484Lr. Directing Actors (2).
FIL 5498Lr. Advanced Directing (2).
FIL 5499. Acting for the Camera (3).
FIL 5519L. Camera and Light Mechanics (2-6).
FIL 5546. Advanced Sound (2-6).
FIL 5555L. Film Editing (2-4).
FIL 5568L. Advanced Editing (2-6).
FIL 5590L. Lighting Workshop (2-6).
FIL 5591r. Production Design Workshop (2-12).
FIL 5592L. Sound Workshop (2).
FIL 5593L. Postproduction Sound Workshop (2).
FIL 5594r. Directing: Multicamera Workshop (3-9).
FIL 5595Lr. Directing: Single-Camera Workshop (2).
FIL 5635. Distribution and Financing Workshop (3).
FIL 5636Lr. Advanced Workshop in Area of Specialization (2-12).
FIL 5642L. Producing 1 (2).
FIL 5646L. Producing 2 (2).
FIL 5648Lr. Production Management (2).
FIL 5774r. Basic Video Production (3-6).
FIL 5781. Intermediate Television Editing (3).
FIL 5782. Advanced Television Editing (3).
FIL 5805r. Critical Studies in Film and Television (3).
FIL 5806. Critical Methods in Motion Picture, Television, and Recording Arts (3).
FIL 5807. Critical Methods of Film Analysis (3).
FIL 5875r. Film Aesthetics (1).
FIL 5906r. Directed Individual Study (3-12). (S/U grade only.)
FIL 5912r. Supervised Research or Creative Activity (3). (S/U grade only.)
FIL 5921r. Colloquium in Motion Picture, Television, and Recording Arts (3).
FIL 5930r. Proseminar in Motion Picture, Television, and Recording Arts (1). (S/U grade only.)
FIL 5931r. Special Topics in Motion Picture, Television, and Recording Arts (3-12).
FIL 5955r. Apprenticeship (1-12). (S/U grade only.)
FIL 5962r. MFA Qualifying Project (3-15).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

MOTOR BEHAVIOR:
see Nutrition, Food and Exercise Sciences

MOVEMENT SCIENCE:
see Nutrition, Food and Exercise Sciences

MULTILINGUAL/MULTICULTURAL EDUCATION:
see Middle and Secondary Education

MUSIC

COLLEGE OF MUSIC

Web Page: <http://www.music.fsu.edu/>

Professors: Bakan, Beckman, Bowers, Chapo, Clary, Clendinning, Darrow, Drew, Dunnigan, Fenton, Fisher, Fredrickson, Gerber, Geringer, Gibson, Hoekman, Keesecker, Kelly, Kraus, Kubik, Lata, Madsen, Meighan, Ohlsson, Ryan, D. Seaton, Standley, Thomas, Von Glahn, Welch, Zwilich; **Associate Professors:** Amsler, Anderson, Andrews, Bish, Brewer, Brister-Rachwal, Buchler, Callender, Close, Ebbers, Gaber, Gainsford, Gregory, Gunderson, Holzman, Jimenez, Jones, Jordan, Kennedy, Mathes, Moore, Parks, Peterson, Porter, Punter, Rogers, Roman, Sauer, Shaftel, Stebleton, Trujillo, Van Weelden, Wingate; **Assistant Professors:** Barnhart, Bugaj, Ciesinski, Hastings, Jackson, Kalhous, McKee, Okerlund, Roberts, Stillwell, Sung, Williams; **Visiting Professors:** Broyles, Corzine, Delp, Kite-Powell; **Visiting Assistant Professors:** Akers, Arsenault, Atkins, Carrasco, Davis, Deng, Hunt, N. Mastrogiacomio, Nodine, Weissenberger; **Program Directors:** Garee, Hodges, Lima, McArthur, G. Seaton; **Music Specialist:** Songsiridej; **Faculty Librarian:** Green; **Associate Librarian:** Cohen

The College of Music has been a fully accredited member of the National Association of Schools of Music since 1930, and its degree requirements are in accordance with the latest published regulations of that association.

Undergraduate Degrees

The following are the undergraduate degrees offered by the College of Music:

Bachelor of Arts in Music

Bachelor of Music—Composition

Bachelor of Music—Music Theory

Bachelor of Music—Music Therapy

Bachelor of Music—Performance

Brass

Guitar (classical)

Harp

Music Theatre

Organ

Percussion

Piano

Strings (cello, double bass, viola, violin)

Voice

Woodwinds

Bachelor of Music Education

Choral

Instrumental

General

In addition to the Bachelor of Music (BM) and Bachelor of Music Education (BME) degrees, the Bachelor of Arts (BA) degree in music is offered through the College of Music. The College of Music also provides a music minor for the divisions of the University that require a minor course of study.

For complete details of undergraduate degree requirements, plus a description of the college, its facilities, opportunities, and available financial assistance, refer to the "College of Music" chapter of this *General Bulletin*.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in the music BA program satisfy this requirement by earning a grade of "C–" or higher in CGS 2060, CGS 2064, CGS 2100, CGS 3406, EME 2040, ISC 3313, MUE 4690, or MUS 2360. Undergraduate majors in music teacher education satisfy this requirement by earning a grade of "C–" or higher in MUE 4690. Undergraduate majors in music composition, music performance, music theatre, music theory, and music therapy satisfy this requirement by earning a grade of "C–" or higher in MUS 2360.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at ei-

ther a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.fvvc.org/fvvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

Music

1. MUT X111 or MUT X121
2. MUT X112 or MUT X122
3. MUT X116 or MUT X126
4. MUT X117 or MUT X127
5. MUT X241 and MUT X242 and MUT X246 and MUT X247, or MUT X221 and MUT X222 and MUT X226 and MUT X227, or MUT X271 and MUT X272 and MUT X276 and MUT X277
6. MUN XXXX: one course for four credit hours
7. MVX XX1X: one course for two to four credit hours
8. MVX XX2X: one course for two to four credit hours
9. XXX XXXX: recommended courses vary from track to track
10. Secondary piano: proficiency by examination, or MVK X111 and MVK X112 and MVK X121 and MVK X122, or MVK X111r and MVK X111r and MVK X121r and MVK X121r and MVK X211 and MVK X221 as needed to achieve piano proficiency.

Note: Duplicate courses such as MVK X111r may be repeated up to four times.

Music Composition

1. MUT X111 or MUT X121
2. MUT X112 or MUT X122
3. MUT X116 or MUT X126
4. MUT X117 or MUT X127
5. MUT X241 and MUT X242 and MUT X246 and MUT X247, or MUT X221 and MUT X222 and MUT X226 and MUT X227, or MUT X271 and MUT X272 and MUT X276 and MUT X277
6. MUN XXXX: one course for four credit hours
7. MVX XX1X: one course for two to four credit hours
8. MVX XX2X: one course for two to four credit hours
9. XXX XXXX: recommended courses vary from track to track
10. Secondary piano: proficiency by examination, or MVK X111 and MVK X112 and MVK X121 and MVK X122, or MVK X111r and MVK X111r and MVK X121r and MVK X121r and MVK X211 and MVK X221 as needed to achieve piano proficiency.

Note: Duplicate courses such as MVK X111r may be repeated up to four times.

Music Teacher Education

1. EDF X005
2. EDF X085

Note: In addition to EDG X085, a minimum of six credit hours with an international or diversity focus is required. Eligible courses will be determined by the institution where the student is currently earning his or her Associate in Arts (AA) or baccalaureate degree. Foreign language courses may be used to meet this requirement. Contact the department and/or adviser for details.

3. EME X040
4. MUT X111 or MUT X121
5. MUT X112 or MUT X122
6. MUT X116 or MUT X126
7. MUT X117 or MUT X127
8. MUT X241 and MUT X242 and MUT X246 and MUT X247, or MUT X221 and MUT X222 and MUT X226 and MUT X227, or MUT X271 and MUT X272 and MUT X276 and MUT X277
9. MUN XXXX: one course for four credit hours
10. MVX XX1X: one course for two to four credit hours
11. MVX XX2X: one course for two to four credit hours

12. XXX XXXX: recommended courses vary from track to track
13. Secondary piano: proficiency by examination, or MVK X111 and MVK X112 and MVK X121 and MVK X122, or MVK X111r and MVK X114 and MVK X121r and MVK X121r and MVK X211 and MVK X221 as needed to achieve piano proficiency.
Note: Duplicate courses such as MVK X111r may be repeated up to four times.

Music Performance

1. MUT X111 or MUT X121
2. MUT X112 or MUT X122
3. MUT X116 or MUT X126
4. MUT X117 or MUT X127
5. MUT X241 and MUT X242 and MUT X246 and MUT X247, or MUT X221 and MUT X222 and MUT X226 and MUT X227, or MUT X271 and MUT X272 and MUT X276 and MUT X277
6. MUN XXXX: one course for four credit hours
7. MVX XX1X: one course for two to four credit hours
8. MVX XX2X: one course for two to four credit hours
9. XXX XXXX: recommended courses vary from track to track
10. Secondary piano: proficiency by examination, or MVK X111 and MVK X112 and MVK X121 and MVK X122, or MVK X111r and MVK X111r and MVK X121r and MVK X121r and MVK X211 and MVK X221 as needed to achieve piano proficiency.
Note: Duplicate courses such as MVK X111r may be repeated up to four times.

Music Theory

1. MUT X111 or MUT X121
2. MUT X112 or MUT X122
3. MUT X116 or MUT X126
4. MUT X117 or MUT X127
5. MUT X241 and MUT X242 and MUT X246 and MUT X247, or MUT X221 and MUT X222 and MUT X226 and MUT X227, or MUT X271 and MUT X272 and MUT X276 and MUT X277
6. MUN XXXX: one course for four credit hours
7. MVX XX1X: one course for two to four credit hours
8. MVX XX2X: one course for two to four credit hours
9. XXX XXXX: recommended courses are MUH X512, MUH X513, MUL X110, MUS X010, GER X120, GER X121, GER XXXX, and MUL X111
10. Secondary piano: proficiency by examination, or MVK X111 and MVK X112 and MVK X121 and MVK X122, or MVK X111r and MVK X111r and MVK X121r and MVK X121r and MVK X211 and MVK X221 as needed to achieve piano proficiency.
Note: Duplicate courses such as MVK X111r may be repeated up to four times.

Music Therapy

1. MUT X111 or MUT X121
2. MUT X112 or MUT X122
3. MUT X116 or MUT X126
4. MUT X117 or MUT X127
5. MUT X241 and MUT X242 and MUT X246 and MUT X247, or MUT X221 and MUT X222 and MUT X226 and MUT X227, or MUT X261 and MUT X262 and MUT X266 and MUT X267, or MUT X271 and MUT X272 and MUT X276 and MUT X277
6. MVK X111 and MVK X112 and MVK X121 and MVK X122 or secondary piano (proficiency by examination), or MVK X111r and MVK X111r and MVK X121r and MVK X121r and MVK X121r and MVK X211 and MVK X221
Note: Duplicate courses such as MVK X111r may be repeated up to four times.
7. MUN XXXX: one course for four credit hours
8. MVX XX1X: one course for two to six credit hours
9. MVX XX2X: one course for two to six credit hours

10. XXX XXXX: recommended courses are MUH X512, MUH X513, MUL X110, MUS X010, MVV X111, MVS X116, MUE X440, MUE X412, PSY X012, and MUL X111

Honors in the Major

The College of Music offers honors in the major to encourage talented students to undertake independent research. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Graduate Degrees

The following are the graduate degrees offered by the College of Music:

Master of Arts in Art Administration

Master of Arts in Music

Master of Music

Accompanying

Choral conducting

Composition

Instrumental conducting

Jazz studies

Music theory

Music therapy

Musicology (both historical and ethnomusicology)

Opera

Performance

Piano pedagogy

Master of Music Education

Doctor of Philosophy in Music Education

Doctor of Philosophy in Music

Musicology

Music Theory and Composition

Doctor of Music in Composition

Doctor of Music in Performance

Details of graduate programs can be found in the *Graduate Bulletin*.

Definition of Prefixes

MUC—Music: Composition

MUE—Music Education

MUG—Music: Conducting

MUH—Music: History/Musicology

MUL—Music Literature

MUM—Music: Commercial/Management/Administration

MUN—Music Ensembles

MUO—Music: Opera/Music Theatre

MUR—Music: Church

MUS—Music

MUT—Music: Theory

MUY—Music: Therapy

MVB—Applied Music: Brasses

MVH—Historical Instruments

MVJ—Applied Music: Jazz

MVK—Applied Music: Keyboard

MVO—Applied Music: Other

MVP—Applied Music: Percussion

MVS—Applied Music: Strings

MVV—Applied Music: Voice

MVW—Applied Music: Woodwinds

Undergraduate Courses

Composition

MUC 1211. Composition (2). Prerequisites: MUT 1111, MUT 1241, and instructor permission. For composition majors only. The elements of form and composition.

MUC 2221r. Composition (2). Prerequisite: MUC 1211. For composition majors only. Techniques of composition. May be repeated to a maximum of four semester hours.

MUC 3231r. Composition (3). Prerequisites: MUC 2221r and instructor permission. For composition majors only. May be repeated to a maximum of six semester hours.

MUC 3610r. Film Scoring (3). Prerequisite: Instructor permission. Techniques of film scoring and review of application requirements. May be repeated to a maximum of six semester hours.

MUC 3620r. Jazz Composition (3). Techniques of creative jazz composition and literature. May be repeated to a maximum of semester hours.

MUC 4103r. Composition (2). Prerequisite: MUT 2117. For non-composition majors only. May be repeated to a maximum of four semester hours.

MUC 4241r. Composition (3). Prerequisite: MUC 3231r. For composition majors only. May be repeated to a maximum of six semester hours.

MUC 4950. Composition Senior Recital (0). (S/U grade only.)

Music Education

MUE 1090. Orientation to Music Education/Music Therapy (1). (S/U grade only.)

MUE 1093. Freshman Seminar (1).

MUE 2040. Introduction to Teaching Music (3). Prerequisite: MV (B, J, K, O, S, V, W) 1310r–1319r series or instructor permission. An introduction to music teaching and learning.

MUE 2290. Personal Growth in Music (2). Systematic study of the elements of music. For non-music majors.

MUE 2390. Teaching Music to Diverse Populations (3). An introduction to the learning problems and needs of special education, early intervention, at-risk, and ESL children and those from diverse cultures, with applicable teaching methodology specific to music education curricula and goals.

MUE 2410. Choral Techniques for Non-Voice Principals (2). Prerequisite: Non-vocal music education majors or instructor permission. Corequisite: University Chorale (Summer) or approved substitute. Individual and group vocal techniques for the non-vocal music education major.

MUE 2412. Introduction to Wind and Percussion Instruments (2). Methods of tone production and pedagogy of brass, woodwind, and percussion instruments. Required of music education choral majors.

MUE 2440. Introduction to String Instruments (2). Methods of tone production and pedagogy of string instruments. Required of music education choral majors.

MUE 3091. Orientation to Music Education/Therapy (1). (S/U grade only.) An orientation to the career options in music therapy.

MUE 3311. Reading and Teaching Music: Elementary (3). This course seeks to introduce the prospective music teacher to a variety of skills and techniques necessary for successful teaching in elementary school settings.

MUE 3334. Assessment and Teaching Music: Secondary Schools (3). Prerequisite: MUE 3311. Designed for undergraduate music education majors planning to teach general music classes in secondary schools, this course provides knowledge and experiences aimed at improving the student's understanding, skills, and confidence as a teacher and musician.

MUE 3343. The Instrumental Program Strings and Orchestra (3). Required of music education instrumental majors.

MUE 3344. Teaching General Music K–12 (3). Prerequisites: MUE 3311 and MUE 3334. The rationale, sequence, and learning theory in relation to music for the general student (K–12).

MUE 3441. Methods of String Instruction (3). In this course, students have the opportunity to read current writings on string pedagogy, develop performance skills on two stringed instruments, and observe professionals teaching strings in the public schools. This course is required of all undergraduate instrumental music education majors.

MUE 3443. Introduction to Teaching String Instruments (3). Prerequisite: Admission to professional sequence or instructor permission. Teaching and performance techniques for string instruments.

MUE 3456. Techniques and Teaching: Oboe, Bassoon (2). The application of performance and teaching techniques and practices unique to oboe and bassoon.

MUE 3457. Techniques and Teaching: Flute, Clarinet, Saxophone (2). The application of performance and teaching techniques and practices unique to flute, clarinet, and saxophone.

MUE 3465. Techniques and Teaching: Brass Instruments (2). The application of performance and teaching techniques and practices unique to brasses.

MUE 3475. Techniques and Teaching: Percussion Instruments (2). The application of performance and teaching techniques and practices unique to percussion.

MUE 3491. Communication Skills for the Musician: Choral (2). This course introduces development of choral, verbal, and non-verbal communication skills; conducting skills; and knowledge of choral literature.

MUE 3492. Choral Literature and Conducting (2). Concurrent registration in MUE 3495r is required.

MUE 3493. Communication Skills for the Musician: Instrumental (2). This course examines communication in the conducting of instrumental music in public schools. It emphasizes verbal and non-verbal rehearsal techniques and the application of pedagogical skills in the classroom.

MUE 3494. Band and Orchestral Literature and Conducting (2). Concurrent registration in MUE 3496r is required.

MUE 3495r–3496r. Music Education Laboratory (one hour each.) Required of all music education majors. MUE 3495r and 3496r each may be repeated to a maximum of four semester hours. 3495r Choral, 3496r Instrumental.

MUE 4044. Music Education in the American Society (3). This course analyzes the interaction of society, culture, and musical behavior with the activities, attitudes, and behaviors in the United States' school systems.

MUE 4092r. Arts in Medicine Services (1–3). This course orients, teaches, and coordinates students who wish to volunteer for Arts in Medicine practica at Tallahassee Memorial HealthCare. The purpose of the course is to allow each student to use his/her particular talents to benefit Tallahassee Memorial HealthCare patients, families, and staff. For each hour of academic credit, students are required to complete two hours per week of volunteer service throughout the semester. May be repeated to a maximum of three semester hours.

MUE 4342. The Instrumental Program in the Schools Band (2). Prerequisites: MUE 3343 and MUE 3494.

MUE 4391. Music in Special Education (3). Techniques of teaching music to children in special education programs. Open to music and non-music majors.

MUE 4392. Classroom Management, Safety, Law, and Ethics (3). This course examines the following issues: specific techniques in classroom management, discipline, crises prevention and intervention; techniques for providing a safe and positive classroom environment for all students; and knowledge concerning professional ethics, and legal expectations.

MUE 4397. Survey of Vocal Diction for Choral Music Educators (2).

MUE 4411. Choral Techniques (4). Prerequisite: MUE 3491–3492 or instructor permission. Chorus and choral problems: organization, rehearsal, repertory, diction, intonation, tone quality, balance, blend, and style. Concurrent registration in MUE 3495r is required.

MUE 4433. Vocal Pedagogy in Music Education (2). Prerequisite: Junior standing in music education. A study of voice teaching methods for music education majors.

MUE 4480. Marching Band Techniques (1). The study of current marching band techniques, methods, and styles and their application to secondary public school music education programs.

MUE 4481. Jazz Ensemble Techniques (1). A course designed to study the implementation and administration of the jazz ensemble in the public school music program.

MUE 4690. Technology for the Music Classroom (3). Prerequisite: Placement in 2000-level courses or instructor permission. This course combines reading, discussion, and hands-on projects to achieve an understanding of how computers work and how they can be incorporated effectively in the music classroom from K–12.

MUE 4940. Internship in Music (12). (S/U grade only.) Prerequisites: Senior standing and instructor permission.

MUS 4651. Nonverbal Communication in Human Interaction (2). This course contributes to the students' knowledge and skill in decoding and encoding nonverbal communication and develops survival skills in American Sign Language.

MUY 4300. Medical Music Therapy (3). The purposes of this course are to understand the role and scope of music therapy in medical treatment; to learn to design music activities in medical situations to reduce pain, anxiety, and distress; to participate in field experiences observing medical music therapy practices in a hospital setting; and to learn medical documentation for clinical music therapy.

Conducting

MUG 3104. Conducting (1). Prerequisite: MUT 1112. The elements of conducting and rehearsal techniques.

MUG 4102. Advanced Conducting (2). Prerequisite: MUG 3104. Continued theory and practice of conducting.

Music History

MUH 2011. Introduction to Music History—Music Appreciation: 18th and 19th Centuries (3). For non-music majors. Meets liberal studies requirements in area IV. A survey of musical expression in relation to the background of the life and art that created it, encompassing the great periods of music history of the 18th and 19th centuries, composers and their musical masterpieces, styles, and forms.

MUH 2012. Music in Western Culture, 19th and 20th Centuries (3). For non-music majors. Meets liberal studies requirements in area IV. A survey of the music literature and composers of the 19th and 20th centuries. This course will explore music and its relation to the other arts, the historical events of the times, and the milieu in which the music literature was created.

MUH 2019. Modern Popular Music (3). A survey of the development of popular music from the 1950s to the present, examining both the music and the cultural, social, economic, technological, and political conditions surrounding that music.

MUH 2051. Music Cultures of the World I (3). For non-music majors only. Meets the University multicultural component for the liberal studies requirements in cross-cultural studies.

MUH 2512. Music Cultures of the World I, II (2, 2). For music majors only.

MUH 3053. American Roots Music (3). Studies of the diverse musics of North American minority groups, with an emphasis on Native American, African-American, Latin American, Asian, Jewish, and certain Euro-American traditions. Meets the University multicultural component for liberal studies requirements in diversity in Western culture.

MUH 3211. Survey of Music History I: Antiquity to 1750 (3). Prerequisites: MUL 2110 and MUH 2512. Required of music majors. Survey of music history from antiquity to 1750.

MUH 3212. Survey of Music History II: 1750 to Present (3). Prerequisite: MUH 3211. Required of music majors. Survey of music history from 1750 to the present.

MUH 4321. History of Music: Medieval (3). Prerequisites: MUH 3211 and MUH 3212 or instructor permission.

MUH 4331. History of Music: Renaissance (3). Prerequisites: MUH 3211 and MUH 3212 or instructor permission.

MUH 4341. History of Music: Baroque (3). Prerequisites: MUH 3211 and MUH 3212 or instructor permission.

MUH 4351. History of Music: Classical (3). Prerequisites: MUH 3211 and MUH 3212 or instructor permission.

MUH 4361. History of Music: 19th Century (3). Prerequisites: MUH 3211 and MUH 3212 or instructor permission.

MUH 4371. History of Music: 20th Century (3). Prerequisites: MUH 3211 and MUH 3212 or instructor permission.

MUH 4531. African Soundscapes (3). This course introduces graduate students and upper-level undergraduates to the diversity of musical cultures from the African continent. Students explore various case studies from the continent and develop tools to interpret their musical value and contextual meaning. A background interest in music, anthropology, performance studies, or African studies is recommended.

MUH 4541. Music of Latin America I (3). A study of the diverse musical cultures of Latin America, including Native American, European, African, and Asian derived, and syncretic or mestizo forms.

MUH 4542. Music in Latin America II (3). A study of the religious and art music of Latin America from the Colonial Period to the present.

MUH 4543. Music in the Caribbean (3). A survey of the musics of the Caribbean Basin from Cuba to Trinidad-Tobago, the coastal regions of northern Venezuela and Colombia, and the eastern coasts of Central America and Mexico.

MUH 4571. Music of Indonesia (3). This course offers a survey of selected music cultures of Indonesia. The primary focus will be on gamelan music, especially that of Java and Bali. Popular and experimental Indonesian musical forms, as well as Indonesian-inspired music by Western composers, also will be investigated.

MUH 4572. Music of Japan (3). A study of the traditional music of Japan, emphasizing historical background and cultural contexts, instruments and ensembles, structures and styles, theatrical and dance forms, and contemporary music.

MUH 4582. Seminar in World Music Studies (3). The advanced study of contrasting music cultures from around the world, emphasizing both music as sound and music as culture.

MUH 4591. World Music Pedagogy (3). Prerequisites: MUH 2512 and MUH 4582. This course considers theory and practice of teaching undergraduate world music survey courses, including knowledge of and critical approaches to teaching materials in various media.

MUH 4630. Music in the United States (3). Prerequisites: MUH 3211, MUH 3212, and MUT 2117. A survey of musical activities in the United States.

MUH 4680. Introduction to Historical Musicology (3). An introduction to the history, scope, and sources of musicological research.

MUH 4681. Senior Seminar in Music History (3). Prerequisite: MUH 4680. Basic research experience in music history.

MUH 4801. History of Jazz I (1890–1950) (2). A study of the evolution of jazz, 1890–1950, including the study of ragtime, New Orleans, Chicago, pre-Swing, Swing, Be-Bop, and West Coast styles.

MUH 4802. History of Jazz II (1950 to the Present) (2). A study of the evolution of jazz, 1950 to the present, including the study of Cool, Hard Bop, Free, Post Bop, and Pop-Jazz styles.

Music Literature

MUL 2110. Survey of Music Literature (2). Prerequisites: MUT 1111 and MUT 1112 or equivalent. Required of music majors and minors.

MUL 3481. Survey of Keyboard Literature: Baroque and Classic (2). Required of piano and harpsichord performance majors.

MUL 3482. Survey of Keyboard Literature: Romantic, Twentieth, and Twenty-first Century (2). Required of piano performance majors.

MUL 3604. Vocal Solo Literature: German (2). Prerequisite: Junior standing. Required of voice performance majors.

MUL 4371. Music Since World War II (3). Recent musical techniques and aesthetics as revealed in selected works.

MUL 4420. Chamber Music Literature for Strings (3). A study of chamber music literature for strings alone, strings with keyboard, and strings with other instruments.

MUL 4430. Guitar Literature I (2). A study of guitar literature from the Renaissance to the Pre-Classical period.

MUL 4431. Guitar Literature II (2). A study of guitar literature from the Classical period to the present.

MUL 4441–4442. Solo Music Literature Seminar: Winds (three hours each.) 4441 Woodwinds, 4442 Brasses.

MUL 4460. Percussion Literature and Resource Seminar (3).

MUL 4490. Survey of Organ Literature (1). A survey of the major schools of organ composition, with particular emphasis on the contribution of organ music to the liturgy of the Western church.

MUL 4504r. Orchestral Wind Repertory (2). This course enables woodwind, brass, and percussion students to perform as well as to study works from the standard orchestral literature. May be repeated to a maximum of twenty-four semester hours.

MUL 4563. Chamber Music Literature for Piano and Winds (2). This course is a study of chamber music literature for wind instruments with keyboards.

MUL 4600. Survey of Sacred Vocal Literature (1). A survey of the sacred vocal literature available for the liturgical year.

MUL 4605–4608. Vocal Solo Literature (two hours each). Prerequisite: Junior standing. Required of voice performance majors. 4605 French; 4608 Contemporary Song.

MUL 4642. Survey of Sacred Choral Literature (1). A survey of sacred choral literature suitable for medium-size choirs in churches and synagogues, embracing Catholic, Protestant, or Jewish faiths.

MUL 4931r. Special Topics in Music Literature (1–3). The study of music literature. May be repeated to a maximum of twelve semester hours.

Keyboard Technology

MUM 4210. Applied Piano Tuning I (3). Prerequisite: Instructor permission. This course examines string vibration as it relates to applied piano tuning.

MUM 4211. Applied Piano Tuning II (3). Prerequisite: MUM 4210. This course examines tuning systems and temperaments appropriate for historical instruments and for the modern piano.

MUM 4212. Applied Piano Tuning III (3). Prerequisite: MUM 4211. Continued development of tuning skills is examined.

MUM 4213. Applied Piano Tuning IV (3). Prerequisite: MUM 4212. This course develops tuning skills up to the concert level, and prepares students for the Piano Technicians Guild tuning exam.

MUM 4220. Theory of Piano Technology I (2). Prerequisite: Sophomore standing or instructor permission. History and fundamental principles of the modern mechanisms of the piano.

MUM 4221. Theory of Piano Technology II (2). Prerequisites: MUM 4220 or instructor permission. Introductory instruction in preparing a piano for concert performance, including tuning, voicing, and regulation.

MUM 4251. Piano Technology I (3). Prerequisite: Instructor permission. This course is an introduction to the history of the piano, fundamental principles of the mechanisms of the modern piano, and construction techniques.

MUM 4252. Piano Technology II (3). Prerequisite: MUM 4251. Projects include highlighting beginning restoration techniques and introduction to action regulation.

MUM 4253. Piano Technology III (3). Prerequisite: MUM 4252. Advanced repair and restoration techniques are examined.

MUM 4254. Piano Technology IV (3). Prerequisite: MUM 4253. Topics include major repairs and advanced and cutting edge action geometry.

MUM 4260. Organ Design and Maintenance (2). Prerequisite: Instructor permission. Open to all upper-division organ majors and principals.

Ensembles

Note: All ensemble courses are repeatable.

MUN 2110r. Marching Chiefs (0–1). Prerequisite: Audition. Band experience in marching and concert for all University students. May be repeated to a maximum of four semester hours.

MUN 2120r. Concert Band (0–1). Concert experience in a variety of literature for all University students. May be repeated to a maximum of four semester hours.

MUN 2130r. Symphonic Band (0–1). Prerequisite: Audition. Concert experience in a wide variety of literature. May be repeated to a maximum of four semester hours.

MUN 2140r. Wind Orchestra (0–1). Prerequisite: Audition. Professional-level performance in a wide variety of literature. May be repeated to a maximum of four semester hours.

MUN 2210r. University Symphony (0–1). Prerequisite: Audition. The study and performance of works representative of a broad spectrum of orchestral literature. Participation by string majors required. May be repeated to a maximum of four semester hours.

MUN 2220r. Chamber Orchestra (0–1). Prerequisite: Audition. The study and performance of works suitable for chamber orchestra. Open to selected undergraduate students. May be repeated to a maximum of four semester hours.

MUN 2230r. Opera Orchestra (0–1). Prerequisite: Audition. The study and performance of works drawn from grand opera, operettas, and musicals. May be repeated to a maximum of four semester hours.

MUN 2310r. University Singers (0–1). Prerequisite: Audition. The study and performance of works representative of a wide spectrum of choral literature. Open to all University students. May be repeated to a maximum of four semester hours.

MUN 2311r. Choral Union (0–1). The reading, study, and performance of choral repertoire for mixed voices. Open to all University students. May be repeated to a maximum of four semester hours.

MUN 2320r. Women's Glee Club (0–1). The study and performance of representative choral works for women's voices. Open to all women enrolled in the University. May be repeated to a maximum of four semester hours.

MUN 2330r. Men's Glee Club (Collegians) (0–1). The study and performance of representative choral works for men's voices. Open to all men enrolled in the University. May be repeated to a maximum of four semester hours.

MUN 2350r. Opera Chorus (0–1). Prerequisite: Audition. The study and performance of works drawn from grand opera, operettas, and musicals. Productions are presented in costume and makeup. May be repeated to a maximum of four semester hours.

MUN 2390r. University Chorale (0–1). The study and performance of works representative of a wide spectrum of choral literature for mixed voices. Open to all University students except voice performance majors. May be repeated to a maximum of four semester hours.

MUN 2420r. Woodwind Ensemble (0–1). Prerequisite: Instructor permission. The study and performance of ensemble literature for woodwinds. May be repeated to a maximum of four semester hours.

MUN 2430r. Brass Ensemble (0–1). Prerequisite: Instructor permission. The study and performance of ensemble literature for brasses. May be repeated to a maximum of four semester hours.

MUN 2440r. Percussion Ensemble (0–1). Prerequisite: Instructor permission. The study and performance of ensemble literature for percussion. May be repeated to a maximum of four semester hours.

MUN 2451r. Duo Piano (1). Prerequisite: Instructor permission. The study and performance of duo piano and piano duet literature. May be repeated to a maximum of four semester hours.

MUN 2460r. Chamber Music (0–1). Prerequisite: Instructor permission. The study and performance of vocal and/or instrumental ensemble literature. May be repeated to a maximum of four semester hours.

MUN 2471r. Collegium Musicum (0–1). Prerequisite: Instructor permission. The study and performance of music of the Middle Ages and Renaissance periods, with emphasis on historical validity, technical proficiency, and expressive musicianship. May be repeated to a maximum of four semester hours.

MUN 2472r. Baroque Ensemble (0–1). Prerequisite: Instructor permission. May be repeated to a maximum of four semester hours.

MUN 2480r. Guitar Ensemble (0–1). Prerequisite: Instructor permission. The study and performance of ensemble literature for guitar. May be repeated to a maximum of four semester hours.

MUN 2510r. Piano Vocal/Instrumental Accompanying (0–1). May be repeated to a maximum of four semester hours.

MUN 2710r. Jazz Ensemble (0–1). Prerequisite: Audition. The study and performance of jazz band literature. May be repeated to a maximum of four semester hours.

MUN 2720r. Jazz-Pop Ensemble (0–1). Prerequisite: Audition. The study and performance of jazz and popular vocal music. Ensemble may include choreography, performance with larger ensembles, and off-campus concerts. May be repeated to a maximum of four semester hours.

MUN 2800r. World Music Ensemble (0–1). Prerequisite: Instructor permission. May be repeated to a maximum of four semester hours.

MUN 4113r. Marching Chiefs (0–1). Prerequisite: Audition. Marching band experience open to all University students with prior marching band experience. May be repeated to a maximum of four semester hours.

MUN 4123r. Concert Band (0–1). Concert experience in a variety of literature for all University students. May be repeated to a maximum of four semester hours.

MUN 4133r. Symphonic Band (0–1). Prerequisite: Audition. Concert experience in a wide variety of literature. May be repeated to a maximum of four semester hours.

MUN 4143r. Wind Orchestra (0–1). Prerequisite: Audition. Professional-level performance in a wide variety of literature. May be repeated to a maximum of four semester hours.

MUN 4144r. Chamber Winds (0–1). Professional-level performance in a wide variety of wind-oriented chamber music. Open to graduate students and selected upper-level undergraduate students. May be repeated to a maximum of four semester hours.

MUN 4213r. University Symphony (0–1). Prerequisite: Audition. The study and performance of works representative of a broad spectrum of orchestral literature. Participation by string majors required. May be repeated to a maximum of four semester hours.

MUN 4223r. Chamber Orchestra (0–1). Prerequisite: Audition. The study and performance of works suitable for chamber orchestra. Open to selected undergraduate students. May be repeated to a maximum of four semester hours.

MUN 4233r. Opera Orchestra (0–1). Prerequisite: Audition. The study and performance of works drawn from grand opera, operettas, and musicals. May be repeated to a maximum of four semester hours.

MUN 4313r. University Singers (0–1). Prerequisite: Audition. The study and performance of works representative of a wide spectrum of choral literature. Open to all University students. May be repeated to a maximum of four semester hours.

MUN 4314r. Choral Union (0–1). The reading, study, and performance of choral repertoire for mixed voices. Open to all University students. May be repeated to a maximum of four semester hours.

MUN 4323r. Women's Glee Club (0–1). The study and performance of representative choral works for women's voices. Open to all women enrolled in the University. May be repeated to a maximum of four semester hours.

MUN 4333r. Men Glee Club (Collegians) (0–1). The study and performance of representative choral works for men's voices. Open to all men enrolled in the University. May be repeated to a maximum of four semester hours.

MUN 4343r. Chamber Chorus (0–1). Prerequisite: Audition. The study and performance of accompanied and a cappella works suitable for a 24–30 voice mixed chorus. May be repeated to a maximum of four semester hours.

MUN 4353r. Opera Chorus (0–1). Prerequisite: Audition. The study and performance of works drawn from grand opera, operettas, and musicals. Productions are presented in costume and makeup. May be repeated to a maximum of four semester hours.

MUN 4393r. University Chorale (0–1). The study and performance of works representative of a wide spectrum of choral literature for mixed voices. Open to all University students except voice performance majors. May be repeated to a maximum of four semester hours.

MUN 4423r. Woodwind Ensemble (0–1). Prerequisite: Instructor permission. The study and performance of ensemble literature for woodwinds. May be repeated to a maximum of four semester hours.

MUN 4433r. Brass Ensemble (0–1). Prerequisite: Instructor permission. The study and performance of ensemble literature for brasses. May be repeated to a maximum of four semester hours.

MUN 4443r. Percussion Ensemble (0–1). Prerequisite: Instructor permission. The study and performance of ensemble literature for percussion. May be repeated to a maximum of four semester hours.

MUN 4454r. Duo Piano (1). Prerequisite: Instructor permission. The study and performance of duo piano and piano duet literature. May be repeated to a maximum of four semester hours.

MUN 4463r. Chamber Music (0–1). Prerequisite: Instructor permission. The study and performance of vocal and/or instrumental ensemble literature. May be repeated to a maximum of four semester hours.

MUN 4474r. Collegium Musicum (0–1). Prerequisite: Instructor permission. The study and performance of music of the Middle Ages and Renaissance periods, with emphasis on historical validity, technical proficiency, and expressive musicianship. May be repeated to a maximum of four semester hours.

MUN 4475r. Baroque Ensemble (0–1). Prerequisite: Instructor permission. May be repeated to a maximum of four semester hours.

MUN 4483r. Guitar Ensemble (0–1). Prerequisite: Instructor permission. The study and performance of ensemble literature for guitar. May be repeated to a maximum of four semester hours.

MUN 4513r. Piano Vocal/Instrumental Accompanying (0–1). May be repeated to a maximum of four semester hours.

MUN 4713r. Jazz Ensemble (0–1). Prerequisite: Audition. The study and performance of jazz band literature. May be repeated to a maximum of four semester hours.

MUN 4723r. Jazz-Pop Ensemble (0–1). Prerequisite: Audition. The study and performance of jazz and popular vocal music. Ensemble may include choreography, performance with larger ensembles, and off-campus concerts. May be repeated to a maximum of four semester hours.

MUN 4803r. World Music Ensemble (0–1). Prerequisite: Instructor permission. May be repeated to a maximum of four semester hours.

Opera/Music Theatre

MUO 3503r. Opera Workshop (2). Prerequisite: Instructor permission. The study of all phases of operatic production, with emphasis on and participation in staged operatic excerpts. May be repeated to a maximum of four semester hours.

MUO 4006r. Music Theatre Workshop (2). Prerequisites: Music theatre major and instructor permission. Provides opportunities for upper-division music theatre students to synthesize and refine advanced music theatre performance skills, including advanced acting, auditioning, movement, and dance. May be repeated to a maximum of eight semester hours.

MUO 4451r. Performance of Stage Role (1–2). Prerequisite: Audition. May be repeated to a maximum of eight semester hours.

MUO 4502r. Opera Workshop (2). The study of all phases of operatic production, with emphasis on and participation in staged operatic excerpts. May be repeated to a maximum of four semester hours.

Church Music

MUR 4201. Hymnology (2). A practical and historical study of the Church's song.

MUR 4411. Organ History and Literature to the 18th Century (2). The organ and its music from the Middle Ages to the end of the 17th century.

MUR 4412. Organ History and Literature: 18th–20th Centuries (2). The organ and its music from the time of J.S. Bach to the present day.

Music

MUS 1010r. Student Recital (0). (S/U grade only.) Required of all undergraduate music majors. Unlimited repeatability.

MUS 1710. First Year Experience in Music (0). (S/U grade only.) An introductory course for all first-year music students to introduce them to selected resources in the Warren D. Allen Music Library, the online search capabilities of WebLuis and FirstSearch, and the research activities of faculty from the College of Music.

MUS 1920r. Cawthon Hall Music Colloquium (0–1). (S/U grade only.) This course is part of the Cawthon Hall Music Living-Learning Center Colloquium series, and is required of all Cawthon Hall-Music participants. May be repeated to a maximum of four semester hours.

MUS 2360. Introduction to Technology in Music (1). Prerequisites: MUT 1112 or equivalent and sophomore standing. Introductory survey of computer technology in music, including hardware, software, computer-based instruction, multimedia, and Internet.

MUS 3320. Survey of the Music Industry (3). Understanding the world of commercial music and techniques in personal marketability.

MUS 3340. Music Instrument Digital Interface (3). Develop techniques in electronic music composition and all aspects of MIDI.

MUS 3341. Audio Production I (2). Prerequisites: MUS 3320, MUS 3340, and acceptance into the Commercial Music Program. This course is an introduction to the theory and practice of digital audio production with emphasis on personal creativity.

MUS 3530. Beginning C Computer Programming Techniques for Musicians (3). Introduction to microcomputer-based interactive graphics programming in the C language, including the designing and implementation of music computer programs.

MUS 3531. Multimedia for Musicians (3). Prerequisite: MUS 3530 or instructor permission. Provides students with a basic knowledge of multimedia hardware and software systems, particularly as they relate to music. Students will develop multimedia projects. May be repeated to a maximum of six semester hours.

MUS 3533r. Computers in Music Design Seminar (3). Prerequisite: MUS 3531. Discussions and experiences in music instructional design. May be repeated to a maximum of six semester hours.

MUS 3540. Electronics for Musicians (3). Basic concepts and practical experiences in digital and analog electronics for musicians.

MUS 3541. Digital Music Synthesis I (3). Prerequisite: Instructor permission. This course will provide students with basic theory and history of sound, knowledge of analog and digital sound recording and manipulation techniques, and an introduction to the art of electronic music.

MUS 3542. Digital Music Synthesis II (3). Prerequisite: MUS 3541. This course will provide students with basic knowledge of both digital and analog sound distortion and synthesis and resynthesis techniques and will allow them to explore the technology and art of digital music production.

MUS 3934r. Special Topics in Music (1–3). Prerequisite: Instructor permission. May be repeated to a maximum of nine semester hours.

MUS 3942r. Music Peer Advisement Practicum (0). (S/U grade only.) Introduction to leadership skills necessary for advising and counseling in the College of Music. May be repeated to a maximum of four times.

MUS 4222. French Language and Diction for Singers (3). Prerequisite: FRE 1120. This course is the study of French diction and continuation of grammar studies from FRE 1120. The focus is on proper pronunciation of the French language and on grammar and vocabulary necessary for translating texts of French melodies and operas.

MUS 4232. German Language and Diction for Singers (3). Prerequisite: GER 1120. This course is the study of German diction and continuation of grammar studies from GER 1120. The focus is on proper pronunciation of the German language and on grammar and vocabulary necessary for translating texts of German Lieder and operas.

MUS 4242. Italian Language and Diction for Singers (3). Prerequisite: ITA 1120. This course is the study of Italian diction and continuation of grammar studies from ITA 1120. The focus is on proper pronunciation of the Italian language and on grammar and vocabulary necessary for translating texts of Italian songs and operas.

MUS 4611. Psychology of Music Survey (3). Prerequisite: A basic course in psychology. Basic study of acoustics, the ear and hearing, musical systems, and the psycho-socio-physiological processes involved in musical behavior.

MUS 4612. Psychology of Music Learning (3). Prerequisite: MUS 4611. Consideration of applied research methods in psychology of music through examination of selected research studies and behavioral projects.

MUS 4743. Writing for Musicians (2). Experience in types of writing that are particularly useful to musicians: analyses, program notes, performance reviews, and research paper.

MUS 4801r. Dynamic Integration (0–1). This course heightens students' awareness of their minds and bodies in relation to performing on a musical instrument, addressing such topics as muscle balancing, concentration, and performance anxiety.

MUS 4904r. Honors Study (1–6). Prerequisite: Instructor permission. May be repeated to a maximum of nine semester hours.

MUS 4905r. Directed Individual Study (1–3). Prerequisite: Instructor permission. May be repeated to a maximum of semester hours.

MUS 4928r. Workshop in Music (2–6). Techniques in instruction and administration of music programs. Unlimited repeatability as long as the subject matter changes.

MUS 4936r. Senior Tutorial in Music (1–3). (S/U grade only.) Prerequisite: Upper division music major status. Selected topics in music. May be repeated to a maximum of six semester hours.

MUS 4970r. Senior Project/Thesis/Recital (2). (S/U grade only.) Prerequisites: Senior standing, instructor permission, and, for students performing a recital, completion by jury of MV_3000 level applied music. May be repeated to a maximum of four semester hours.

MUT 4663. Jazz Styles and Analysis (2). This course examines the many aspects of jazz performance through the study of sound, rhythm, form, improvisation, and arrangement.

Music Theory

MUT 1001. Fundamentals of Music Theory (3). An introductory course that covers the rudimentary fundamentals of music theory, including the basic properties of notation, scales, intervals, triads, and rhythmic notation.

MUT 1011. Music Theory for the Non-Music Major (3). A practical, analytical, and performance-oriented application of the fundamental materials of music theory. Meets liberal studies requirement in area IV. Not open to students who have successfully completed one or more semesters of music theory.

MUT 1111. Music Theory I (3). The materials and structures of music.

MUT 1112. Music Theory II (3). Prerequisite: MUT 1111. The materials and structures of music.

MUT 1241. Sight Singing and Ear Training I (1). The development of skills in sight singing and ear training.

MUT 1242. Sight Singing and Ear Training II (1). Prerequisite: MUT 1241. The development of skills in sight singing and ear training.

MUT 2116. Music Theory III (3). Prerequisite: MUT 1112. The materials and structures of music.

MUT 2117. Music Theory IV (3). Prerequisite: MUT 2116. The materials and structures of music.

MUT 2246. Sight Singing and Ear Training III (1). Prerequisite: MUT 1242. The development of skills in sight singing and ear training.

MUT 2247. Sight Singing and Ear Training IV (1). Prerequisite: MUT 2246. The development of skills in sight singing and ear training.

MUT 2641r. Jazz Improvisation I (1). Prerequisite: MUT 1112. Skills in beginning jazz improvisation. May be repeated to a maximum of three semester hours.

MUT 2642r. Jazz Improvisation II (1). Prerequisite: MUT 2641. Knowledge and technical skills in jazz improvisation. May be repeated to a maximum of three semester hours.

MUT 3280. Post-Tonal Aural Skills (2). This class focuses upon aural skills for training for the performance and understanding of post-tonal music.

MUT 3353. Jazz Theory/Arranging I (3). Prerequisites: MUT 2117 and MUT 2247. A course designed to promote skills in arranging for the jazz ensemble.

MUT 3354. Jazz Theory/Arranging II (3). Prerequisite: MUT 3353 or instructor permission. Advanced skills in arranging for the jazz ensemble.

MUT 3421–3422. 18th-Century Counterpoint (two hours each). Prerequisites: MUT 2117, MUT 2247, and MUT 3421 or MUT 3422. The study of contrapuntal techniques of the 18th century.

MUT 3541. Form and Style: Classic (3). Prerequisites: MUT 2117 and MUT 2247. The study of the larger forms and procedures as expressed in the musical language of the Classic period.

MUT 3551. 19th-Century Styles (3). Prerequisites: MUT 2117 and MUT 2247. Stylistic studies of 19th-century music.

MUT 3571. 20th-Century Styles (3). Prerequisites: MUT 2117 and MUT 2247. Stylistic studies of 20th-century music.

MUT 4311. Orchestration (2). Prerequisites: MUT 3421 and MUT 3422. The study of the characteristic usage of orchestral instruments and the principles of scoring.

MUT 4321. Composing and Arranging for Wind Band (3). Prerequisite: Junior standing.

MUT 4411. 16th-Century Counterpoint (3). Prerequisites: MUT 2117 and MUT 2247. The study of contrapuntal techniques of the 16th century.

MUT 4572. Music Since World War II (3). This course covers recent musical techniques and aesthetics as revealed in selected works.

Music Therapy

MUY 3601. Music Recreation Techniques (3). Prerequisite: Class guitar (MVS 1116) or instructor permission.

MUY 4401. Music Therapy: Methods and Practicum I (3). Prerequisites: Senior standing in music therapy, completion of MUS 4612; or instructor permission.

MUY 4402. Music Therapy: Methods and Practicum II (3). Prerequisite: MUY 4401. The applications of music therapy in all fields of health, corrections, and special education.

MUY 4611. Music Therapy Drumming (1). This course emphasizes group drumming and improvisation techniques, applications for therapy and group drumming leadership skills for use in wellness, counseling, and other music therapy settings.

MUY 4940r. Clinical Internship in Music Therapy (1–12). (S/U grade only.) Prerequisite: Completion of all coursework in music therapy. Six-month resident internship in an affiliated, approved clinical center. May be repeated once only and to a maximum of twenty semester hours.

Applied Music

MV(B, J, K, O, P, S, V, W) 1010r–1019r. Applied Music (two hours each). Private instruction. For students preparing for freshman level of applied music. With the exception of MVO 1010, 2020, 3030, and 4040, each course may be repeated to a maximum of four semester hours. Credit earned in the MV(B, J, K, O, P, S, V, W) 1011r–1019r series will not apply to the requirement of the major or principal instrument. (See specific requirements.) Credit may be modified to one hour for all instruments.

MVB 1011r. App Mus Prep, Trumpet

MVB 1012r. App Mus Prep, French Horn

MVB 1013r. App Mus Prep, Trombone

MVB 1014r. App Mus Prep, Baritone Horn

MVB 1015r. App Mus Prep, Tuba

MVJ 1011r. App Mus Prep, Voice, Jazz

MVJ 1016r. App Mus Prep, Saxophone, Jazz

MVK 1011r. App Mus Prep, Piano

MVK 1013r. App Mus Prep, Organ

MVO 1010r. Modified Credit, All Instruments (1–2)

MVP 1011r. App Mus Prep, Percussion

MVS 1011r. App Mus Prep, Violin

MVS 1013r. App Mus Prep, Violoncello

- MVS 1014r.** App Mus Prep, Double Bass
MVS 1015r. App Mus Prep, Harp
MVS 1016r. App Mus Prep, Guitar
MVV 1011r. App Mus Prep, Voice
MVW 1011r. App Mus Prep, Flute
MVW 1012r. App Mus Prep, Oboe
MVW 1013r. App Mus Prep, Clarinet
MVW 1014r. App Mus Prep, Bassoon
MVW 1015r. App Mus Prep, Saxophone

MVO 1010r–4040r. Undergraduate Coaching (one to two hours each). All instruments. Principal only. May be repeated to a maximum of four semester hours.

- MVO 1010r.** App Mus Undergraduate Coaching
MVO 2020r. App Mus Undergraduate Coaching
MVO 3030r. App Mus Undergraduate Coaching
MVO 4040r. App Mus Undergraduate Coaching

MVK 1111r. Class Piano (1). Prerequisites: Audition and instructor permission. Class instruction. For music majors other than keyboard principals and performance majors. Elementary keyboard techniques and musicianship. May be repeated to a maximum of two semester hours.

MVV 1111. Class Voice (1). Prerequisite: Instructor permission. Class instruction in the fundamentals of voice production. Elementary level.

MVS 1116. Beginning Class Guitar (1). For beginning guitar students. Emphasis on music reading and elementary techniques.

MV(B, H, K, O, P, S, V, W) 1210r–1219r. Applied Music Secondary (two hours each). Private instruction. For students whose curriculum requires study of a secondary instrument. Each course may be repeated to a maximum of four semester hours. (See curricular regulations.) Credit may be modified by electing MVO 1210r (1), all instruments. All MVH courses may be taken for one to two (1–2) credit hours.

- MVB 1211r.** App Mus Sec, Trumpet
MVB 1212r. App Mus Sec, French Horn
MVB 1213r. App Mus Sec, Trombone
MVB 1214r. App Mus Sec, Baritone Horn
MVB 1215r. App Mus Sec, Tuba
MVH 1217r. App Mus Sec, Bowed Strings
MVK 1211r. App Mus Sec, Piano
MVK 1213r. App Mus Sec, Organ
MVO 1210r. Modified Credit, All Instruments (1)
MVP 1211r. App Mus Sec, Percussion
MVS 1211r. App Mus Sec, Violin
MVS 1212r. App Mus Sec, Viola
MVS 1213r. App Mus Sec, Violoncello
MVS 1214r. App Mus Sec, Double Bass
MVS 1215r. App Mus Sec, Harp
MVS 1216r. App Mus Sec, Guitar
MVV 1211r. App Mus Sec, Voice
MVV 1212r. App Mus Sec, Voice—Music Theatre
MVW 1211r. App Mus Sec, Flute
MVW 1212r. App Mus Sec, Oboe
MVW 1213r. App Mus Sec, Clarinet
MVW 1214r. App Mus Sec, Bassoon
MVW 1215r. App Mus Sec, Saxophone

MV(B, J, K, O, P, S, V, W) 1310r–1319r. Applied Music Principal (two hours each). Private instruction. Principal instrument. For students whose major is not performance. Each course may be repeated to a maximum of six semester hours. (See curricular regulations.) Credit may be modified by electing MVO 1310r (1), all instruments.

- MVB 1311r.** App Mus Prin, Trumpet
MVB 1312r. App Mus Prin, French Horn
MVB 1313r. App Mus Prin, Trombone
MVB 1314r. App Mus Prin, Baritone Horn
MVB 1315r. App Mus Prin, Tuba
MVJ 1310r. App Mus Prin, Piano, Jazz
MVJ 1311r. App Mus Prin, Voice, Jazz
MVJ 1313r. App Mus Prin, Guitar, Jazz
MVJ 1314r. App Mus Prin, Bass, Jazz
MVJ 1316r. App Mus Prin, Saxophone, Jazz
MVJ 1317r. App Mus Prin, Trumpet, Jazz
MVJ 1318r. App Mus Prin, Trombone, Jazz
MVJ 1319r. App Mus Prin, Percussion, Jazz
MVK 1311r. App Mus Prin, Piano
MVK 1313r. App Mus Prin, Organ

MVO 1310r. Modified Credit, All Instruments (1)

- MVP 1311r.** App Mus Prin, Percussion
MVS 1311r. App Mus Prin, Violin
MVS 1312r. App Mus Prin, Viola
MVS 1313r. App Mus Prin, Violoncello
MVS 1314r. App Mus Prin, Double Bass
MVS 1315r. App Mus Prin, Harp
MVS 1316r. App Mus Prin, Guitar
MVV 1311r. App Mus Prin, Voice
MVV 1312r. App Mus Prin, Voice—Music Theatre
MVW 1311r. App Mus Prin, Flute
MVW 1312r. App Mus Prin, Oboe
MVW 1313r. App Mus Prin, Clarinet
MVW 1314r. App Mus Prin, Bassoon
MVW 1315r. App Mus Prin, Saxophone

MV(B, K, O, P, S, V, W) 1410r–1416r. Applied Music Major (four hours each: piano, harpsichord, organ, strings, harp, guitar; three hours each: piano pedagogy, voice, woodwinds, brasses, percussion). Private instruction. Major instrument. For performance majors. Each course may be repeated to a maximum of twelve semester hours by piano, harpsichord, organ, string, harp, and guitar majors; nine semester hours by piano pedagogy, voice, woodwind, brass, and percussion majors. Credit may be modified by electing MVO 1410r (2), all instruments.

- MVB 1411r.** App Mus Maj, Trumpet
MVB 1412r. App Mus Maj, French Horn
MVB 1413r. App Mus Maj, Trombone
MVB 1414r. App Mus Maj, Baritone Horn
MVB 1415r. App Mus Maj, Tuba
MVK 1411r. App Mus Maj, Piano
MVK 1413r. App Mus Maj, Organ
MVK 1416r. App Mus Maj, Piano Pedagogy
MVO 1410r. Modified Credit, All Instruments (2)
MVP 1411r. App Mus Maj, Percussion
MVS 1411r. App Mus Maj, Violin
MVS 1412r. App Mus Maj, Viola
MVS 1413r. App Mus Maj, Violoncello
MVS 1414r. App Mus Maj, Double Bass
MVS 1415r. App Mus Maj, Harp
MVS 1416r. App Mus Maj, Guitar
MVV 1411r. App Mus Maj, Voice
MVW 1411r. App Mus Maj, Flute
MVW 1412r. App Mus Maj, Oboe
MVW 1413r. App Mus Maj, Clarinet
MVW 1414r. App Mus Maj, Bassoon
MVW 1415r. App Mus Maj, Saxophone

MVK 1612. Directed Observation in Piano Pedagogy: Preschool through Precollege (1). Provides students the opportunity to observe private and class piano and musicianship instruction on the preschool and precollege levels.

MVK 2121r. Class Piano (1). Prerequisite: MVK 1111 or instructor permission. Class instruction. For music majors other than keyboard principals and performance majors. Sightreading, harmonizing, transposing, improvising, intermediate keyboard techniques, repertoire, and musicianship. May be repeated to a maximum of two semester hours.

MVK 2125. Keyboard Improvisation (1). Prerequisite: MUT 1112. An improvisation course for keyboard principals/majors and for non-keyboard majors/principals who have met the class piano performance requirement by a proficiency exam but not the improvisation requirement.

MVS 2126. Intermediate Class Guitar (1). Prerequisite: MVS 1116 or instructor permission. Class instruction in intermediate folk guitar styles and techniques.

MV(B, H, K, O, P, S, V, W) 2220r–2229r. Applied Music Secondary (two hours each). Private instruction. (See course description for MV[B, H, K, O, P, S, V, W] 1210–1219 series.) For students whose curriculum requires study of a secondary instrument. Each course may be repeated to a maximum of four semester hours. Credit may be modified by electing MVO 2220, all instruments. All MVH courses may be taken for one or two credit hours.

MV(B, J, K, O, P, S, V, W) 2320r–2329r. Applied Music Principal (two hours each). Private instruction. Principal instrument. (See course description for MV[B, J, K, O, P, S, V, W] 1310–1319 series.) For students whose major is not performance. Each course may be repeated to a maximum of six semester hours. Credit may be modified by electing MVO 2320, all instruments.

MV(B, K, O, P, S, V, W) 2420r–2426r. Applied Music Major (four hours each: piano, harpsichord, organ, strings, harp, guitar; three hours each: piano pedagogy, voice, woodwinds, brasses, percussion). Private instruction. Major instrument. (See course description for MV[B, K, O, P, S, V, W] 1410–1416 series.) For performance majors. May be repeated to a maximum of twelve semester hours by piano, harpsichord, organ, string, harp, and guitar majors; nine semester hours by piano pedagogy, voice, woodwind, brass, and percussion majors. Credit may be modified by electing MVO 2420, all instruments.

MVS 2520r. String Repertory (1). Required of string performance majors. May be repeated to a maximum of two semester hours.

MVS 2526r. Guitar Repertory (1). Prerequisite: Instructor permission. Corequisite: MVS 2426r. Required of guitar performance majors. Course may be repeated to a maximum of two semester hours.

MVK 2622. Directed Observation in Piano Pedagogy: College (1). Provides students with the opportunity to observe private and class piano instruction on the college level.

MVK 2700. Piano Accompanying Vocal (1). Techniques, artistic skills, and repertory for accompanying. Required of piano performance majors.

MVK 2701. Piano Accompanying Instrumental (1). Techniques, artistic skills, and repertory for accompanying. Required of piano performance majors.

MVK 3131r. Class Piano (1). Prerequisite: MVK 2121 or Instructor permission. Class instruction. For music majors other than keyboard principals and performance majors. Continuation of MVK 2121 with emphasis upon increased skills, including open score reading and accompanying. May be repeated to a maximum of two semester hours.

MVS 3136. Advanced Class Guitar (1). Prerequisite: MVS 2126 or instructor permission. Class instruction in advanced folk guitar styles and techniques.

MV(B, H, K, O, P, S, V, W) 3230r–3239r. Applied Music Secondary (two hours each). Private instruction. (See course description for MV[B, H, K, O, P, S, V, W] 1210–1219 series.) For students whose curriculum requires study of a secondary instrument. Each course may be repeated to a maximum of four semester hours. Credit may be modified by electing MVO 3230, all instruments. All MVH courses may be taken for one or two credit hours.

MV(B, J, K, O, P, S, V, W) 3330r–3339r. Applied Music Principal (two hours each). Private instruction. Principal instrument. (See course description for MV[B, J, K, O, P, S, V, W] 1310–1319 series.) For students whose major is not performance. Each course may be repeated to a maximum of six semester hours. Credit may be modified by electing MVO 3330, all instruments.

MV(B, K, O, P, S, V, W) 3430r–3436r. Applied Music Major (five hours: harp; four hours each: piano, harpsichord, strings, woodwinds, brasses, percussion, guitar; three hours each: organ, voice, piano pedagogy). Private instruction. Major instrument. (See course description for MV[B, K, O, P, S, V, W] 1410–1416 series.) For performance majors. May be repeated to a maximum of fifteen semester hours by harp majors; twelve semester hours by piano, harpsichord, string, woodwind, brass, percussion, and guitar majors; nine semester hours by organ, voice and piano pedagogy majors. Credit may be modified by electing MVO 3430, all instruments.

MVS 3501r. Orchestral Repertoire for Violin (1). (S/U grade only.) Prerequisite: Instructor permission. May be repeated to a maximum of two semester hours.

MVS 3530r. String Repertory (1). Required of string performance majors. May be repeated to a maximum of two semester hours.

MVV 3532r. Musical Theatre Repertoire (1). Prerequisite: Instructor permission. For music theatre majors. Course may be repeated to a maximum of four semester hours.

MVS 3536r. Guitar Repertory (1). Prerequisite: Instructor permission. Corequisite: MVS 3436. Required of guitar performance majors. Course may be repeated to a maximum of two semester hours.

MVK 3631. Piano Pedagogy I (3). Prerequisite: Junior standing or Instructor permission.

MVK 3632. Piano Pedagogy II (3). Prerequisite: MVK 3631. Intermediate piano pedagogy subjects.

MVK 3930r. Continuo Playing Keyboard (1). Prerequisite: Instructor permission. May be repeated to a maximum of two semester hours.

MVW 3700r. Introduction to Baroque Flute (1). Prerequisite: Instructor permission. Development of basic performance skills on the Baroque flute and commensurate stylistic techniques through a graduated study of available 18th-century pedagogic and performance materials. May be repeated to a maximum of four semester hours.

MVW 3701r. Introduction to the Baroque Recorder (1). Prerequisite: Instructor permission. Development of basic performance skills on the Baroque recorder and commensurate stylistic techniques through a graduated study of available 18th-century pedagogic and performance materials. May be repeated to a maximum of four semester hours.

MV(B, K, P, S, V, W) 3950. Certificate Recital (0). (S/U grade only.) Prerequisite: Instructor permission.

MV(B, K, P, S, V, W) 3970. Junior Recital (0). (S/U grade only.) Prerequisite: Instructor permission. Required junior recital for performance majors.

MV(B, H, K, O, P, S, V, W) 4240r–4249r. Applied Music Secondary (two hours each). Private instruction. (See course description for MV[B, H, K, O, P, S, V, W] 1210–1219 series.) For students whose curriculum requires study of a secondary instrument. Each course may be repeated to a maximum of four semester hours. Credit may be modified by electing MVO 4240, all instruments. All MVH courses may be taken for one or two (1–2) credit hours.

MV(B, J, K, O, P, S, V, W) 4340r–4349r. Applied Music Principal (two hours each). Private instruction. Principal instrument. (See course description for MV[B, J, K, O, P, S, V, W] 1310–1319 series.) For students whose major is not performance. Each course may be repeated to a maximum of twelve semester hours, except MVJ series which may only be repeated to a maximum of six semester hours. Credit may be modified by electing MVO 4340, all instruments.

MV(B, K, O, P, S, V, W) 4440r–4446r. Applied Music Major (five hours each: piano, harpsichord, harp; four hours each: organ, strings, woodwinds, brasses, percussion, guitar; three hours each: voice, piano pedagogy). Private instruction. Major instrument. (See course description for MV[B, K, O, P, S, V, W] 1410–1416 series.) For performance majors. May be repeated to a maximum of twenty semester hours by piano, harpsichord, organ, and harp majors; sixteen semester hours by string, woodwind, brass, percussion, and guitar majors; twelve semester hours by voice and piano pedagogy majors. Credit may be modified by electing MVO 4440, all instruments.

MVS 4540r. String Repertory (1). Required of string performance majors. May be repeated to a maximum of two semester hours.

MVV 4542r. Musical Theatre Repertoire (1). Prerequisite: Instructor permission. For music theatre majors. Course may be repeated to a maximum of four semester hours.

MVS 4546r. Guitar Repertory (1). Prerequisite: Instructor permission. Corequisite: MVS 4446. Required of guitar performance majors. Course may be repeated to a maximum of two semester hours.

MVK 4600. Organ/Harpsichord Pedagogy (2). Prerequisite: Instructor permission. Equips students with teaching skills in organ/harpsichord.

MVO 4640. Wind Instrument and Percussion Pedagogy (3). Prerequisite: Junior standing in major instrument. The methods and materials of wind instrument and percussion pedagogy.

MVK 4641. Advanced Piano Pedagogy I (3). Prerequisite: MVK 3632 or instructor permission. Current and expanded pedagogy concepts and materials and techniques for teaching advanced or adult students.

MVV 4641. Vocal Pedagogy (2). Prerequisite: Junior standing in voice. A study of voice teaching methods.

MVK 4642. Advanced Piano Pedagogy II (3). Prerequisite: MVK 4641. Current and expanded pedagogy concepts and materials and techniques for teaching advanced or adult students.

MVK 4670r. Practicum in Piano Pedagogy (2). May be repeated up to four semester hours.

MVK 4931. Service Playing (2). Prerequisite: Instructor permission. Open to all upper-division organ majors and principals.

MV(B, K, P, S, V, W) 4971r. Senior Recital (0). (S/U grade only.) Prerequisite: Completion of MV_333_ required and instructor permission. Required senior recital for performance majors.

Graduate Courses

Composition

- MUC 5110r.** Composition (2).
- MUC 5251r.** Composition (3).
- MUC 5615r.** Film Scoring (3).
- MUC 5625r.** Jazz Composition (3).
- MUC 6261r.** Composition (3).
- MUC 6956.** Composition Doctoral Recital (3). (S/U grade only.)

Music Education

- MUE 5045.** Social and Historical Foundations of American Music Education (3).
- MUE 5046.** Sociology of Music Education (3).
- MUE 5096r.** Arts in Medicine Science (1–3).
- MUE 5145.** Significant Developments in Music Education Curricula (3).
- MUE 5185.** College Music Administration (3).
- MUE 5316.** Organizing and Teaching in General Education (3).
- MUE 5396.** Music in Special Education (3).
- MUE 5398.** Survey of Vocal Diction for Choral Music Educators (2).
- MUE 4397.** Survey of Vocal Diction for Choral Music Educators (2).
- MUE 5426.** Advanced Techniques in Choral Music (3).
- MUE 5427.** Advanced Techniques in Instrumental Music (3).
- MUE 5486.** Jazz Ensemble Techniques (1).
- MUE 5498r.** Music Education Laboratory: Choral (1).
- MUE 5499r.** Music Education Laboratory: Instrumental (1).
- MUE 5938.** Introduction to Graduate Studies in Music Education (3).
- MUE 5943.** Internship in Music (6). (S/U grade only.)
- MUE 5945r.** Practicum in Supervising and Directing Education and Research in Music (3). (S/U grade only.)
- MUE 6385r.** College Teaching: Music in Higher Education (3).
- MUE 6939r.** Doctoral Seminar in Music Education (3).
- MUE 6946r.** Practicum in Supervising and Directing Education and Research in Music (3). (S/U grade only.)
- MUS 5657.** Nonverbal Communication in Human Interaction (3).
- MUS 5724.** Music Measurement (3).
- MUY 5305.** Medical Music Therapy (3).

Conducting

- MUG 5205r.** Advanced Conducting: Chorus (2).

- MUG 5306.** Advanced Conducting: Orchestra (2).
MUG 5307. Advanced Conducting I: Band (2).
MUG 5308. Advanced Conducting II: Band (2).
MUG 5957. Master's Recital: Choral Conducting (2). (S/U grade only.)
MUG 5976. Wind Ensemble/Band Master's Recital: Chamber (2). (S/U grade only.)
MUG 5977. Wind Ensemble/Band Master's Recital: Large Ensemble (2). (S/U grade only.)
MUG 5978. Master's Recital: Orchestral Conducting (2). (S/U grade only.)

Jazz Studies

- MUT 5665.** Jazz Styles and Analysis (2).
MVJ 5976. Master's Recital: Recital Preparation (2). (S/U grade only.)
MVJ 5977. Master's Recital (2). (S/U grade only.)

Music History

- MUH 5219.** Music History Graduate Survey (2). (S/U grade only.)
MUH 5305. Seminar in Performance Practice I: Musical Performance During the Middle Ages and Renaissance (3).
MUH 5306. Seminar in Performance Practice II: Music Performance During the Baroque, Classic, and Romantic Eras (3).
MUH 5325. History of Music: Medieval (3).
MUH 5335. History of Music: Renaissance (3).
MUH 5345. History of Music: Baroque (3).
MUH 5355. History of Music: Classical (3).
MUH 5365. History of Music: Nineteenth Century (3).
MUH 5375. History of Music: Twentieth Century (3).
MUH 5410. Notation of Polyphonic Music to 1600 (3).
MUH 5411. Notation of Polyphonic Music II (3).
MUH 5536. African Soundscapes (3).
MUH 5546. Music of Latin America I (3).
MUH 5547. Music of Latin America II (3).
MUH 5548. Music in the Caribbean (3).
MUH 5548. Music in the Caribbean (3).
MUH 5555. Music from the Middle East (3).
MUH 5577. Music of Japan (3).
MUH 5580. Introduction to Ethnomusicology (3).
MUH 5581r. Seminar in Ethnomusicology (3).
MUH 5587. Seminar in World Music Studies (3).
MUH 5590. Seminar in Field and Laboratory Techniques in Ethnomusicology (3).
MUH 5596. World Music Pedagogy (3).
MUH 5635. Music in the United States I (3).
MUH 5636. Music in the United States II (3).
MUH 5655. Seminar in Performance Practice (3).
MUH 5685. Introduction to Historical Musicology (3).
MUH 5686r. Seminar in Historical Musicology (3).
MUH 5805. Survey of Jazz History (2).
MUH 5806. History of Jazz (1890–1950) (2).
MUH 5807. History of Jazz (1950 to the present) (2).
MUH 5939. Seminar in Organology (3).
MUH 5945. Practicum in Collegium Directing (3).
MUH 6687r. Advanced Seminar in Musicology I (3).
MUH 6688r. Advanced Seminar in Musicology II (3).

Music Literature

- MUL 5412.** Solo Music Literature Seminar Piano: Baroque to Classic (2).
MUL 5413. Solo Music Literature Seminar Piano: Classical (2).
MUL 5414. Solo Music Literature Seminar Piano: Romantic (2).
MUL 5415. Solo Music Literature Seminar Piano: 20th Century (2).
MUL 5425. Chamber Music Literature for Strings (3).
MUL 5426. String Quartet Literature (2).
MUL 5435. Guitar Literature I (2).
MUL 5436. Guitar Literature II (2).
MUL 5445. Solo Music Literature Seminar—Winds: Woodwinds (3).
MUL 5446. Solo Music Literature Seminar—Winds: Brasses (3).
MUL 5465. Percussion Literature and Resource Seminar (3).
MUL 5495. Survey of Organ Literature (1).
MUL 5505. Symphonic Literature I (3).
MUL 5506. Symphonic Literature II (3).
MUL 5507r. Orchestra Wind Repertory (2).
MUL 5568. Chamber Music Literature for Piano and Winds (2).

- MUL 5609.** Survey of Sacred Vocal Literature (1).
MUL 5620. Graduate Survey: German Vocal Solo Literature (1).
MUL 5621. Graduate Survey: French Vocal Solo Literature (1).
MUL 5624. Solo Music Literature Voice: German (2).
MUL 5625. Solo Music Literature Voice: French (2).
MUL 5626. Solo Music Literature Voice: Contemporary (2).
MUL 5645. Choral Literature (2).
MUL 5647. Survey of Sacred Choral Literature (1).
MUL 5656. Choral Masterworks: Romantic/Contemporary (3).
MUL 5665. Percussion Literature and Resource Seminar (3).
MUL 5672. 20th Century Opera Literature (2).
MUL 5677. Seminar in Opera Literature: 1600–1800 (2).
MUL 5678. Seminar in Opera Literature: 19th Century (2).
MUL 5852. The Music of W.A. Mozart (3).
MUL 5854. The Music of Igor Stravinsky (3).
MUL 5936r. Special Topics in Music Literature (1–3).

Commercial Music

- MUM 5225.** Theory of Piano Technology I (2).
MUM 5226. Theory of Piano Technology II (2).
MUM 5256. Piano Technology Practicum I (3).
MUM 5257. Piano Technology Practicum II (3).
MUM 5258. Piano Technology Practicum III (3).
MUM 5259. Piano Technology Practicum IV (3).
MUM 5265. Organ Design and Maintenance (2).
MUM 5805. Introduction to Arts Administration (3).
MUM 5807. Survey of Orchestra Management (3).
MUM 5815. Fundraising Strategies in the Arts (3).
MUM 5816. Audience Development, Marketing and Public Relations in Musical Arts Organizations (3).

Music Ensembles

- MUN 5115r.** Marching Chiefs (0–1).
MUN 5125r. Concert Band (0–1).
MUN 5135r. Symphonic Band (0–1).
MUN 5145r. Wind Orchestra (0–1).
MUN 5146r. Chamber Winds (0–1).
MUN 5215r. University Symphony (0–1).
MUN 5225r. Chamber Orchestra (0–1).
MUN 5235r. Opera Orchestra (0–1).
MUN 5315r. University Singers (0–1).
MUN 5316r. Choral Union (0–1).
MUN 5325r. Women's Glee Club (0–1).
MUN 5335r. Men's Glee Club (Collegians) (0–1).
MUN 5345r. Chamber Chorus (0–1).
MUN 5355r. Opera Chorus (0–1).
MUN 5395r. University Chorale (0–1).
MUN 5425r. Woodwind Ensemble (0–1).
MUN 5435r. Brass Ensemble (0–1).
MUN 5445r. Percussion Ensemble (0–1).
MUN 5456r. Duo Piano (1).
MUN 5465r. Chamber Music (0–1).
MUN 5477r. Collegium Musicum (0–1).
MUN 5478r. Baroque Ensemble (0–1).
MUN 5485r. Guitar Ensemble (0–1).
MUN 5515r. Piano Vocal/Instrumental Accompanying (0–1).
MUN 5715r. Jazz Ensemble (0–1).
MUN 5725r. Jazz-Pop Ensemble (0–1).
MUN 5806r. World Music Ensemble (0–1).

Opera/Music Theatre

- MUO 5007r.** Musical Theatre Workshop (2).
MUO 5445r. Opera Coaching (1–2).
MUO 5455r. Performance of Operatic Role (1–2).
MUO 5505r. Opera (0–4).
MUO 5605r. Opera Production (1).
MUO 5701r. Opera Directing (2).
MUO 5801. Opera Project (3).
MUO 6446r. Opera Coaching (1–2).

Church Music

- MUR 5206.** Hymnology (2).
MUR 5415. The Organ and Its Music from the Middle Ages to the End of the 17th Century (2).
MUR 5416. The Organ and Its Music from the Time of J. S. Bach to the Present Day (2).

Music

- MUL 5426.** String Quartet Literature from Haydn to Bartok and Beyond (3).
MUS 5226. French Language and Diction for Singers (3).
MUS 5236. German Language and Diction for Singers (3).
MUS 5246. Italian Language and Diction for Singers (3).
MUS 5325. Survey of the Music Industry (3).
MUS 5345. Music Instrument Digital Interface (3).
MUS 5346r. Laboratory for Music Instrument Digital Interface (2).
MUS 5365. Graduate Survey of Music Technology (1).
MUS 5536. Multimedia for Musicians (3).
MUS 5538r. Computers in Music Design Seminar (3).
MUS 5545. Electronics for Musicians (3).
MUS 5546. Digital Music Synthesis I (3).
MUS 5547. Digital Music Synthesis II (3).
MUS 5616. Psychology of Music (3).
MUS 5619. Behavior Modification in Music (3).
MUS 5711. Music Bibliography (2).
MUS 5721. Music Perception and Cognition (3).
MUS 5722. Descriptive Research in Music (3).
MUS 5723. Experimental Research in Music (3).
MUS 5735r. Advanced Methods in Music Research (3).
MUS 5806r. Dynamic Integration (0-1).
MUS 5906r. Directed Individual Study (1-3). (S/U grade only.)
MUS 5910r. Supervised Research (1-3). (S/U grade only.)
MUS 5921r. Symposium in Music (1-6).
MUS 5929r. Workshop in Music (1-6).
MUS 5930. Seminar in Contemporary Instructional Techniques in Music (3).
MUS 5931r. Arts Administration Seminar (1).
MUS 5937r. Graduate Tutorial in Music (1-3). (S/U grade only.)
MUS 5939r. Special Topics in Music (1-3).
MUS 5940r. Supervised Teaching (1-3). (S/U grade only.)
MUS 5941r. Internship in Music Performance (1-12). (S/U grade only.)
MUS 5975. Graduate Project (2). (S/U grade only.)
MUS 6907r. Directed Individual Study (1-3). (S/U grade only.)
MVV 5651. Flute Pedagogy (0-1).

Music Theory

- MUT 5051.** Graduate Theory Survey (3).
MUT 5151. Introduction to Graduate Study in Music Theory: Survey (3).
MUT 5357. Jazz Theory/Arranging I (3).
MUT 5358. Jazz Theory/Arranging II (3).
MUT 5381. Composing and Arranging for Wind Band (3).
MUT 5445. Contrapuntal Genres (3).
MUT 5573. Music Since World War II (3).
MUT 5587. Classic, Romantic, and 20th-Century Styles (3).
MUT 5618. Analysis of Masterworks 1700-1950 (3).
MUT 5619. Vocal Forms (3).
MUT 5625. Instrumental Forms (3).
MUT 5627. Introduction to Schenkerian Analysis (3).
MUT 5628. Atonal Analysis (3).
MUT 5629. Schenkerian Theory and Analysis II (3).
MUT 5646r. Jazz Improvisation I (1).
MUT 5647r. Jazz Improvisation II (1).
MUT 5655. Writing Skills: 16th-Century Counterpoint (3).
MUT 5656. Writing Skills: Fugue (3).
MUT 5751. Pedagogy of Music Theory (3).
MUT 5752. Pedagogy of Music Theory (3).
MUT 5760. History of Music Theory (3).
MUT 6937. Doctoral Seminar in Music Theory (3).
MUT 6938r. Doctoral Seminar in Music Theory (3).

Music Therapy

- MUY 5411.** Music in Counseling (2).

- MUY 5612.** Music Therapy Drumming (1).
MUY 5705. Assessment Instruments in Music Therapy/Music Education (2).
MUY 5935. Seminar in Music Therapy (2).
MUY 5946. Graduate Clinical Project (6).

Applied Music

- MVO 5050r.** Applied Music Graduate Coaching (1-2).
MVO 5055r. Applied Music Graduate Coaching (2-4).
MVK 5151r. Class Piano (1).
MVV 5151r. Class Voice (1).
MVS 5156. Beginning Class Guitar (1).
MV(B, H, K, O, P, S, V, W) 5250r-5259r. Applied Music Secondary (two hours each).
MVB 5251r. App Mus Sec, Trumpet
MVB 5252r. App Mus Sec, French Horn
MVB 5253r. App Mus Sec, Trombone
MVB 5254r. App Mus Sec, Baritone Horn
MVB 5255r. App Mus Sec, Tuba
MVH 5250r. App Mus Sec, Historical Instruments (1-2).
MVH 5251r. App Mus Sec, Cupped Mouthpieces (1-2).
MVH 5252r. App Mus Sec, Open Reeds (1-2).
MVH 5253r. App Mus Sec, Capped Reeds (1-2).
MVH 5254r. App Mus Sec, Recorder (1-2).
MVH 5255r. App Mus Sec, Flute (1-2).
MVH 5256r. App Mus Sec, Plucked Instruments (1-2).
MVH 5257r. App Mus Sec, Bowed Strings (1-2).
MVH 5258r. App Mus Sec, Voice (1-2).
MVH 5259r. App Mus Sec, Dulcimer, Portative Organ, Regal, Percussion (1-2).
MVK 5251r. App Mus Sec, Piano
MVK 5252r. App Mus Sec, Harpsichord
MVK 5253r. App Mus Sec, Organ
MVO 5250r. Modified Credit, All Instruments (1).
MVP 5251r. App Mus Sec, Percussion
MVS 5251r. App Mus Sec, Violin
MVS 5252r. App Mus Sec, Viola
MVS 5253r. App Mus Sec, Violoncello
MVS 5254r. App Mus Sec, Double Bass
MVS 5255r. App Mus Sec, Harp
MVS 5256r. App Mus Sec, Guitar
MVV 5251r. App Mus Sec, Voice
MVV 5251r. App Mus Sec, Flute
MVV 5252r. App Mus Sec, Oboe
MVV 5253r. App Mus Sec, Clarinet
MVV 5254r. App Mus Sec, Bassoon
MVV 5255r. App Mus Sec, Saxophone
MV(B, J, K, O, P, S, V, W) 5350r-5359r. Applied Music Principal (two hours each).
MVB 5351r. App Mus Prin, Trumpet
MVB 5352r. App Mus Prin, French Horn
MVB 5353r. App Mus Prin, Trombone
MVB 5354r. App Mus Prin, Baritone Horn
MVB 5355r. App Mus Prin, Tuba
MVJ 5350r. App Mus Prin, Piano, Jazz
MVJ 5351r. App Mus Prin, Voice, Jazz
MVJ 5353r. App Mus Prin, Guitar, Jazz
MVJ 5354r. App Mus Prin, Bass, Jazz
MVJ 5356r. App Mus Prin, Saxophone, Jazz
MVJ 5357r. App Mus Prin, Trumpet, Jazz
MVJ 5358r. App Mus Prin, Trombone, Jazz
MVJ 5359r. App Mus Prin, Percussion, Jazz
MVK 5351r. App Mus Prin, Piano
MVK 5352r. App Mus Prin, Harpsichord
MVK 5353r. App Mus Prin, Organ
MVO 5350r. Modified Credit, All Instruments (1).
MVP 5351r. App Mus Prin, Percussion
MVS 5351r. App Mus Prin, Violin
MVS 5352r. App Mus Prin, Viola
MVS 5353r. App Mus Prin, Violoncello
MVS 5354r. App Mus Prin, Double Bass
MVS 5355r. App Mus Prin, Harp
MVS 5356r. App Mus Prin, Guitar
MVV 5351r. App Mus Prin, Voice

MVV 5351r. App Mus Prin, Flute
MVV 5352r. App Mus Prin, Oboe
MVV 5353r. App Mus Prin, Clarinet
MVV 5354r. App Mus Prin, Bassoon
MVV 5355r. App Mus Prin, Saxophone
MV(B, K, O, P, S, V, W) 5450r–5456r. Applied Music Major (four hours each) (MVV 5451 three hours).
MVB 5451r. App Mus Maj, Trumpet
MVB 5452r. App Mus Maj, French Horn
MVB 5453r. App Mus Maj, Trombone
MVB 5454r. App Mus Maj, Baritone Horn
MVB 5455r. App Mus Maj, Tuba
MVJ 5456r. App Mus Maj, Saxophone, Jazz
MVJ 5457r. App Mus Maj, Trumpet, Jazz
MVJ 5459r. App Mus Maj, Percussion, Jazz
MVK 5451r. App Mus Maj, Piano
MVK 5453r. App Mus Maj, Organ
MVO 5450r. Modified Credit, All Instruments (2).
MVP 5451r. App Mus Maj, Percussion
MVS 5451r. App Mus Maj, Violin
MVS 5452r. App Mus Maj, Viola
MVS 5453r. App Mus Maj, Violoncello
MVS 5454r. App Mus Maj, Double Bass
MVS 5455r. App Mus Maj, Harp
MVS 5456r. App Mus Maj, Guitar
MVV 5451r. App Mus Maj, Voice
MVV 5451r. App Mus Maj, Flute
MVV 5452r. App Mus Maj, Oboe
MVV 5453r. App Mus Maj, Clarinet
MVV 5454r. App Mus Maj, Bassoon
MVV 5455r. App Mus Maj, Saxophone
MVS 5505r. Orchestral Repertoire for Violin (1). (S/U grade only.)
MVS 5550r. String Repertory (0–1).
MVV 5552r. Musical Theatre Repertoire (1).
MVS 5556r. Guitar Repertory (1).
MVK 5605. Organ/Harpsichord Pedagogy (2).
MVO 5650. Pedagogy for Winds and Percussion (3).
MVK 5651. Piano Pedagogy I (3).
MVV 5651. Seminar in Vocal Pedagogy (2).
MVK 5652. Piano Pedagogy II (3).
MVK 5661. Advanced Piano Pedagogy I (3).
MVK 5662. Advanced Piano Pedagogy II (3).
MVK 5671. Practicum in Piano Pedagogy (2).
MVK 5681r. Applied Music Major: Piano Pedagogy (4).
MVV 5705r. Introduction to the Baroque Flute (1).
MVV 5706r. Introduction to the Baroque Recorder (1).
MVK 5710. Piano Accompanying Vocal (1).
MVK 5711. Piano Accompanying Instrumental (1).
MVK 5730r. Applied Music Major, Vocal Accompanying (4).
MVK 5731r. Applied Music Major, Instrumental Accompanying (4).
MVK 5732r. Applied Music Opera Coaching (4).
MVK 5745. Techniques of Vocal Coaching (2).
MVK 5746. Techniques of Coaching Chamber Music (2).
MVK 5747. Techniques of Opera Coaching (2).
MVK 5935r. Continuo Playing Keyboard (1).
MVK 5936. Service Playing (2).
MV(B, K, P, S, V, W) 5955. Certificate Recital (0). (S/U grade only.)
MV(B, K, P, S, W) 5976–5977. Master's Recital (two hours each). (S/U grade only.)
MVV 5976r. Master's Voice Recital Coaching (2).
MVV 5977. Master's Recital (Voice) (0). (S/U grade only.)
MVK 5973r. Master's Recital, Vocal Accompanying (1). (S/U grade only.)
MVK 5974r. Master's Recital, Instrumental Accompanying (1). (S/U grade only.)
MVK 5975. Master's Recital: Piano Pedagogy (0). (S/U grade only.)
MVO 6060r. Applied Music Graduate Coaching (1–2).
MVO 6065r. Applied Music Graduate Coaching (2–4).
MV(B, K, O, P, S, V, W) 6260r–6266r. Applied Music Secondary (two hours each).
MVO 6260r. Modified credit, All Instruments (1).
MV(B, K, O, S, V, W) 6360–6369r. Applied Music Principal (two hours each).
MVO 6360r. Modified credit, All Instruments (1).
MV(B, K, O, P, S, V, W) 6460r–6469r. Applied Music Major (four hours each).

MVB 6461r. App Mus Maj, Trumpet
MVB 6462r. App Mus Maj, French Horn
MVB 6463r. App Mus Maj, Trombone
MVB 6464r. App Mus Maj, Euphonium
MVB 6465r. App Mus Maj, Tuba
MVK 6461r. App Mus Maj, Piano
MVK 6463r. App Mus Maj, Organ
MVO 6460r. Modified Credit, All Instruments (2).
MVP 6461r. App Mus Maj, Percussion
MVS 6461r. App Mus Maj, Violin
MVS 6462r. App Mus Maj, Viola
MVS 6463r. App Mus Maj, Violoncello
MVS 6464r. App Mus Maj, Double Bass
MVS 6466r. App Mus Maj, Guitar
MVV 6461r. App Mus Maj, Voice
MVV 6461r. App Mus Maj, Flute
MVV 6462r. App Mus Maj, Oboe
MVV 6463r. App Mus Maj, Clarinet
MVV 6464r. App Mus Maj, Bassoon
MVV 6465r. App Mus Maj, Saxophone
MV(S, V) 6469. Applied Music Major Certificate (4).
MVS 6560r. String Repertory (0–1).
MVS 6566r. Guitar Repertory (1).
MVV 6661. Vocal Pedagogy Seminar I (3).
MVV 6662. Vocal Pedagogy Seminar II (3).
MVK 6733r. Applied Music Major Accompanying (4).
MVV 6978r. Doctoral Voice Recital and Repertoire Coaching (2).
MV(B, K, P, S, V, W) 6985–6989. Doctoral Recital (one to four hours each). (S/U grade only.)

For listings relating to graduate coursework for thesis, treatise, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

NEUROSCIENCE:
see *Graduate Bulletin*

NURSING

COLLEGE OF NURSING

Web Page: <http://nursing.fsu.edu/>

Professors: Frank, Grubbs, Karioth, Speake; **Associate Professors:** Cormier, Cottrell, Hauber, Schmitt, Whyte; **Assistant Professors:** Pappas, Park, Porterfield; **Research Associate:** Tucker; **Associates in Nursing:** Cuchens, Little, McLarty, Smith, Studenic-Lewis, Whitten; **Assistants in Nursing:** Bamber, Graven, Hires, Kendall, Wheeler

The College of Nursing offers a Bachelor of Science in Nursing (BSN) for traditional and accelerated second-degree students. The undergraduate program is approved by the Florida Board of Nursing and accredited by the Commission on Collegiate Nursing Education (CCNE). At the completion of the program the student will have met all major requirements for the BSN. The graduate of the undergraduate nursing program will have met the academic eligibility requirements for taking the registered nurse state licensing examination. The mission of the College of Nursing is to develop nursing leaders for professional practice and research in diverse settings.

Effective Fall 2011, the College of Nursing transitioned to freshman admissions. Beginning Fall 2013, a limited number of spaces at the junior level will be available for upper division and transfer students with competitive GPAs and SAT scores. The program is an upper-division limited access major with required sequential course offerings and elective courses in nursing. The nursing courses are based on concepts and principles from liberal studies, the supporting biological and behavioral sciences, and nursing. This theoretical base is used with the nursing process in the systematic development of nursing care for individuals and groups in a variety of health care settings.

The College of Nursing offers honors in the major to encourage talented students to undertake independent research. For requirements and other information, see the "University Honors Office and Honor Societies" section of this *General Bulletin*.

For complete details of programs offered and admission requirements, plus a description of the college, its facilities, opportunities, and available financial assistance, refer to the "College of Nursing" chapter of this *General Bulletin*. For current course offerings, please refer to the FSU College of Nursing Web site, at <http://nursing.fsu.edu/>.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in nursing and accelerated nursing satisfy this requirement by earning a grade of "C" or higher in NUR 4169.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutes necessary for admission into this upper-division degree program:

1. BSC X085C or BSC X085/X085L or BSC X093C or BSC X093/X093L
2. BSC X086C or BSC X086/X086L or BSC X094C or BSC X094/X094L
3. CHM XXXX or BCH XXXX or BSC XXXX or PCB XXXX or PHY XXXX
4. DEP X004 or DEP X054 or DEP X000 or DEP X414
5. HUN X201 or NUR X192
6. MCB X010C or MCB X010/X010L or MCB X013C or MCB X013/X013L or MCB X000/X000L or MCB X004/X004L
7. PSY XXXX or SOP XXXX or SYG XXXX
8. STA X014 or STA X023 or STA X122 or STA X022

Note: Epidemiology (three credit hours) is recommended but not required.

Definition of Prefixes

NGR—Nursing: Graduate

NSP—Nursing: Special

NUR—Nursing: Generic Undergraduate

Undergraduate Courses

Theory/Laboratory Courses Required

NUR 3056. Foundations of Nursing Practice (3). Prerequisite: Admission to the Nursing major. Corequisite: Semester I Nursing courses. This course introduces the nursing student to the foundations of professional nursing practice which includes multidimensional aspects of clients/families, the relationship between quality of care and client outcomes, patient safety, communication, and use of evidence to support practice.

NUR 3056L. Foundations of Nursing Practice Lab (2). (S/U grade only.) Prerequisite: Admission to the Nursing major. Corequisite: Semester I Nursing courses. This course provides the application component of NUR 3056. Under the guidance of lab instructors, the student is given opportunities to integrate theoretical knowledge from NUR 3056 in practice sessions. Demonstration; low, medium, and high fidelity simulation scenarios; deliberate practice methods; debriefing; and reflective instructional approaches are used.

NUR 3065. Health Assessment, Wellness and Prevention Across the Lifespan (3). Prerequisite: Admission to the Nursing major. Corequisite: Semester I Nursing courses. This course introduces the nursing student to concepts and models of wellness and health promotion for individuals, families, and communities. Included are communication and interview techniques in compiling a health history, technical skills in performing a physical exam, clinical reasoning skills in doing a health risk appraisal, formulating nursing diagnoses appropriate to identified problems, and understanding the role of the nurse in patient education. Client's cultural differences, development stage, family structure, economic situation, and health behaviors are considered when evaluating health status. In addition, the role of the nurse in patient education is emphasized.

NUR 3065L. Health Assessment, Wellness and Prevention Across the Lifespan Lab (1). (S/U grade only.) Prerequisite: Admission to the Nursing major. Corequisite: Semester I Nursing courses. This course provides the application component of NUR 3065. Under the guidance of lab instructors, the student is given opportunities to integrate theoretical knowledge from NUR 3065 in practice sessions using demonstration; low, medium, and high fidelity simulation scenarios; deliberate practice; debriefing; and reflective instructional approaches.

NUR 3125. Pathophysiological Concepts in Nursing (4). Prerequisite: BSC 2085 and BSC 2086. The course introduces the undergraduate nursing student to general body responses and alterations in disease across the lifespan. Topics cover physiological concepts, alterations in body systems, and clinical manifestations.

NUR 3145. Pharmacological Concepts in Nursing (2). Prerequisite: Admission to the Nursing major. Corequisite: Semester I Nursing courses. This course introduces the nursing student to foundational concepts in pharmacology and their application in health care settings. Pharmacological concepts include pharmacodynamics pharmacokinetics and pharmacogenomics, drug toxicity, and major drug classifications. Application concepts include drug therapy and patient safety, the role of the Federal Drug Administration (FDA), dosage calculation, and the nursing role in drug therapy.

NUR 3225. Nursing Care of the Adult with Acute and Chronic Health Disorders (3). Prerequisite: Semester I Nursing courses. Corequisite: Semester II Nursing courses. This course focuses on nursing care of adults and their families with acute and chronic health disorders. Pathophysiological, psychological, and sociocultural processes and environmental issues associated with acute and chronic health disorders in adults are presented. Critical reasoning and problem solving skills are used in designing care to promote positive health outcomes.

NUR 3225L. Nursing Care of the Adult with Acute and Chronic Health Disorders Lab (4). (S/U grade only.) Prerequisite: Semester I Nursing courses. Corequisite: Semester II Nursing courses. This course provides the application component of NUR 3225. Under the guidance of clinical instructors, the student is given opportunities to integrate theoretical knowledge from NUR 3225 in both simulated and clinical sessions. Deliberate practice, debriefing, and reflective instructional approaches are used in both settings.

NUR 3678. Nursing Care of Vulnerable Populations (4). Prerequisites: NUR 3056C, NUR 3065C, NUR 3125, and NUR 3822. Corequisite: NUR 3636L. This course examines the application of nursing and related theories to the care of vulnerable populations throughout the life cycle. Emphasis is placed on nursing care of the elderly, clients with psychosocial disorders, and at-risk culturally diverse populations in the community. The impact of poverty, environment, support networks, health policy, and community resources on vulnerable populations and health outcomes is explored. The focus is on promoting client independence and maximizing quality of life of vulnerable individuals, families and communities.

NUR 3678L. Nursing Care of Vulnerable Populations Lab (3). (S/U grade only.) Prerequisite: Semester I Nursing courses. Corequisite: Semester II Nursing courses. This course provides the application component of NUR 3678. Under the guidance of clinical instructors, the student is given opportunities to integrate theoretical knowledge from NUR 3678 in clinical sessions. Emphasis is placed on nursing care of the elderly, clients with psychosocial disorders, and at risk culturally diverse populations in the community. The impact of poverty, environment, support networks, health policy, and community resources on vulnerable populations and health outcomes is explored. The focus is on promoting client's independence and maximizing quality of life of vulnerable individuals, families, and communities.

NUR 3805. Nursing: Role and Scope (3). Prerequisite: Admission to RN to BSN Program. This course is designed for the returning registered nurse student. Current and emerging concerns of professional nursing are addressed within the context of nursing history, nursing practice, impact of global trends, and the influence of political and socioeconomic policies on nursing and health care. The roles of the baccalaureate nurse are examined in relation to individual, family, and community outcomes with emphasis on client advocacy, teaching, autonomy, accountability, change agent, research, critical thinking, and leadership. The legal and ethical framework for professional nursing and cultural diversity also are explored. Selected nursing practice models and health belief models are considered for applicability to nursing practice.

NUR 3816. Professional Perspectives in Nursing (2). Prerequisite: Semester I Nursing courses. Corequisite: Semester II Nursing courses. This course introduces the student to the historical and theoretical perspectives that have impacted the development of nursing. The progression of nursing toward professionalism is explored, including foundational concepts such as ethics, advocacy, and legal issues.

NUR 3895. Teaching Adults in Health-Related Areas (1). (S/U/ grade only.) This course explores the role of teaching and learning in health care settings. Utilizing the concepts of adult education and educational psychology, the student develops a teaching/learning episode and assimilates strategies for teaching clients along the health care continuum.

NUR 4069C. Advanced Health Assessment (3). Pre- or Co- requisite: NUR 3805. Designed to develop students' knowledge of skills for advanced health assessment, including health history and physical examination.

NUR 4080. Nursing Concepts I (4). Prerequisite: NUR 4069C. Corequisite: NUR 4080L. This course is designed for the returning registered nurse student. It emphasizes concepts related to health promotion, chronic illness, family, principles of group dynamics, domestic violence, addiction, grief and loss, and psychosocial needs. The planning for utilization of these concepts when caring for individuals, families, and communities also is highlighted.

NUR 4080L. Nursing Practicum I (1). (S/U grade only.) Prerequisite: NUR 4069C. Corequisite: NUR 4080. This clinical laboratory course provides the returning registered nurse student with the opportunity to apply professional nursing strategies while assisting clients and families in maintaining and/or regaining an optimal level of wellness. Emphasis is given to the professional nursing roles of care provider/coordinator, teacher, collaborator, and problem solver in clients/family health care across the life span.

NUR 4169. Evidence-Based Nursing (2). Prerequisites: Semesters I and II Nursing courses. Corequisites: Semester III Nursing courses. This course introduces students to major systematic approaches to the development and improvement of nursing practice including evidence-based practice, quality improvement, and research. Inquiry through evidence-based approaches and research are discussed. Focus is placed on the processes of finding, reading, appraising, critiquing, and synthesizing evidence to improve practice.

NUR 4445. Nursing Care of Women, Children, and Families (4). Prerequisites: Semester I and II Nursing courses. Corequisites: Semester III Nursing courses. This course focuses on individuals and their families during the childbearing and childrearing phases of family development. Physiologic, psychological, sociocultural, and pathophysiologic processes and environmental issues associated with childbearing and childrearing are presented. The nurse's role in health promotion is emphasized. Illness and complications are examined. Issues related to preserving, promoting, and restoring health status of family members are emphasized. The application of competencies and skills may occur in a simulated setting.

NUR 4555L. Nursing Care of Women, Children and Families Lab (2). (S/U grade only.) Prerequisites: Semester I and II Nursing courses. Corequisites: Semester III Nursing courses. This course provides the application component of NUR 4445. Under the guidance of clinical instructors, the student is given opportunities to integrate theoretical knowledge from NUR 4445 in both simulated and clinical sessions. Deliberate practice, debriefing, and reflective instructional approaches are used in both settings.

NUR 4766. Nursing Care of Adults and Populations with Complex Health Disorders (4). Prerequisites: NUR 3056C, NUR 3065C, NUR 3125, NUR 3225C, NUR 3636L, NUR 3678, NUR 3822, and NUR 4445C. This course focuses on the nursing management of adults and their families in acute care and appropriate community care settings. Critical reasoning and problem solving skills are used to address safe intervention and evaluation outcomes appropriate to the health care needs of adults and families experiencing complex health disorders. The course includes content on the triage of care of patients during events that result in widespread illness or mass casualties.

NUR 4766L. Nursing Care of Adults/Populations with Complex Health Disorders Lab (3). (S/U grade only.) Prerequisites: Semester I and II Nursing courses. Corequisite: NUR 4766. This laboratory course focuses on the application of the nursing process, concepts, principles, and technological competencies while providing nursing interventions to adults and their families experiencing complex and multi-system health disorders. Effectiveness of nursing interventions and expected outcomes are evaluated. The application of competencies and skills may occur in a simulated setting.

NUR 4828. Transition to Nursing Practice (2). Prerequisites: NUR 3056, NUR 3065, NUR 3125, NUR 3225, NUR 3678, NUR 3822, NUR 4445, NUR 4766, and NUR 4888. This course explores the multiple roles and opportunities for the professional registered nurse. Topics related to practice issues are addressed. Strategies for transition from academia to practice environments are analyzed and include the development of a personal career plan.

NUR 4888. Nursing Leadership in Systems of Care (3). Prerequisites: Semester I, II, and III Nursing courses. Corequisites: Semester IV Nursing courses. This course focuses on concepts, principles, and theories of leadership, management, role development and administration in a variety of culturally diverse health care delivery systems at local, regional, national, and global levels. Skills required by the professional nurse leader, including delegation of responsibilities, networking, facilitation of groups, conflict resolution, case management, collaboration, budgeting, cost effectiveness and resource allocation, risk management, quality and performance indicators, teaching, and professional development are emphasized and applied in relevant settings.

NUR 4888L. Nursing Leadership in Systems of Care Lab (2). (S/U grade only.) Prerequisites: Semester I, II, III Nursing courses. Corequisites: Semester IV Nursing courses. This course provides the application component of NUR 4888. Under the guidance of clinical instructors, the student is given opportunities to integrate theoretical knowledge from NUR 4888 in clinical sessions. Deliberate practice, debriefing, and reflective instruction approaches are used. Skills required by the professional nurse leader, including delegation of responsibilities, networking, facilitation of groups, conflict resolution, case management, collaboration, budgeting, cost effectiveness and resource allocation, risk management, quality and performance indicators, teaching and professional development are emphasized and applied in relevant settings.

NUR 4945. Professional Nursing Internship (6). (S/U grade only.) Prerequisites: All required courses in the Nursing major (except required nursing electives). This course occurs following the completion of all required nursing courses. This capstone clinical experience requires the student to demonstrate competencies consistent with program outcomes. Synthesis of core values, core competencies, core knowledge, and role development is expected. The student collaborates with the faculty and the preceptor in choosing the care setting and plans and organizes the learning experience to facilitate a successful transition into the profession.

Electives

NSP 3185. Multicultural Factors and Health (3). A comparative analytical approach to the study of communication, current problems, issues, health care beliefs, values, and practices of different systems and cultural norms as they affect health care practices that conflict with ethnic or cultural communication related to standards and value systems.

NSP 3425. Women's Health Issues: Concerns Through the Life Cycle (3). Focus will be on issues related to women throughout the life cycle including sexuality, obesity, anorexia, cancer, etc. Emphasis is on prevention of illness and rights to health care access.

NSP 3685. Grief, Loss and Trauma: Ethnic and Individual Variations (3). This course explores similarities and differences among cultures when responding to grief and loss. Topics related to diverse populations and grief practices are examined, as well as personal response to grief, loss, and trauma; not exclusively utilizing death as the only example of loss, or trauma. The course allows students to expand their reactions to life and death, plan their own funeral, and at the same time focus on family, community, and worldwide populations.

NSP 4546. Substance Abuse and the Effects on Health, Family, and Profession (3). Broad-based approach to substance abuse and the effects on health, family, and the profession; identifying groups at risk, prevention activities, and help approaches.

NUR 3076. Communication in Health Care (3). Prerequisite: ENC 1101. This course examines various communication patterns basic to individual and group relationships. Course emphasizes the development of interactive skills paramount to effective communication with individuals and groups involved with health care issues. It provides an opportunity for the validation of oral communication and a range of public speaking experiences especially related to health care.

NUR 3177. Holistic and Complementary Approaches to Health and Healing (3). This course is designed to explore knowledge of practices that promote health and well-being. Emphasis is on stress management and body-mind-spirit communication. A variety of holistic and complementary approaches to health and healing are explored.

NUR 4826. Contemporary Clinical Ethics in Health Care (3). Provides students with the opportunity to both explore the ethical dimensions of health care practices and develop skills in ethical decision making. Students will practice the clinical application of ethical theory in relation to current health care issues and concerns.

NUR 4905r. Directed Individual Study (1-4). May be repeated to a maximum of six semester hours.

NUR 4930r. Special Topics (1-3). Topics of interest relating to nursing and other health-related issues. May be repeated to a maximum of nine semester hours.

NUR 4975r. Honors Thesis (1-6). May be repeated to a maximum of nine semester hours.

Graduate Courses

NGR 5003C. Health Assessment for Advanced Practice (4).

NGR 5051C. Advanced Wound Management (2).

NGR 5064C. Advanced Skills for the Advanced Practice Nurse (2).

NGR 5102. Theoretical Constructs for Nursing Science (3).

NGR 5112C. Advanced Clinical Practice for Nurse Educators (4).

NGR 5140. Advanced Pathophysiology (4).

NGR 5172. Pharmacology for Advanced Practice (3).

NGR 5250. Issues in Geriatrics Seminar (1).

NGR 5291. Advances and Trends in Adult Health Nursing (1).

NGR 5305. Issues in Pediatrics Seminar (1).

NGR 5341. Women's Health Seminar (1).

NGR 5503. Advanced Practice Psychiatric Nursing Seminar (1).

NGR 5638. Health Promotion and Program Planning (3).

- NGR 5713. Curriculum Development in Nursing Education (4).
 NGR 5714C. Instruction in Nursing Education: Design and Strategies (4).
 NGR 5718C. Evaluation in Nursing Education (4).
 NGR 5766. Nursing Leadership within Complex Healthcare Environments (3).
 NGR 5770. Clinical Leadership and Resource Management (3).
 NGR 5772L. Clinical Leadership Practicum I (3).
 NGR 5773L. Clinical Leadership Practicum II (3).
 NGR 5775L. Clinical Leadership Practicum III (4).
 NGR 5800. Methods in Nursing Research (3).
 NGR 5846. Biostatistics (3).
 NGR 5852. Evidence-Based Practice Appraisal and Application (3).
 NGR 5871. Managing Information and Technology in Health Systems (3).
 NGR 5887. Legal and Ethical Complexities in Healthcare (3).
 NGR 5905r. Directed Independent Study (1-3).
 NGR 5910r. Supervised Research (1-3).
 NGR 5930r. Special Topics in Nursing (1-3).
 NGR 5941Lr. Supervised Teaching (1-5).
 NGR 6185. Genetics and Emerging Diseases (3).
 NGR 6601. Advanced Management of the Family I (3).
 NGR 6601L. Family Nurse Practitioner Practicum I (4). (S/U grade only.)
 NGR 6602. Advanced Management of the Family II (3).
 NGR 6602L. Family Nurse Practitioner Practicum II (4). (S/U grade only.)
 NGR 6619L. Family Nurse Practitioner Practicum III (5). (S/U grade only.)
 NGR 6641. Assessment and Collaboration with Communities and Systems (2).
 NGR 6673. Epidemiological Methods (3).
 NGR 6768. DNP Roles and Interprofessional Collaboration (3).
 NGR 6778L. Health Systems Leadership Practicum I (3). (S/U grade only.)
 NGR 6779L. Health Systems Leadership Practicum II (5). (S/U grade only.)
 NGR 6853. Translation and Synthesis of Evidence (3).
 NGR 6893. Healthcare, Finances, Economics, and Entrepreneurship (3).
 NGR 6895. Healthcare Policy, Politics, and Power (3).
 NGR 6896. Health Care and Organizational Change (3).
 NGR 6897L. Health Systems Leadership Practicum III (5). (S/U grade only.)
 NGR 6899. Transforming Health Care Delivery (3).
 NGR 6910C. DNP Project I (3).
 NGR 6912C. DNP Project II (3).
 NGR 6935r. DNP Project Seminar (2).
 NGR 6942Lr. DNP Residency I (1-5). (S/U grade only.)
 NGR 6943Lr. DNP Residency II (1-5). (S/U grade only.)

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Department of NUTRITION, FOOD AND EXERCISE SCIENCES

COLLEGE OF HUMAN SCIENCES

Web Page: <http://www.chs.fsu.edu/nfes>

Chair: Arjmandi; **Professors:** Hsieh, Ilich-Ernst, Moffatt, Sathe; **Associate Professors:** Figueroa, Panton, Rankins; **Assistant Professors:** Kim, Ormsbee, Prado; **Research Associate:** Kasper, Sehgal; **Associate in Athletic Training:** Garber; **Adjunct Professors:** Anderson, Cook, Jost, Magnuson, Plett, Stapell, Stowers, Trone; **Dietetics Program Directors:** Farrell, Spicer; **Professors Emeriti:** Dorsey, Erdman, Harris, Haymes, Kassouny, Toole; **Instructor and Laboratory Manager:** Douglas; **Affiliate Faculty:** Boche, Gibson, Kruesel, Latimer, Lunt, Pappas, Pfeil; **Courtesy Professor:** Chatt-Ellis, Clay, Daggy; **Advisory Board Members:** Daggy, Derman, Hamilton, Hennig, Katch, Koo, Weaver

The Department of Nutrition, Food and Exercise Sciences offers four Bachelor of Science degrees: Athletic Training, Dietetics, Exercise Science, and Food and Nutrition.

The **athletic training degree program** is accredited by the Commission on Accreditation of Athletic Training Education (CAATE) and prepares students to take the Board of Certification (BOC) examination. A major in athletic training is offered to students interested in working with injury prevention, recognition, immediate care, rehabilitation, health care management, and professional development in a sports medicine environment. Athletic training students have opportunities to gain clinical experience in a variety of sports settings, both on and off campus. Access to the athletic training program is limited by restricting the number of students admitted annually to match the available resources. The admission requirements and procedures for the athletic training program at Florida State University include common entry indicators. The common indicators included in each student's portfolio will be ranked as follows:

1. FSU cumulative grade point average of 2.5 or better based on at least fifteen hours of FSU coursework (weighted rank of GPA at 50%)
2. SAT/ACT scores (weighted rank of SAT/ACT at 25%)
3. Interview score (weighted rank of interview score at 25%).

In order to be eligible for the interview, the student must complete an application portfolio that includes: completion of Technical Standards for Admission, lab skill testing scores, clinical observation log sheets, a resumé, two letters of recommendation, official copies of all post-secondary transcripts, SAT scores, and current enrollment in or completion of ATR 1800.

Composite applicant scores, based on the above indicators, are calculated and ranked. The number of athletic training applicants admitted is determined by available vacancies created by graduation. The top-ranking students are then admitted to fill the vacancies. The Athletic Training Education Program includes a strict didactic and clinical course progression. New student admission is completed by May 31 of each year. New athletic training students enroll in the first block of courses the following Fall semester. Community college students are required to complete the same application process as resident students. Those who are formally admitted will be required to complete a minimum of six semesters to complete all clinical rotations. Please see the Athletic Training Education Program Web site for retention policies.

The purpose of the **dietetics degree program** is to provide the foundation knowledge and skills required for the didactic component of entry-level dietetics education. This Didactic Program in Dietetics (DPD) is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics (AND), 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995; (312) 899-0040 (ext. 5400). Graduates of the DPD program earn a DPD verification statement and are eligible to apply to graduate school and/or post-baccalaureate, accredited dietetic internships. An accredited dietetic internship is required for eligibility to take the national Registration Examination for Dietitians. Careers are available for registered dietitians in clinical, research, community food service management, consulting, and educational settings. The dietetics degree program is a limited access program; students apply spring of their sophomore year. Admission requirements and procedures for the Dietetics degree at Florida State University include: minimum GPA of 2.75, a grade of "S" in DIE 3005, a resumé, and a personal statement. It is highly recommended that students earn a "B" or better in the sciences; Chemistry I, Chemistry II, Organic Chemistry, and corresponding labs. Once formally admitted, the program is two years. Please see the dietetics Web page for more information regarding admission to the degree.

The FSU post-baccalaureate dietetic internship program is the supervised practice component of dietetics education available only to graduate students in the department and is required for eligibility to take the national Registration Examination for Dietitians administered by the Commission for

Dietetics Registration. The purpose of the internship is to provide students with supervised practice experiences that train interns for the competencies required by entry level positions in dietetics and nutrition practice. Careers are available for registered dietitians in clinical, research, community food service management, consulting, and educational settings. Fifteen graduate students are accepted annually to the graduate internship program through an internship application process.

The **exercise science major** prepares students for graduate study in exercise physiology, physical therapy, and other health fields, including medical school, as well as positions as personal trainers and health fitness instructors with both hospital-based wellness programs and corporate fitness programs.

The **food and nutrition science major** has a strong science base that prepares students for job opportunities in the food industry, government agencies, and careers in the medical field as well as graduate study in the field.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in athletic training, exercise science, and food and nutrition science satisfy this requirement by earning a grade of “C–” or higher in CGS 2060, CGS 2064, or BSC 2010L. Undergraduate majors in dietetics satisfy this requirement by earning a grade of “C–” or higher in CGS 2060 or CGS 2064.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

Athletic Training

1. BSC X010/X010L or BSC X010C
2. PHY X053/X053L or PHY X053C or PHY X048/X048L or PHY X048C
Note: Physics is a prerequisite; however, a program may choose to waive this coursework as a prerequisite but still require it as a graduation requirement.
3. PSY X012
4. STA X023 or STA X122 or STA X201
5. HUN X201 or HUN X941
6. BSC X093/X093L and BSC X094/X094L, or PET X322C and PET X323C, or ZOO X733C and PCB X703C, or APK X100C and APK X105C, or BSC X085/X085L and BSC X086/X086L, or BSC X085C and BSC X086C

Dietetics

1. BSC X085/X085L and BSC X086/X086L, or BSC X085C and BSC X086C, or BSC X093C and BSC X094C, or HSC X549 or PCB X702 or PET X322/X322L
2. CGS X060 or CGS X061
3. CHM X200C or CHM X200/X200L, or CHM X210/X210L and CHM X211/X211L
4. CHM X045/X045L and CHM X046/X046L, or CHM X032
5. ECO X013 or ECO X023 or ECO X000
6. HUN X201
7. MAC X105 or MAC X142
8. MCB X004/X004L or MCB X020C or MCB X013C or MCB X020/X020L
9. PSY X012 or PSY X020 or PSY X113

Exercise Science

1. BSC X085/X085L or PET X322/X322L, or APK X100C and APK X100L

2. BSC X086/X086L or PET X323/X323L or APK X105/X105L
3. PSY X012
4. BSC X010/X010L
5. BSC X011/X011L
6. CHM X045/X045L
7. CHM X046/X046L
8. HUN X201
9. MAC X147 or MAC X311, or MAC X140 and MAC X114

Core Program for All Majors

1. **Liberal Studies.** Required courses that may be taken in fulfillment of liberal studies include: English, basic nutrition, general chemistry, organic chemistry, general psychology, family relationships, mathematics, and statistics.
2. **Graduation Requirements.** See the “Undergraduate Degree Requirements” chapter of this *General Bulletin*. For multicultural, HUN 2125 is recommended if the requirement is not satisfied with liberal studies. For computer skills, all majors require a similar course or certification (select BSC 2010L, if taken at FSU).
3. **College of Human Sciences Core.** The college core is to be met by taking FAD 2230 and a three credit hour course offered by the College of Human Sciences but outside of the students selected major.
4. **Core Courses.** CGS 2060 (or equivalent such as BSC 2010L if taken at FSU); HUN 1201; MAC 1105 or better; BSC 2085/2086 or PET 3322 and PET3322L (see specific major requirements); and STA 2122 or STA 2023.

Bachelor of Science

The Department of Nutrition, Food and Exercise Sciences offers four Bachelor of Science degrees: athletic training, dietetics, exercise science, and food and nutrition. To complete requirements for these degrees the following are required: (1) liberal studies requirements; (2) general graduation requirements for the University; (3) the preceding college core requirements; and (4) specific requirements for the chosen major. Additional courses may be required to complete the one hundred twenty semester hours required for the degrees. A minimum grade of “C–” is required unless otherwise indicated.

The following are the specific requirements for each major. Students must meet the curriculum requirements in effect at the time they enter the major.

Athletic Training. APK 3113, ATR 4502, and ATR 4852; BSC 2010 and BSC 2010L; CHM 1045 and CHM 1045L; ATR 2020; HUN 1201*, FAD 2230, MAC 1105, MAC 1114, and MAC 1140; ATR 1800 and ATR 2820; PHY 2053C/2053L; PSY 2012; STA 2122. Upper division: HSC 4711; ATR 3132, PET 3322/3322L, PET 3323C, PET 3361, PET 3380C, ATR 3102*, ATR 4302C*, ATR 1810*, ATR 4503*, ATR 4932*, ATR 3012C*, ATR 3942* (x 4), ATR 3832*, ATR 3213C*, ATR 3312C*, ATR 4842*, ATR 3512*, and ATR 4862*. Athletic training students must complete all didactic and clinical experiences. All courses marked with an (*) must be completed with a “B–” or better.

All junior college/transfer students must complete the same didactic and clinical experiences as resident students. Completion of clinical courses requires a minimum of six semesters. All athletic training courses required for the major must be taken at Florida State University.

Dietetics. See liberal studies requirements, college and department core, and common prerequisites. CHM 1045/1045L**, CHM 1046/1046L**, and CHM 2200/2200L**; BCH 3023C; DIE 3005, DIE 4244*/4244L*, and DIE 4310*; ECO 2XXX, FAD 2230 and FAD 4601; FOS 3026/3026L, FOS 4114C, and FOS 4209; FSS 4135 and FSS 4315*; HUN 1201*, HUN 2125, HUN 3224, HUN 3226, HUN 3403*, and HUN 4296*; MCB 2004/2004L**, PSY 2012, PET 3322/3322L, PET 3361, STA 2122 and electives (to meet graduation requirements). All courses marked with an (*) must be completed with a “B” or better, PET 3322/3322L must be completed with a “C+.” A grade of “B” or better is suggested in courses marked with (**) to apply to the limited access program.

Exercise Science. Lower division: see liberal studies and college core, plus: BSC 2010*/2010L* and BSC 2011*/2011L*; CHM 1045*/1045L*, CHM 1046*/1046L*, CHM 2200*/2200L* or CHM 2210* and CHM 2211/2211L; HUN 1201; MAC 1105*, MAC 1114* and MAC 1140*, PHY 2053C and PHY 2054C; PSY 2012*; STA 2122*. Upper division: BCH 3023C or BCH 4053/4053L and BCH 4054, or BCH 4624; FAD 2230; HUN 3224, HUN 3226; PET 3102, PET 3322/3322L, PET 3323C, PET 3380C, and PET 4551; and three courses for a minimum of nine credit hours from the following list: APK 3113, HSC 4711; ATR 3132, PET 3361, PET 3932 (Special Topics: Exercise and Disease), or PET 4076 and electives (to meet graduation require-

ments). Exercise science majors who plan on pursuing advanced degrees in physical therapy or medicine may need to take specified electives to meet admission requirements for these programs. HUN 1201 must be completed with a “B–” or better, PET 3322 and lab must be completed with a “C+.” Courses marked with an (*) must be completed with a grade of “C” or better; a single repeat for only one of these courses is allowed.

Food and Nutrition Science. Lower division: see liberal studies, college core, plus: BSC 2010/2010L; CHM 1045/1045L, CHM 1046/1046L, CHM 2210, and CHM 2211/2211L; ECO 2013 or equivalent; FAD 2230; HUN 2125 and HUN 1201; MAC 1105, MAC 1114, MAC 1140, and MAC 2311; MCB 2004/2004L; PHY 2053C; PSY 2012; STA 2122 or STA 2023. Upper division: BCH 3023C; CHM 3120C; FOS 3026, FOS 3026L, FOS 4114C, and FOS 4209; HUN 3224, and HUN 3226; PET 3322 and PET 3322L or PCB 3063 or PCB 3134; and electives to meet graduation requirements. At least ten additional semester hours must be at the 3000–4000 level for a total of forty hours at the 3000–4000 level. HUN 1201 must be completed with a “B–” or better, PET 3322/3322L must be completed with a “C+” or better.

Honors in the Major

The Department of Nutrition, Food and Exercise Sciences offers a program in honors in the major to encourage talented juniors and seniors to undertake independent and original research as part of the undergraduate experience. Students complete a senior thesis, which usually involves six semester hours, and present an honors seminar. For requirements and other information, see the “University Honors Office and Honor Societies” chapter of this *General Bulletin*.

Master’s and Doctoral Degrees

The Department of Nutrition, Food and Exercise Sciences offers work leading to the Master of Science in nutrition and food science, the Master of Science in exercise science, the Doctor of Philosophy in human sciences, and the Doctor of Philosophy in exercise science. Consult the *Graduate Bulletin* for details.

Definition of Prefixes

APK—Applied Kinesiology
ATR—Athletic Training
DIE—Dietetics
FOS—Food Science
FSS—Food Service System
HSC—Health Sciences
HUN—Human Nutrition
PET—Physical Education Theory

Undergraduate Courses

APK 2001. Medical and Scientific Terminology (3). Prerequisite: Anatomy and Physiology I (PET 3322 or BIO 2085). This course is the study of medical and scientific terminology, the language of medicine that focuses on prefixes, suffixes, word roots and their combining forms by review of each body system and speciality area. Emphasis is on word construction, usage, comprehension, pronunciation, and spelling. In addition, students gain information regarding anatomy and physiology, pathology, diagnostic/surgical procedures, pharmacology, scientific equipment and instruments, and abbreviations.

APK 3113. Methodology of Strength and Conditioning (3). Corequisite: ATR 1810. This course covers topics involving the development of speed, strength, power, and endurance, and explores specific methods of strength and conditioning.

ATR 1800. Introduction to Athletic Training (1). (S/U grade only.) Prerequisite: 2.5 GPA. This course offers an introduction to the educational and professional requirements necessary to become a Certified Athletic Trainer. Students are exposed to the daily operations of athletics training facilities and the job responsibilities of all members of a sports-medicine team. This course provides the framework for the formal application process for the Athletic Training Education Program.

ATR 1810. Athletic Training Clinical I (1). (S/U grade only.) Prerequisite: ATR 1800. This course offers a study of the cognitive, affective, and motor skills required to perform athletic-training techniques in practice settings. The techniques employed in this course reflect those presented in the lecture and laboratory course taken the previous semester.

ATR 2020. First Aid (2). This includes adult CPR, child CPR, and first aid. In addition, OSHA recommendations, blood borne pathogen precautions, and injuries are discussed. Successful completion allows students to earn American Red Cross certification as a professional rescuer.

ATR 2820. Athletic Training Clinical II (1). (S/U grade only.) Prerequisite: ART 1810. This course offers a study of the cognitive, affective, and motor skills required to perform athletic-training techniques in practice settings. Techniques reflect those presented in the lecture and laboratory courses taken the previous semester.

ATR 3132. Kinesiology (3). Prerequisite: PET 3322. This course introduces basic physical concepts as they apply to human movement. Emphasis is placed upon structural anatomy, neuromuscular physiology, and biomedical principles as they apply to sport skills, injury assessments, fitness activities, and rehabilitative exercises.

DIE 3005. Introduction to Dietetics (1). (S/U grade only.) An introduction to dietetics, the professional opportunities for registered dietitians, the importance of public policy, and the role of the American Dietetic Association in dietetics education and practice.

FOS 3395. Food and the Consumer (3). Prerequisites: CHM 1045 and HUN 1201 with a grade of “B–” or better. Food composition, nutritional quality, and safety. Influence of food processing on food quality and safety. Consumer aspects of food including food selection, food management, and safety.

HUN 1201. The Science of Nutrition (3). Elements of nutrition and factors influencing the ability of individuals to maintain good nutrition status.

HUN 2125. Food and Society (3). Impact of society on human food ways; role of food and nutrition in national development and global politics. For nonmajors.

HUN 3403. Life Cycle Nutrition (3). Prerequisite: HUN 1201. Nutrition during pregnancy, lactation, and growth from infancy to the elderly. Effects of nutrition on mother and child. Interrelationships of diet, nutrition, emotional development, behavior, stress, and aging.

HUN 4296. Nutrition and Health Issues (3). Prerequisites: HUN 1201 and HUN 3403. This course presents how diet/nutrition, especially functional foods, can help promote health, control weight, and manage chronic diseases. Focus is on community-health promotion through diet and exercise and on diet/nutrition guidelines for client assessment, nutritional diagnosis, intervention, education, and monitoring.

PET 1081. Living Learning Center Colloquium (1). This course explores different aspects of the transition to college life. The emphasis is on topics related to wellness, and activities address the health and development of individuals, families, and communities. The course is limited to the College of Human Sciences Reynolds Hall students.

PET 2084. Personal Fitness and Wellness (3). Integrates aspects of nutrition, diet, fitness, and health/wellness for personal well being. This course cannot be used as a department elective.

PET 3102. Introduction to Exercise Sciences (1). (S/U grade only.) An introduction to fields of study and careers in areas of exercise physiology, motor behavior, athletic training, health and fitness, and physical therapy. Students will examine preparation for careers, including the role of various accrediting organizations. Current professional issues will be discussed. This course is open to non-majors.

PET 3322. Functional Anatomy and Physiology I (3). Prerequisites: HUN 1201 and CHM 1045. Corequisite: PET 3322L. The first part of a two-semester sequence, this course covers the functional anatomy and physiology of the skeletal, muscular, cardiovascular, respiratory, digestive, urinary, and endocrine systems, as well as part of the nervous system.

PET 3322L. Functional Anatomy and Physiology Laboratory I (1). Prerequisites: HUN 1201 and CHM 1045. Corequisite: PET 3322. The first part of a two-semester sequence, this lab covers the functional anatomy and physiology of the skeletal, muscular, cardiovascular, respiratory, digestive, urinary, and endocrine systems, as well as part of the nervous system.

PET 3323C. Functional Anatomy and Physiology II (4). Prerequisite: PET 3322. Continuation of a two-semester sequence of functional anatomy and physiology that includes the integumentary, nervous, lymphatic, immune, and reproductive systems.

Advanced Undergraduate Courses

ATR 3012C. Orthopedic Assessment–Upper Extremity (3). Prerequisite: ATR 2820. Athletic training students examine the following topics included in this course: clinical orthopedic anatomy; evaluation; and assessment and special test protocols for the shoulder, elbow, forearm, wrist, hand, finger, eye, face, nose, throat, mouth, teeth, cervical spine, head, and neck.

ATR 3102. Athletic Training I (3). Prerequisite: ATR 1800. Basic topics and issues pertaining to athletic training as established by the National Athletic Trainers’ Association. Treatment and rehabilitation of athletic injuries will be introduced.

ATR 3112. First Responder (3). Prerequisite: Instructor permission. This course allows students to develop basic emergency medical skills and knowledge that enables them to assist people who sustain an accidental injury or who suffer a sudden illness. This course covers all the information from the United States Department of Transportation (DOT) First Responder National Standard Curriculum.

ATR 3213C. Orthopedic Assessment–Lower Extremity (3). Prerequisite: ATR 3832. Athletic training students examine the following topics included in this course: clinical orthopedic anatomy; evaluation; and assessment and special test protocols for the foot, toes, ankle, knee, pelvis, thigh, thoracic and lumbar spine, and gait analysis.

ATR 3312C. Therapeutic Exercise/Rehabilitation (3). Prerequisite: ATR 3832. Athletic training students examine various exercise and rehabilitation topics including the following: concepts of healing; evaluation and assessment techniques; range of motion and flexibility; goniometric measurement; manual therapy techniques; muscle strengthening; plyometrics; proprioception; posture; ambulation and ambulation aids; core stabilization; aqua therapy; joint rehabilitation protocols; and spine rehabilitation protocols.

ATR 3512. Administration of Athletic Training Programs (3). Prerequisite: ATR 4842. This course explores the aspects of athletic training organization and administration. Topics include program management, human resource management, athletic insurance, risk management, ethical considerations, pre-participation physical exams, and facility design.

ART 3802. First Responder Practicum (1). (S/U grade only.) Prerequisite: ATR 3112. This course is designed to emphasize patient assessment and care procedures at the first-responder level. The skills learned in the didactic First Responder course are refined with actual patient encounters by assisting crew members of the First Responder Unit.

ATR 3832. Athletic Training Clinical III (1). (S/U grade only.) Prerequisite: ATR 2820. This course offers a study of the cognitive, affective, and motor skills required to perform athletic-training techniques in practice settings. Techniques reflect those presented in the lecture and laboratory courses taken the previous semester.

ATR 3942r. Sports Medicine Practicum (0–6). Prerequisite: ATR 1800. This course is designed for athletic training students to investigate and research athletic training special topics through individual study and seminars. Enrollment is allowed by permission of the athletic training curriculum coordinator. (Six semester hours required).

ATR 4302C. Therapeutic Modalities (3). Prerequisite: ATR 1800. This course trains students in common modalities employed by sports medicine. Where applicable, modalities of treatment will examine biophysical principles, effects of treatment, application techniques, and indications and contraindications to treatment. Safety is emphasized during instruction and practical experience.

ATR 4502. Athletic Training Professional Development (3). (S/U grade only.) Prerequisite: ATR 4852. This course covers the cognitive, affective, and motor skills required to perform athletic-training techniques in practice, non-traditional settings. Techniques reflect those presented in previous athletic-training administration lecture/lab courses. This course prepares students for the Board of Certification (BOC) examination and provides information on how the BOC examination is developed and scored.

ATR 4503. Athletic Training II (3). Prerequisite: ATR 3102. Advanced topics pertaining to athletic training.

ATR 4842. Athletic Training Clinical IV (1). (S/U grade only.) Prerequisite: ATR 3832. This course offers a study of the cognitive, affective, and motor skills required to perform athletic-training techniques in practice settings. Techniques reflect those presented in the lecture and laboratory courses taken the previous semester.

ATR 4852. Athletic Training Clinical V (1). (S/U grade only.) Prerequisite: ART 4842. This course covers the cognitive, affective, and motor skills required to perform athletic-training techniques in practice settings. Techniques reflect those presented in previous the orthopedic assessment/lower and the therapeutic exercise/rehabilitation lecture/lab courses.

ATR 4862. Athletic Training Clinical VI (1). Corequisite: ATR 4932. This course is designed as a capstone for advanced-level students who intend to enter the profession of athletic training. Students are evaluated on cognitive, affective, and motor skills - all required to perform athletic training techniques in practice settings. Additional content includes oral, practical, and written examinations; professional-development activities; and a research project. All students enrolled in this course must show proof of current membership in the National Athletic Trainers' Association (NATA).

ATR 4932. Issues in Sports Medicine (3). Prerequisite: ATR 1810. This course addresses advanced issues relevant to athletic training and sports medicine. Current topics include athletic training administration, athletic training pharmacology, advanced assessment techniques, orthopedic surgical observation, and general medical conditions.

ATR 4947. General Medical Issues Clinical (1). Prerequisite: ATR 4932. This course allows athletic training sports medicine students to observe practitioners in the allied and affiliate site settings, including medical doctors, nurse practitioners, pharmacists, chiropractors, off-campus certified athletic trainers, and others in the sports medicine setting.

DIE 4244. Nutrition in Disease (3). Prerequisites: BCH 3023C, BSC 2085, HUN 3224, HUN 4296, PET 3322, and PET 3322L. Corequisites: DIE 4244L and HUN 3226. This course covers the pathophysiology of diseases and nutrition therapy in the treatment and prevention of specific diseases.

DIE 4244L. Medical Nutrition Therapy Laboratory (1). Prerequisites: BCH 3023C, BSC 2085, HUN 3224, HUN 4296, PET 3322, and PET 3322L. Corequisites: DIE 4244L and HUN 3226. This laboratory covers the application of the principles of nutrition in the treatment and prevention of specific diseases.

DIE 4310. Community Nutrition (3). Prerequisites: HUN 1201 with a grade of "B–" or better and DIE 3005. The planning, implementation, and evaluation of nutrition programs in the community; public nutrition policy formulation.

FOS 3026. Foods (3). Prerequisites: HUN 1201 with a grade of "B–" or better and CHM 1032. Introduction to the physiochemical properties of food and the relationship of these properties to preparation techniques and food quality. Management and service of food.

FOS 3026L. Foods Laboratory (1). Prerequisite and Corequisite: FOS 3026. Introduction to the physiochemical properties of food and the relationship of these properties to preparation techniques and food quality. Management and service of food.

FOS 4114C. Food Science (4). Prerequisites: CHM 2200C, FOS 3026, and FOS 3026L. Chemistry of foods and their behavior during processing. Assessment of food quality.

FOS 4209. Food Safety and Quality (3). Prerequisites: HUN 1201 and FOS 3026 or departmental permission. Topics include food spoilage and food poisoning, food-borne pathogens, food laws and regulations, HACCP, and safe food handler practices, with an emphasis on current issues related to the quality and safety of food.

FSS 4135. Institutional Food Economics (3). Prerequisites: DIE 3005, ECO 2000 or ECO 2013, FOS 3026, and FOS 3026L. Cost analysis, cost containment, organizational structure, food laws, and food and beverage procurement in health care settings.

FSS 4315. Institutional Organization and Administration (3). Prerequisites: DIE 3005, FOS 3026, and FOS 3026L. Managerial concepts and administration concerns involved with institutional food production.

FSS 4315L. Institutional Organization and Administration Laboratory (3). Prerequisites: FSS 4315, FOS 3026, FOS 3026L, and instructor permission. Practical laboratory experience in the application of management concepts to health care and institutional food administration.

HSC 4711. Wellness/Health Risk Reduction (3). Emphasis is on positive lifestyle practices to reduce one's risk for disease and for the maintenance of health and vitality. Topics include health behavior, stress, psychological health, chronic diseases, sexually transmitted infections, immunology, and psychoactive substance use and abuse.

HSC 4999r. Tutorial in Health Promotion (1). (S/U grade only.) Small group discussions or project work. Topics selected in contemporary issues or current research. Maximum enrollment of ten (10) students per tutorial. May be repeated when topics change to a maximum of four semester hours.

HUN 3224. Intermediary Metabolism of Nutrients I (3). Prerequisites: HUN 1201 with a grade of "B–" or better; CHM 2200C. Part of a two-semester sequence emphasizing the physiochemical role of carbohydrates, lipids, and proteins in metabolic pathways; their integration and regulation; bases for determining requirements for energy-yielding nutrients and energy and dietary standards; cell growth and body composition.

HUN 3226. Intermediary Metabolism of Nutrients II (3). Prerequisites: HUN 1201 with a grade of "B–" or better; BCH 3023C or HUN 3224; and BSC 2086 or PET 3322. Part of a two-semester sequence. Emphasizes the physiochemical role of vitamins, minerals, and water in metabolic pathways; their integration and regulation; bases for determining requirements for vitamins, minerals, and water and dietary standards; nutrition surveys and evaluation of nutrition status.

HUN 3934r. Special Topics in Food and Nutrition (3–6). Prerequisite: HUN 1201 with a grade of "B–" or better. Topics in community nutrition, food science and technology, developmental and metabolic aspects of nutrition. May be repeated to a maximum of six semester hours as content changes. Consult instructor.

HUN 4905r. Directed Individual Study (1–3). May be repeated to a maximum of six semester hours.

HUN 4913r. Honors Thesis (3–6). May be repeated to a maximum of six semester hours.

HUN 4914r. Tutorial in Nutrition (1). (S/U grade only.) Small group discussions or project work. Topics selected in contemporary issues or current research. Maximum enrollment of ten (10) students per tutorial. May be repeated when topics change to a maximum of four semester hours.

HUN 4931. Honors Seminar (1).

HUN 4941r. Nutrition Practicum (1–4). (S/U grade only.) Prerequisites: HEE 4054 and a 2.50 GPA. Supervised field experience with a selected government or nongovernment agency at the local or state level. May be repeated to a maximum of four semester hours.

PET 3361. Nutrition and Sports (3). Prerequisites: HUN 1201 with a grade of "B–" or better and PET 3322. The effects of sports training upon individual nutrient stores and requirements. The effects of nutrient intake upon sports performance.

PET 3380C. Applied Exercise Physiology (4). Prerequisite: PET 3322. The nature of muscular, metabolic, cardiovascular, and respiratory adjustment to acute and chronic exercise.

PET 3932r. Special Topics in Wellness and Exercise Science (3–6). Topics in wellness, health promotion, exercise physiology, biomechanics, and motor behavior. Consult instructor. May be repeated as content changes to a maximum of six semester hours.

PET 4076. Physical Dimensions of Aging (4). The course deals with the quality of life and individual differences as we age; physical decline of physiological systems (cardiovascular, muscular, joints, bone, neuromuscular); health, exercise, and well-being; and the pathology of aging. Assists students in developing an understanding of the physical aspects of aging to apply to settings such as physical therapy, sports medicine, and health and fitness programs in hospitals and retirement communities.

PET 4551. Exercise Testing and Prescription (3). Prerequisite: PET 3380C. Course examines techniques of evaluation for physical fitness and health with a particular emphasis on aerobic capacity, flexibility, strength, and body composition and to design, implement, and administer programs for developing physical fitness and lifestyle changes.

PET 4914r. Tutorial in Exercise Physiology (1). (S/U grade only.) Small group discussions or project work. Topics selected in contemporary issues or current research. Maximum enrollment of ten students per tutorial. Repeatable to a maximum of four semester hours when the topic changes.

PET 4948r. Practicum in Exercise Sciences (1–6). Prerequisites: A 2.75 GPA, ATR 2020 or equivalent, PET 3380C, and Instructor permission. Supervised field experience in exercise physiology or motor control. May include research, athletic training, or community fitness projects. May be repeated to a maximum of six semester hours with permission of the instructor.

Graduate Courses

- DIE 5248.** Advanced Medical Nutrition Therapy (3).
- DIE 5935.** Current Topics in Dietetics (3). (S/U grade only.)
- FOS 5205.** Food Safety and Quality (3).
- FOS 5424.** Food Preservation (3).
- FOS 5930r.** Seminar in Food and Nutrition Science (1).
- FOS 5936.** Selected Topics in Food Science and Technology (3).
- FOS 6351C.** Physical and Chemical Techniques in Food and Nutrition (3).
- FOS 6930r.** Seminar in Food and Nutrition Science (1).
- HSC 5603.** Models of Health Behavior (3).
- HUN 5242.** Carbohydrates, Fats, and Proteins (3).
- HUN 5243.** Vitamins and Minerals (3).
- HUN 5297.** Eating Disorders, Body Image, and Healthy Weight Maintenance (3).
- HUN 5802.** Research Design and Methodology (2).
- HUN 5802L.** Research Design and Methodology Laboratory (3).
- HUN 5910r.** Supervised Research (1–3). (S/U grade only.)

- HUN 5930r. Food and Nutrition Seminar (1–4).
 HUN 5938r. Special Topics in Nutrition (3).
 HUN 6248r. Advances in Nutrition and Food Science (3–12).
 HUN 6906r. Directed Individual Study (1–6). (S/U grade only.)
 HUN 6911r. Supervised Research (3–5). (S/U grade only.)
 HUN 6930r. Food and Nutrition Seminar (1).
 HUN 6940r. Supervised Teaching (1–3). (S/U grade only.)
 HUN 6980r. Dissertation (2-12). (S/U grade only.)
 HUN 8945r. Supervised Field Experience (1–12). (S/U grade only.)
 PET 5052. Motor Memory (3).
 PET 5077. Physical Dimensions of Aging (4).
 PET 5355C. Advanced Exercise Physiology (3).
 PET 5367. Nutrition and Exercise Performance (3).
 PET 5389. Strength Program Development for Competitive Athletes and Sport (3).
 PET 5412. Professional Practices for the Sports Scientist (3).
 PET 5553. Cardiopulmonary and Anthropometric Evaluation and Development of Exercise Programs (3).
 PET 5653. Cardiovascular Program Development for Competitive Athletes and Sport (3).
 PET 5751. Sports Fitness Testing and Evaluation for Competitive Athletes and Sport (3).
 PET 5945r. Sports Sciences Practicum (3).
 PET 6317. Skeletal Muscle Structure and Function (4).
 PET 6365. Exercise and the Cardiorespiratory System (4).
 PET 6368. Metabolic Responses to Exercise (3).
 PET 6386. Environmental Aspects of Exercise (3).
 PET 6387. Endocrinology in Health and Exercise (3).
 PET 6388. Exercise and Disease (3).
 PET 6930r. Seminar in Movement Sciences (1).
 PET 8945r. Exercise Physiology Internship (1–9). (S/U grade only.)

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

ORGANISMAL BIOLOGY: see Biological Science

Department of PHILOSOPHY

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://philosophy.fsu.edu>

Chair: J. Piers Rawling; **Professors:** Bishop, Clarke, Fleming, McNaughton, Mele, Rawling, Ruse; **Associate Professors:** Morales, Roberts; **Assistant Professor:** Justus, Kearns, May, Stein

The undergraduate program in philosophy is designed to enable students to gain an understanding of the substantive issues philosophers have struggled with through the ages. Students majoring in philosophy can expect to develop their abilities to engage in critical examination and evaluation. Such skills have proven to be of great value in almost any type of human endeavor. The program serves as a basis for professional training in other fields, such as law, education, politics, journalism, or theology, or as foundation for future professional training in philosophy. The department offers degree programs at all levels, including an accelerated combined bachelor's/master's degree program.

The department participates in the honors program, as well as the undergraduate programs in the following departments or programs: women's studies, humanities, Latin American and Caribbean studies, political science, international affairs, and religion. In addition, it offers more than ten courses in the University's Liberal Studies Program (see listing under Liberal Studies Program, Area IV in the "Undergraduate Degree Requirements" chapter of this *General Bulletin*).

Students have considerable latitude to design the content of a major that meets their needs and interests. For example, a student might focus primarily on ethics; on social and political philosophy; on logic and philosophy of science; on the history of philosophy or some distinct period such as ancient, modern, or contemporary; on epistemology; or on cognitive studies. Many students will find it possible to combine a major in philosophy with a major in another discipline. The department welcomes such arrangements.

The department's distinguished faculty is actively engaged in teaching, research, writing, publishing, and editing. Students majoring in philosophy can be assured that not only will they receive an excellent education in the history of philosophy but they will also have the opportunity to acquaint themselves with the latest developments in the discipline. The journal *Social Theory and Practice* is edited and published by the department.

The department offers regular colloquia in which local faculty, graduate students, and guests from other universities present papers and lead discussions on philosophical topics. In addition, the department regularly sponsors conferences; topics have included biomedical ethics, moral education, philosophy of language, color, Wittgenstein, Plato, Aristotle, Kant, ethical theory, history and philosophy of science in science teaching, human rights, virtue and social diversity, Kantian themes in ethics, and philosophy of biology. Werkmeister conferences on a variety of topics are held annually.

In addition to more formal academic settings, the undergraduate philosophy club offers opportunities for majors and prospective majors to meet and discuss readings or movies of philosophical interest.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in philosophy satisfy this requirement by earning a grade of "C–" or higher in CGS 2060, CGS 2064, or CGS 2100.

State of Florida Common Program Prerequisites

No statewide common program prerequisites have been identified for this program; however, the faculty in this program recommends that students take several lower level courses with the PHH, PHI, PHM or PHP prefix.

Requirements for a Major in Philosophy

Please review all college-wide degree requirements summarized in the "College of Arts and Sciences" chapter of this *General Bulletin*.

Note: The required courses listed below may not be offered every semester. Students should check with the department at least two semesters before graduation to make sure they will have the opportunity to complete the requirements.

Thirty semester hours in philosophy are required for the major, including the following:

1. **Logic (3 semester hours). One of:**
 PHI 2100 Reasoning and Critical Thinking (3)

- PHI 3130 Introduction to Symbolic Logic (3)
2. **History of Philosophy (6 semester hours)**
Ancient Philosophy—one of:
PHH 3130 Plato and His Predecessors (3)
PHH 3140 Aristotle to Augustine (3)
AND
Modern Philosophy:
PHH 3400 Modern Philosophy (3)
3. **Ethics (3 semester hours)**
PHI 3670 Ethical Theory (3)
4. **Contemporary Metaphysics and Epistemology (3 semester hours) One of:**
PHI 3220 Introduction to Philosophy of Language (3)
PHI 3300 Knowledge and Belief (3)
PHI 3320 Philosophy of Mind (3)
PHI 4500 Metaphysics (3)
PHH 4600r Contemporary Philosophy (3)
5. **Seminar for Majors, to be taken in the senior year (3 semester hours)**
PHI 4938r Seminar for Majors (3)

Additional requirements: At least twenty-one semester hours in the major must be at the 3000 level or above; at least fifteen semester hours must be completed in the Philosophy Department at Florida State University; and completion of a minor.

Grades below “C–” will not be accepted for major or minor credit, nor will courses taken for “S/U” credit.

Requirements for a Minor in Philosophy

Twelve semester hours in philosophy are required for the minor, including:

1. **Logic (3 semester hours). One of:**
PHI 2100 Reasoning and Critical Thinking (3)
PHI 3130 Introduction to Symbolic Logic (3)
2. **History (3 semester hours). One of:**
PHH 3061 Medieval and Renaissance Philosophy (3)
PHH 3130 Plato and His Predecessors (3)
PHH 3140 Aristotle to Augustine (3)
PHH 3400 Modern Philosophy (3)
PHH 3500 Nineteenth-Century Philosophy (3)

At least six semester hours must be at the 3000 level or above. Students must receive a letter grade of “C–” or better in all courses that count toward the minor.

Minor in Political Philosophy

Twelve semester hours in philosophy are required for the minor, including:

1. **Logic (3 semester hours). One of:**
PHI 2100 Reasoning and Critical Thinking (3)
PHI 3130 Introduction to Symbolic Logic (3)
2. **Nine semester hours from:**
PHI 3162 Logic and the Law (3)
PHM 2121 Philosophy of Race, Class and Gender (3)
PHM 2300 Introduction to Political Philosophy (3)
PHM 3123 Philosophy of Feminism (3)
PHM 3331r Modern Political Thought (3)
PHP 3510 Introduction to Marxist Philosophy (3)
PHM 3400 Philosophy of Law (3)
PHM 4340r Contemporary Political Thought (3)

At least six semester hours must be at the 3000 level or above. Students must receive a letter grade of “C–” or better in all courses that count toward the minor.

Honors in the Major

Honors work in the major is offered to encourage talented juniors and seniors to undertake independent and original research. Successful completion of honors work results in honors credits and graduation with distinction. For requirements and other information, see the “University Honors Office and Honor Societies” chapter of this *General Bulletin*.

Definition of Prefixes

- PHH—Philosophy, History of
PHI—Philosophy
PHM—Philosophy of Man and Society

PHP—Philosophers and Schools

Undergraduate Courses

PHI 2010. Introduction to Philosophy (3). An introduction to some of the central problems in philosophy. Students will also learn how to construct and criticize arguments and develop their own philosophical positions.

PHI 2100. Reasoning and Critical Thinking (3). An introductory logic course intended to provide students with an understanding of and practice in using reasoning to support conclusions and decisions. The course emphasizes acquisition of the skills necessary to draft clear, persuasive arguments and is particularly useful for those planning further studies in fields such as law or business.

PHI 2620. Environmental Ethics (3). An examination of environmental issues past and present, and how they have made an impact upon contemporary society. Also analyzes the historical development of environmental perspectives and the ethical theories that have been generated by these approaches.

PHI 2630. Ethical Issues and Life Choices (3). A course that will draw on ethical theories to explore the major ethical issues that one faces as one makes decisions about the kinds of activities to engage in and the kind of life to lead. Issues such as those involving life and death (e.g., abortion, euthanasia, animal rights) and social justice (e.g., discrimination, responsibility to future generations) will be examined.

PHI 2635. Bioethics (3). A study of the controversial ethical issues that arise within the practice of medicine and within biomedical research. Case studies and thought experiments will be used to explore the moral and professional responsibilities of those working in the medical profession.

PHI 3130. Introduction to Symbolic Logic (3). An examination of the fundamentals of modern symbolic logic (propositional and predicate calculi), with special attention to the evaluation of symbolized arguments using the techniques of natural deduction. Topics include validity, soundness, proof, symbolization, truth-tables, truth-trees, and truth-functional and quantificational inference.

PHI 3220. Introduction to Philosophy of Language (3). An exploration of major philosophical contributions to the understanding of language and its functions in communication. Discussion of the concepts of meaning, truth, reference, understanding, and interpretation. Readings include classics of 20th century philosophy.

PHI 3300. Knowledge and Belief (3). A critical analysis of contemporary theories about the fundamentals of human knowledge: what ought to count as knowledge; how we get it; the roles of certainty, doubt, and skepticism; and the means by which we might maximize it.

PHI 3320. Philosophy of Mind (3). Analysis of central issues in the philosophy of mind. Topics may include: the mind-body problem, the unity of the mind, the nature of consciousness, artificial intelligence, and free will.

PHI 3400. History and Philosophy of Science (3). A close look at some of the crucial philosophical problems of the sciences as they have developed throughout history, from Aristotle through Galileo, Pasteur, and Einstein, including what methods count as scientific, along with a consideration of how science has changed the world and the role of values.

PHI 3641. Business Ethics (3). An identification and a discussion of defensible solutions for moral and ethical problems as they arise in the conduct of business and economic transactions. International business settings and the ethical problems arising from the need to design products and services that appeal to diverse national and world populations are considered.

PHI 3670. Ethical Theory (3). A study of the nature of morality and moral reasoning through critical analyses of the writings of classical and contemporary ethical theorists directed to answering the questions, “What is good?” and “What ought I to do?”

PHI 3700. Philosophy of Religion (3). Analysis of major issues in philosophy of religion. Topics may include the rationality of religious belief, faith, religious experience, religious language, evil, and the relation between religion and morality. Also offered by the Department of Religion.

PHI 3800. Philosophy of the Arts (3). An introduction to central issues in philosophy of the arts and aesthetics. Topics may include the nature of beauty, the nature of art, realism in painting, interpretation in literature, the nature of dance, and expressiveness in music. Readings include both historical and contemporary sources.

PHI 3881. Philosophy of Music (3). An introduction to the contemporary literature regarding the philosophy of music. Questions posed include: What is music? Does music express emotions? How is music to be evaluated? How does one “understand” music? Why can cross-cultural understanding of music be difficult? What constitutes an authentic performance?

PHI 3882. Philosophy in Literature (3). An exploration of how metaphysical and moral ideas function within the structure of selected novels and plays.

PHI 3930r. Selected Topics (1–3). May be repeated to a maximum of three semester hours.

PHI 4134. Modern Logic I (3). Prerequisite: PHI 3130 or equivalent or instructor permission. An intermediate course in modern symbolic logic, with special attention to the semantic evaluation of symbolized arguments. Topics include schemata and interpretation, models, satisfiability, normal forms, expressive completeness, proof procedures, metalogical laws, and soundness and completeness theorems.

PHI 4137. Modern Logic II (3). Prerequisite: PHI 4134. An advanced course in modern symbolic logic. Topics discussed include the compactness theorem, the logic of identity, names and descriptions, second-order logic, type theory, the ancestral, the Frege-Russell definition of natural number, and Gödel’s incompleteness results.

PHI 4500. Metaphysics (3). Critical consideration of recent philosophical work from a variety of points of view on the question of what exists; for example: matter, mind, time, space, universal properties, causes, and essences.

PHI 4905r. Directed Individual Study (1–3). May be repeated to a maximum of six semester hours.

PHI 4912r. Honors Work (3). May be repeated to a maximum of twelve semester hours.

PHI 4930r. Philosophical Problems (3). An examination of selected philosophical problems from an advanced point of view. May be repeated to a maximum of nine semester hours.

PHI 4938r. Seminar for Majors (3). Variable-content seminar for majors to do in-depth work in selected philosophical topics/areas and to practice writing a substantive philosophical paper. May be repeated once with instructor permission to a maximum of six semester hours.

PHI 4999r. Tutorial in Philosophy (1–3). Critical readings and discussions of important classical and contemporary philosophical texts. Variable content. Variable credit: one to two semester hours for a reading course; two to three semester hours for a reading course with substantial writing. Repeatable with instructor permission to a maximum of twelve semester hours.

History of Philosophy

PHH 3061. Medieval and Renaissance Philosophy (3). A survey of Western philosophy from the third to the 16th century, beginning with the work of Christian, Jewish, and Arabic philosophers, and then turning to the rise of humanism, individualism, and science.

PHH 3130. Plato and His Predecessors (3). Ancient Greek philosophy from its beginnings to the work of one of its greatest practitioners. Questions posed include: What is there? What can I know about it? What should I do?

PHH 3140. Aristotle to Augustine (3). Philosophy from the “Master of Those Who Knew” (Aristotle) through to the end of the ancient world and the dominance of Christianity. Topics include: the structure of the world order, God, man’s place.

PHH 3400. Modern Philosophy (3). A critical study of the theories of 17th- and 18th-century Western philosophers through a careful examination of representative texts from both the empiricist and rationalist traditions.

PHH 3500. 19th-Century Philosophy (3). An exploration of the diverse styles, ideas, and systems of such philosophers as Hegel, Kierkegaard, Schopenhauer, Marx, Mill, Bradley, and Nietzsche.

PHH 3700r. American Philosophy (3). An examination of major trends in American philosophy from Jonathan Edwards through 19th- and 20th-century American idealism and the pragmatic movement with emphasis on Peirce, James, and Dewey. May be repeated once with the permission of the instructor to a maximum of six semester hours.

PHH 4600r. Contemporary Philosophy (3). The main recent philosophical movements are surveyed through selected central representatives. Those considered may include Frege and his background, Russell and Moore, early Wittgenstein, logical positivists and their successors, Husserl and his phenomenology, Heidegger, Sartre, later Wittgenstein and his successors. May be repeated with instructor permission to a maximum of nine semester hours.

Social and Political Philosophy

PHI 3162. Logic and the Law (3). This course is an in-depth examination of the application of logic in a legal context with special emphasis on methods of inductive reasoning, such as analogical and casual reasoning. The course focuses on the construction and presentation of written arguments, and the evaluation of arguments from both historical and contemporary legal decision.

PHM 2121. Philosophy of Race, Class and Gender (3). Concentration on contemporary philosophical discussions of race, class, and gender. Topics include the analysis of key institutions (e.g., work, the economy, family, education) and social issues (e.g., identity, sexuality, violence, social change).

PHM 2300. Introduction to Political Philosophy (3). An introduction to the main issues in political philosophy: the justification of political authority, role of law, political obligation, neocolonialism, disobedience, revolution, rights, the appropriate ends of government, patterns of distribution and justice.

PHM 3020. Philosophy of Sex (3). This course is an examination of the contemporary philosophical debates about sex and sexual relationships. Topics include, but are not limited to how to define sex, the distinction between ‘normal’ and ‘abnormal’ sex, sexual exploitation and objectification, sexual consent, the relationship between sex and the meaning of life, and the nature of romantic love.

PHM 3123. Philosophy of Feminism (3). A comprehensive survey of the most important schools of thought and issues in feminist philosophy, with emphasis on feminist politics and ethics. Liberal, socialist, Marxist, and radical feminism and their differing views about equality and subjection are discussed. Criticisms of now traditional theories from women of color and of “difference” theorists are analyzed. Also considered are problems of particular concern to feminists: the family, sexuality, occupational freedom, harassment, rape, pornography, and domestic violence.

PHM 3331r. Modern Political Thought (3). Major political ideas of the modern world emphasized through a study of selected political theorists such as Machiavelli, Hobbes, Locke, Rousseau, Hume, Burke, Hegel, Marx, Engels, Bentham, Mill, Jefferson, Madison, Lenin, and Mussolini. May be repeated to a maximum of nine semester hours. Also offered by the Department of Political Science.

PHM 3351. Philosophy of Human Rights (3). This course is a survey of philosophical discussion of human rights and the moral and political questions arising from their violations. We examine the philosophical foundations for human rights claims, as well as women’s human rights, political evil and mass atrocities. We analyze questions of justice and forgiveness in the context of social healing and democratization.

PHM 3400. Philosophy of Law (3). A comprehensive survey of the most important schools of thought, traditional problems, and current issues in Anglo-American philosophy of law. Chief theories discussed are natural law, positivism, realism (including the law and economics movement), and critical legal studies (including race and gender theory). Also explored are different views about the interpretation of law and the role of the judiciary in American politics. Includes analysis of legal cases and consideration of issues such as justice, equality, liberty, privacy, and punishment.

PHM 4340r. Contemporary Political Thought (3). An exploration of a set of issues, a trend, or a school of thought in contemporary political philosophy. May be repeated to a maximum of nine semester hours. Also offered by the Department of Political Science.

Philosophers and Schools

PHP 3510. Introduction to Marxist Philosophy (3). A critical overview of the premises and theses of Marxism concerning the understanding of history, economic realities, political struggles, and ideologies as found in the principle works of its founders.

PHP 3786r. Existentialism (3). An introduction to existential philosophy through detailed and critical analysis of selected major works in the field with special attention to Heidegger and/or Sartre. May be repeated to a maximum of nine semester hours.

PHP 4930r. Studies in Major Philosophers (3). A detailed study of a major philosopher (e.g., Plato, Aristotle, Kant, etc.) or school of philosophy (e.g., the Stoics, the Marxists). May be repeated to a maximum of nine semester hours.

Graduate Courses

- PHH 5105r.** Greek Philosophy (3).
- PHH 5405r.** Modern Philosophy (3).
- PHH 5505r.** 19th-Century Philosophy (3).
- PHH 5609r.** Contemporary Philosophy (3).
- PHH 6009r.** Studies in the History of Philosophy (3).
- PHI 5135.** Modern Logic I (3).
- PHI 5136r.** Modern Logic II (3).
- PHI 5555.** Core Course in Metaphysics and Epistemology (3).
- PHI 5665.** Core Course in Ethics (3).
- PHI 5908r.** Directed Individual Study (1–3). (S/U grade only.)
- PHI 5913r.** Supervised Research (1–5). (S/U grade only.)
- PHI 5934r.** Topics in Philosophy (3).
- PHI 5945r.** Supervised Teaching (1–5). (S/U grade only.)
- PHI 5956.** Introduction to Philosophical Methods (3).
- PHI 5971r.** Thesis (1–6). (S/U grade only.)
- PHI 5998r.** Tutorial in Philosophy (1–3).
- PHI 6205r.** Philosophical Logic (3).
- PHI 6225r.** Philosophy of Language (3).
- PHI 6306r.** Epistemology (3).
- PHI 6325r.** Philosophy of Mind (3).
- PHI 6406r.** Philosophy of Science (3).
- PHI 6425r.** Philosophy of Social Sciences (3).
- PHI 6455.** Philosophy of Biology: Basic Topics (3).
- PHI 6457.** Philosophy of Biology: Selected Topics (3).
- PHI 6506r.** Metaphysics (3).
- PHI 6607r.** Ethics (3).
- PHI 6935r.** Seminar in Philosophical Topics (3).
- PHM 6205r.** Social and Political Philosophy (3).

For listings relating to graduate coursework for thesis, dissertation, and master’s and doctoral examinations and defense, consult the *Graduate Bulletin*.

PHILOSOPHY:
see also Religion

PHOTOGRAPHY:
see Art

Department of PHYSICS

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://www.physics.fsu.edu/>

Chair: Mark Riley; **Associate Chair:** Horst Wahl; **Professors:** Berg, Blessing, Boebinger, Bonesteel, Brooks, Cao, Capstick, Cottle, Dobrosavljevic, Duke, Eugenio, Hill, Hoeflich, Kemper, Manousakis, Owens, Piekarewicz, Prosper, Reina, Rikvold, Riley, Roberts, Schlottman, Tabor, Van Winkle, van Molnar, Wahl, Wiedenhoefer, Xiong, Yang, Zhou; **Associate Professors:** Adams, Chiorescu, Crede, Lind, Ng, Rogachev, Shaheen, Vafek, Volya; **Assistant Professors:** Askew, Gerardy, Okui, Warusawithana; **Professors Emeriti:** Albright, Desloge, Edwards, Fletcher, Hagopian, Kimel, Kromhout, G. Moulton, W. Moulton, Philpott, Plendl, Robson, Schrieffer, Sheline, Skofronick, Testardi

Florida State University's Department of Physics offers exciting programs and opportunities for students interested in learning physics. Our physics curriculum provides a solid foundation for future graduate work or immediate employment opportunities. There are many reasons students seek the challenges and rigors that come from making physics a part of their undergraduate studies. Those who choose physics find themselves in a field that both expands their abilities and provides them with an immense feeling of accomplishment. Perhaps the most important benefits gained from physics training are the confidence and the ability to tackle complex technical problems. As a result of this training, physicists are able to contribute in many professions.

Physics is the foundation of all sciences and has been the pursuit of some of the greatest minds in history, including Aristotle, Galileo, Newton, Maxwell, Einstein, and Dirac. Their discoveries and quest for knowledge form the foundation of our physics program. This proud tradition and passion for inquiry has produced a modern professional community of physicists whose contributions are continually expanding and changing our society. Whether it is on the end of a spaceboom fixing the Hubble space telescope, creating and developing the World Wide Web, searching for the fundamental fabric of our universe, exploring safer and more reliable ways to diagnose and treat illnesses, or finding new and better ways to live, you will always find physicists on the frontier. So if you enjoy mathematics and science and are ready for a challenge, you should make physics a part of your education.

The internationally recognized faculty includes many who have earned prestigious awards for their research and teaching. The faculty believe that the quality of teaching, at all levels, is enhanced by a strong research program. Undergraduates, graduate students, and post-doctoral fellows participate in all aspects of research in physics at the Florida State University. In fact, most undergraduate physics majors participate in research projects, and many are co-authors on publications. This research includes strong programs in computational physics and both experimental and theoretical studies in astrophysics, biophysics, and high energy, nuclear, condensed matter, and atomic and molecular physics. There are also many opportunities for interdisciplinary research, particularly at the National High Magnetic Field Laboratory (NHMFL) and the Institute of Molecular Biophysics (IMB), and as a separate degree program in chemical physics.

Experimental facilities include the following: a 9.5 MV Super FN Tandem Van de Graaff accelerator with superconducting post accelerator; the RESOLUT radioactive beam facility; a state-of-the-art gamma spectrometer array; electron spin resonance and electron double nuclear resonance spectrometers; liquid helium refrigerators; thin film preparation facilities including sputtering and laser ablation; ultrahigh vacuum instrumentation including surface analysis (LEED, Auger, optical) and molecular beam epitaxy; synthesis and characterization facilities for novel materials; three X-ray diffractometers with various sample stages for high and low temperature studies, multi-sample analysis and small angle studies; scanning electron, tunneling, and optical microscopes with image analysis; SQUID and vibrating sample magnetometers; and a helium atom surface scattering facility. The NHMFL provides a modern infrastructure enabling research in magnetic fields, including the highest-powered DC fields in the world, mainly used for materials science research, and facilities providing the highest fields in the world for nuclear, ion cyclotron, and electron magnetic resonance spectrometers as well as magnetic resonance imaging. Experimental work in high energy physics is done at the Fermi National Accelerator Laboratory in Illinois and at the CERN laboratory in Geneva, Switzerland.

Computers are an integral part of all research programs in the department. The computational infrastructure is upgraded continuously to keep pace with advances in technology. In addition to using computers in research, students are expected to utilize numerical methods for problem solving in their course work.

Programs Offered

The Department of Physics offers programs leading to the following degrees: Bachelor of Science (BS), Bachelor of Arts (BA), Master of Science (MS), and Doctor of Philosophy (PhD). The department offers the following majors: Physics, Physics and Astrophysics, Physical Science, and Physical Science with FSU-Teach. The departmental course offerings include courses for non-science majors, for non-physical-science majors, for K-12 educators, and for physical science majors. Honors work is available. Details may be obtained from the chair of the department.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in Physics as well as Physics and Astrophysics satisfy this requirement by earning a grade of "C-" or higher in PHZ 4151C. Undergraduate majors in Physical Science and Physical Science/FSU-Teach satisfy this requirement by earning a grade of "C-" or higher in COP 3014, ISC 3313, or PHZ 4151C.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.fvvc.org/fvvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

Physics, Physics and Astrophysics

1. CHM X045C, or CHM X040 and CHM X041, or CHM X045/X045L
2. CHM X046C or CHM X046/X046L
3. MAC X311 or MAC X281
4. MAC X312 or MAC X282
5. MAC X313 or MAC X283
6. PHY X048/X048L and PHY X049/X049L, or PHY X048C and PHY X049C

Physical Science

1. CHM X045/X045L, or CHM X040 and CHM X041, or CHM X045C
2. CHM X046/X046L or CHM X046C
3. MAC X311 or MAC X281
4. MAC X312 or MAC X282
5. MAC X313 or MAC X283
6. PHY X048C and PHY X049C, or PHY X048/X048L and PHY X049/X049L
7. MAC X312

Note: MAC X312 is a prerequisite for PHY X049C

Physical Science/FSU-Teach

1. CHM X045/X045L, or CHM X040 and CHM X041, or CHM X045C
2. CHM X046/X046L or CHM X046C
3. MAC X311 or MAC X281
4. MAC X312 or MAC X282
5. MAC X313 or MAC X283
6. PHY X048C and PHY X049C, or PHY X048/X048L and PHY X049/X049L
7. MAC X312

Note: MAC X312 is a prerequisite for PHY X049C

8. SMT X043
9. SMT X053

Note: Transfer students will be able to take SMT X043 and SMT X053 when admitted to upper division.

Requirements

Please review all college-wide degree requirements summarized in the "College of Arts and Sciences" chapter of this *General Bulletin*.

Degree requirements and outlines of undergraduate programs that will meet all departmental and University requirements are available at <http://www.academic-guide.fsu.edu>.

The University oral competency communication requirement is satisfied for Physics, Physics and Astrophysics, and Physical Science/FSU-Teach majors by taking PHY 3091, Communication in Physics. Physical Science majors may take any university course satisfying the university communication requirement. The University computer competency requirement is satisfied for Physics and Physics and Astrophysics majors by taking PHZ 4151C; it is satisfied by Physical Science and Physical Science/FSU-Teach majors by taking COP 3014, ISC 3313, or PHZ 4151C.

Physics Major

A Physics major is required to take:

1. The following core courses: Discovering Physics (PHY 1090), General Physics A (PHY 2048C), General Physics B (PHY 2049C), Communication in Physics (PHY 3091), Intermediate Modern Physics (PHY 3101), Physics Problem Solving (PHY 3045), Mathematical Physics (PHZ 3113), Mechanics I (PHY 3221), Intermediate Laboratory (PHY 3802L), Electricity and Magnetism I (PHY 4323), Thermal and Statistical Physics (PHY 4513), Quantum Theory of Matter A (PHY 4604), and Advanced Laboratory (PHY 4822Lr).
2. At least four of the following courses: Introduction to Astrophysics (AST 4211), Optics (PHY 3424), Mechanics II (PHY 4222), Electricity and Magnetism II (PHY 4324), Quantum Theory of Matter B (PHY 4605), Phenomena in Condensed Matter Physics (PHZ 3400), Particle and Nuclear Physics (PHZ 4390), and Special and General Relativity (PHZ 4601).
3. The following computational course: Computational Physics Lab (PHZ 4151C).
4. One of the following sets of chemistry courses: General Chemistry I/Laboratory (CHM 1045/1045L) or Honors General Chemistry I/Laboratory (CHM 1050/1050L).
5. The following mathematics classes: Calculus with Analytic Geometry I (MAC 2311), Calculus with Analytic Geometry II (MAC 2312), Calculus with Analytic Geometry III (MAC 2313), and Ordinary Differential Equations (MAP 2302) or Engineering Mathematics I (MAP 3305).

Students who are planning to conduct graduate work in physics are strongly advised to include Quantum Theory of Matter B (PHY 4605), Mechanics II (PHY 4222), and Electricity and Magnetism II (PHY 4324) in their programs.

An Honors Thesis or Senior Thesis (minimum of 6 credit hours) may be substituted for the Advanced Lab (PHY 4822Lr).

AA transfer students are not required to take PHY 1090.

No physics, chemistry, or math course with a grade below "C-" may be used to satisfy the above requirements. A student who has received three or more unsatisfactory grades (U, F, D-, D, D+) in courses required for the Physics major, whether offered by the Department of Physics at Florida State University or elsewhere, whether repeated or not, will not be permitted to graduate with a degree in this major.

In addition to satisfying the above requirements, students must satisfy the general requirements of both the College of Arts and Sciences and the University.

Physics and Astrophysics Major

A Physics and Astrophysics major is required to take:

1. The following core courses: Discovering Physics (PHY 1090), General Physics A (PHY 2048C), General Physics B (PHY 2049C), Communication in Physics (PHY 3091), Intermediate Modern Physics (PHY 3101), Physics Problem Solving (PHY 3045), Mechanics I (PHY 3221), Electricity and Magnetism I (PHY 4323), Thermal and Statistical Physics (PHY 4513), Quantum Theory of Matter A (PHY 4604), Mathematical Physics (PHZ 3113), Astronomy Laboratory (AST 3022L) or Intermediate Laboratory (PHY 3802L), Introduction to Astrophysics (AST 4211), and Extragalactic Astronomy (AST 4419) or Observational Techniques in Astrophysics (AST 4722).
2. At least three of the following courses: Physics of Stars (AST 4217), Cosmology and Structure Formation (AST 4414), Particle and Nuclear Physics (PHZ 4390), Special and General Relativity (PHZ 4601), and Nuclear Astrophysics (PHZ 4316).

3. The following computational course: Computational Physics Laboratory (PHZ 4151C).
4. One of the following sets of chemistry courses: General Chemistry I/Laboratory (CHM 1045/1045L) or Honors General Chemistry I/Laboratory (CHM 1050/1050L).
5. The following mathematics classes: Calculus with Analytic Geometry I (MAC 2311), Calculus with Analytic Geometry II (MAC 2312), Calculus with Analytic Geometry III (MAC 2313), and Ordinary Differential Equations (MAP 2302) or Engineering Mathematics I (MAP 3305).

Students who are planning to conduct graduate work in astrophysics are strongly advised to include Planetary Geology (GLY 1042), Mechanics II (PHY 4222), and Quantum Theory of Matter B (PHY 4605) in their programs.

AA transfer students are not required to take PHY 1090.

No physics, chemistry, or math course with a grade below "C-" may be used to satisfy the above requirements. A student who has received three or more unsatisfactory grades (U, F, D-, D, D+) in courses required for the Physics and Astrophysics major, whether offered by the Department of Physics at Florida State University or elsewhere, whether repeated or not, will not be permitted to graduate with this degree.

In addition to satisfying the above requirements, students must satisfy the general requirements of both the College of Arts and Sciences and the University.

Physical Science Major

The Physical Science program is designed to provide students with opportunities to explore the natural and technological worlds broadly, from the Earth and space sciences to modern physics to computer science and mathematics. A Physical Science major is required to take:

1. The following core courses: General Physics A (PHY 2048C), General Physics B (PHY 2049C), and Intermediate Modern Physics (PHY 3101).
2. One of the following sets of chemistry courses: General Chemistry I/Laboratory (CHM 1045/1045L) and General Chemistry II/Laboratory (CHM 1046/1046L) or Honors General Chemistry I/Laboratory (CHM 1050/1050L) and Honors General Chemistry II/Laboratory (CHM 1051/1051L).
3. One of the following computational courses: Programming I (COP 3014), Computational Physics Lab (PHZ 4151C), or Introduction to Scientific Programming (ISC 3313).
4. The following mathematics courses: Calculus with Analytic Geometry I (MAC 2311) and Calculus with Analytic Geometry II (MAC 2312).
5. At least nine courses from the following list (at least twenty-seven credit hours): Calculus with Analytic Geometry III (MAC 2313), Ordinary Differential Equations (MAP 2302) or Engineering Math I (MAP 3305), Applied Linear Algebra I (MAS 3105), Introduction to Astrophysics (AST 4211), Physics Problem Solving (PHY 3045), Mechanics I (PHY 3221), Optics (PHY 3424), Intermediate Laboratory (PHY 3802L), Mathematical Physics (PHZ 3113), Condensed Matter Physics (PHZ 3400), Particle and Nuclear Physics (PHZ 4390), Survey of Organic Chemistry and Lab (CHM 2200 and 2200L) or Organic Chemistry I (CHM 2210), Introduction to Analytical Chemistry and Lab (CHM 3120 and 3120L), General Physical Chemistry (CHM 3400), Programming I (COP 3014, unless used to satisfy the computer skills requirement), Object Oriented Programming (COP 3330), Introduction to Unix (COP 3353), Physical Geology (GLY 2010C), Historical Geology and Lab (GLY 2100 and 2100L), Mineralogy and Crystallography (GLY 3200C), Physical Climatology (MET 2101), General Meteorology (MET 2700), Introduction to Atmospheric Dynamics (MET 3300). Other courses may be accepted. Those earning the Physical Science major in addition to another major are not allowed to count required courses for this separate major on this list for the purposes of the Physical Science program.

No physics, chemistry, computer science, geology, meteorology, or math course with a grade below "C-" may be used to satisfy the above requirements. A student who has received more than five unsatisfactory grades (U, F, D-, D, D+) in courses required for the Physical Science major, whether offered by the Department of Physics at Florida State University or elsewhere, whether repeated or not, will not be permitted to graduate with this degree.

In addition to satisfying the above requirements, students must satisfy the general requirements of both the College of Arts and Sciences and the University.

Physical Science/FSU-Teach Major

Physical Science/FSU-Teach majors are required to declare a second major in Science Teaching and to take:

1. The following core courses: General Physics A (PHY 2048C), General Physics B (PHY 2049C), Intermediate Modern Physics (PHY 3101), Intermediate Laboratory (PHY 3802L), and Communication in Physics (PHY 3091).
2. One of the following sets of chemistry courses: General Chemistry I/Laboratory (CHM 1045/1045L) and General Chemistry II/Laboratory (CHM 1046/1046L) or Honors General Chemistry I/Laboratory (CHM 1050/1050L) and Honors General Chemistry II/Laboratory (CHM 1051/1051L).
3. One of the following computational courses: Programming I (COP 3014), Computational Physics Lab (PHZ 4151C), or Introduction to Scientific Programming (ISC 3313).
4. The following mathematics courses: Calculus with Analytic Geometry I (MAC 2311) and Calculus with Analytic Geometry II (MAC 2312).
5. One Physics Learning Assistantship course (PHY 3012).
6. Research Methods (ISC 3523C).
7. Four of the following five physics courses: Physics Problem Solving (PHY 3045), Optics (PHY 3424), Phenomena in Condensed Matter Physics (PHZ 3400), Particle and Nuclear Physics (PHZ 4390), and Introduction to Astrophysics (AST 4211).

No physics, chemistry, computer science, or math course or ISC 3523C with a grade below “C-” may be used to satisfy the above requirements. A student who has received more than five unsatisfactory grades (U, F, D-, D, D+) in courses required for the Physical Science/FSU-Teach major, whether offered by the Department of Physics at Florida State University or elsewhere, whether repeated or not, will not be permitted to graduate with this major. In addition to the above requirements, students must satisfy the general requirements of both the College of Arts and Sciences and the University and the requirements for the Science Teaching major.

Minor

The required mathematics for the Physics and Physics and Astrophysics programs is sufficient to constitute an acceptable minor in mathematics, but a student who so desires may take an additional approved minor. For the Physical Science and Physical Science/FSU-Teach programs, the required collateral courses may constitute a minor if not also used to meet Liberal Studies or other requirements. However, a student may select another minor.

Minor in Physics

To obtain a minor in physics, a student is required to take General Physics A (PHY 2048C), General Physics B (PHY 2049C), and Intermediate Modern Physics (PHY 3101). Grades below “C-” will not be accepted for a minor.

Minor in Biomedical Physics

The Physics Department offers a minor in Biomedical Physics designed for students preparing for graduate studies in the biological sciences, for medical school, or for medical professions such as physical therapy. Students are required to take either General Physics A and B (PHY 2048C and PHY 2049C) or College Physics A and B (PHY 2053C and PHY 2054C), and Biomedical Physics I and II (PHZ 4702 and PHZ 4703). Grades below “C-” will not be accepted for a minor.

Honors in the Major

The Department of Physics offers a program in Honors in the Major to encourage talented juniors and seniors to undertake independent research as part of the undergraduate experience. For requirements and other information, see the “University Honors Office and Honor Societies” chapter of this *General Bulletin*.

FSU-Teach Program in Teaching Physics

For those interested in teaching physics, FSU-Teach is an innovative approach to teacher education that involves a collaboration between scientists, mathematicians, and education faculty at The Florida State University. In FSU-Teach, students will develop deep science or mathematics knowledge and the knowledge, skill, and experience needed to be an effective science or math teacher. The program will pay for tuition for the first two courses, and work-study positions with scientists, mathematicians, and local schools are available. For more information, see the Web site: <http://FSU-Teach.fsu.edu>.

Definition of Prefixes

AST—Astronomy

PHY—Physics

PHZ—Physics: Continued

PSC—Physical Sciences

Undergraduate Courses

Courses for Non-Science Majors

AST 1002. Planets, Stars, and Galaxies (3). Introductory astronomy. Basic astronomical concepts; gravitation and other cosmic forces; planets, moons, and other components of the solar system; nature and evolution of the sun and of other stars; structure of galaxies and of the universe as a whole. (Astronomy for liberal studies.)

AST 1002L. Introductory Astronomy Laboratory (1). Corequisite: AST 1002. Elective laboratory to accompany AST 1002. One period per week for two hours. Experiments, measurements, and observations of planetary, stellar, galactic, and extragalactic astronomy. (Astronomy laboratory for liberal studies.)

AST 3033. Recent Advances in Astronomy and Cosmology (3). Prerequisites: AST 1002 and basic math requirements or instructor permission. Modern concepts and recent discoveries such as black holes, quasars, and the Big Bang.

PHY 1020. Fundamentals of Physics (3). A liberal studies course for non-science majors with a minimum of mathematics. Survey of light, mechanics, electricity and magnetism, and an introduction to atomic, nuclear, and subnuclear physics with emphasis on how a physicist approaches the problem of describing nature. A qualitative, descriptive approach is used. Cannot be taken for credit by students who already have credit in PHY 2048C, PHY 2053C, or equivalent.

PHY 1020L. Fundamentals of Physics Laboratory (1). Corequisite: PHY 1020. Elective laboratory to accompany PHY 1020. One period per week for two hours. Experiments in mechanics, optics, electricity, and magnetism. (Liberal studies laboratory.)

PHY 1075C. Physics of Light and Sound (4). A liberal studies course for non-science majors emphasizing learning the aspects of light and sound needed in recording images and sound. It includes analysis of color, waves, reflection, refraction, imaging, diffraction, spectra, sound levels and perception, and signal processing.

Courses for Non-Physical-Science Majors

PHY 2053C. College Physics A (4). Prerequisites: MAC 1114 and MAC 1140 with grades of “C-” or better or suitable mathematics examination placement score. Corequisite: PHY 2053L. An introduction to mechanics, heat, and waves for non-physical-science majors. Examples from biology, geology, and medicine are incorporated. First course in a two-semester sequence. Calculus not required. Two lectures, one recitation, and one laboratory each week. Students who have previously received credit for PHY 2048C may not register for PHY 2053C.

PHY 2053L. College Physics A Laboratory (0).

PHY 2054C. College Physics B (4). Prerequisite: PHY 2053C or PHY 2048C. Corequisite: PHY 2054L. An introduction to electromagnetism, light, and modern physics for non-physical-science majors. Two lectures, one recitation, and one laboratory each week. Students who have previously received credit for PHY 2049C may not register for PHY 2054C.

PHY 2054L. College Physics B Laboratory (0).

PHZ 4702. Biomedical Physics I (3). Prerequisites: PHY 2053C and PHY 2054C or PHY 2048C and PHY 2049C. This is the first in a series of two introductory courses on the applications of physics in biology and medicine. The course discusses applications of classical mechanics, hydrodynamics, and thermodynamics to motion, to the structure of the musculoskeletal, respiratory, and circulatory systems, as well as to the biology of the cell. The course is intended for students preparing for graduate studies in the biological sciences, for medical school, or for medical professions such as physical therapy and nursing.

PHZ 4703. Biomedical Physics II (3). Prerequisites: PHY 2053C and PHY 2054C or PHY 2048C and PHY 2049C. This is the second in a series of two introductory courses on the applications of electricity, magnetism, optics, and modern physics to the nervous system, to vision, to modern topics in biomolecular research, as well as to microscopy and to modern biomedical imaging techniques. The course is intended for students preparing for graduate studies in the biological sciences, for medical school, or for medical professions such as physical therapy and nursing.

Physics for K-12 Educators

PSC 2801C. Physical Science for EC/EE Teachers (4). This course is designed for prospective elementary and early childhood education majors. The course combines physics and chemistry and the laboratory is integral to the course. Students will work in groups in a hands-on, minds-on approach to learning physical science.

PHY 3012. Learning Assistantship in Physics (2). Prerequisites: PHY 2048C and PHY 2049C. Corequisite: PHY 3101. This course focuses on apprentice teaching in an inquiry-based physics learning environment under the direction of a faculty member. In addition, the course provides an examination of theoretical issues such as conceptual development, conceptual change, collaborative learning, technology in education, and students' conceptions of various topics in physics, as well as practical issues encountered in facilitating learning, managing the classroom, formative and summative assessment, and differentiating instruction in a collaborative environment.

General Physics for Physical Science Majors

PHY 2048C. General Physics A (5). Prerequisite: MAC 2311. This course is an introduction to mechanics, waves, and thermodynamics for physical science majors, designed to be taken as a sequence with PHY 2049C. Calculus is used. Course consists of lectures, recitations, and laboratory.

PHY 2048L. General Physics A Laboratory (0).

PHY 2049C. General Physics B (5). Prerequisites: PHY 2048C and MAC 2312. This course is an introduction to electricity, magnetism, and optics for physical science majors. Calculus is used. Course consists of lectures, recitations, and laboratory.

PHY 2049L. General Physics B Laboratory (0).

Courses for Majors

AST 3721L. Astrophysics Laboratory (1). Prerequisite: PHY 3101. This course offers an introduction to experimental methodology, data analysis and interpretation, calibration techniques, scientific model validation, as well as data presentation and communication of results. The laboratory experiments have astrophysical relevance and include magnetic fields, optical interference and diffraction, wave polarization, line spectroscopy, photoelectric effect, and radioactive decay.

AST 4211. Introduction to Astrophysics (3). Prerequisites: MAC 2312 and PHY 2049C; science majors only. This introductory course covers key aspects and concepts of modern astronomy and astrophysics, including coordinate systems, instrumentation, our sun and planets, stars and stellar evolution, binary systems and variable stars, stellar explosions, as well as galaxies and the evolution of the universe.

AST 4217. Physics of Stars (3). Prerequisites: PHY 3101 and PHY 3221. This course serves as an introduction to star formation, evolution, and death through simple theoretical modeling and through a strong emphasis on the underlying physics concepts.

AST 4414. Cosmology and Structure Formation (3). Prerequisites: AST 4211 and PHY 3101. This course covers the evolution of the universe from the "Hot Big Bang" to the current epoch. Topics include cosmological expansion, the Hubble constant and other cosmological parameters, the microwave background radiation, early universe nucleosynthesis, the growth of large-scale structure, the "dark ages" and the re-ionization of the universe, the horizon and other fine-tuning problems, distance determinations, redshift surveys, inflation, cosmological acceleration, as well as dark matter and dark energy.

AST 4419. Extragalactic Astronomy (3). Prerequisite: AST 4211. This course offers a survey of the physics and phenomenology of galaxies and galaxy structures. Topics include stellar populations, classifications systems, interstellar and intergalactic material, chemical abundances and evolution, galaxy formation, structure, dynamics and evolution, extragalactic distance determination, interacting systems, as well as active galactic nuclei.

AST 4722. Observational Techniques in Astrophysics (3). Prerequisite: AST 4211. This course covers principles and techniques used in obtaining modern astronomical data. Includes an overview of current and next-generation astronomical instrumentation, discussion of calibration schemes and observing strategies, and an introduction to analysis techniques.

PHY 1090r. Discovering Physics (1). (S/U grade only.) This course serves as an introduction to the exciting work currently being done by physicists. Topics include the physics and the day-to-day work done to answer questions in astrophysics, elementary particle physics, nuclear physics, and condensed matter physics. May be repeated to a maximum of two semester hours.

PHY 3045. Physics Problem Solving (3). Prerequisites: PHY 2048C and PHY 2049C. Corequisites: PHY 3101 and MAP 2302, or instructor permission. This course includes instruction and practice in solving advanced, calculus-based, multi-step problems in classical mechanics and E&M.

PHY 3091. Communication in Physics (2). Prerequisite: PHY 2048C. Corequisite: PHY 2049C. Instruction and practice in oral communications for physicists. Students will choose physics topics in consultation with instructor and present them to the class.

PHY 3101. Intermediate Modern Physics (3). Prerequisite: PHY 2049C. Special relativity, quantum properties of light and matter, origins of the universe.

PHY 3221. Mechanics I (3). Prerequisite: PHY 3101 and MAP 2302. Corequisite: MAC 2313. This course focuses on Newtonian mechanics of a single particle, oscillations, nonlinear oscillations and chaos, gravitation, central force motion, systems of particles, and motion in noninertial reference frames.

PHY 3424. Optics (3). Prerequisite: PHY 2049C. Geometrical optics, wave optics, optical instrumentation, properties of light, lasers, fiber optics.

PHY 3802L. Intermediate Laboratory (2). Corequisite: PHY 3101. This course focuses on experiments in optics, modern physics, and electricity and magnetism. The emphasis is on the development of experimental technique, assessment of the validity of experimental data, and the development of skill in the written presentation of results.

PHY 3803L. Intermediate Laboratory B (1). Prerequisite: PHY 3802L. Experiments in atomic spectroscopy, mechanics, radio-frequency and microwave measurements, vacuum technique, and data accumulation with microprocessors. The area of emphasis is arranged between the student and the instructor.

PHY 4222. Mechanics II (3). Prerequisites: PHY 3221, PHZ 3113, or instructor permission. This course focuses on Lagrangian dynamics, Hamiltonian dynamics, dynamics of rigid bodies, coupled oscillations, waves in one-dimensional continuous systems, and special relativity.

PHY 4241. Advanced Dynamics (3). Prerequisites: PHY 3221 and PHY 4323. This course examines a variety of topics including Hamiltonian dynamics and electrostatics of particles, waves in continuous media, relativistic dynamics, and electrostatics of particles.

PHY 4323. Electricity and Magnetism I (3). Prerequisites: PHY 3221 and PHZ 3113. This course focuses on electric fields for static charge distributions, electric fields in matter, magnetic fields for constant current configurations, magnetic fields in matter, and Maxwell's equations.

PHY 4324. Electricity and Magnetism II (3). Prerequisite: PHY 4323. This course focuses on electromagnetic wave solutions to Maxwell's equations; reflection, transmission, dispersion, and absorption of electromagnetic waves; scalar and vector potentials; electromagnetic dipole radiation; electrodynamics; and relativity.

PHY 4513. Thermal and Statistical Physics (3). Prerequisites: MAC 2313, PHY 3221, and PHZ 3113. The fundamental laws of thermodynamics and their application to simple systems. The kinetic theory of an ideal gas. An introduction to the classical and quantum statistical mechanics of weakly interacting systems.

PHY 4604. Quantum Theory of Matter A (3). Prerequisites: PHY 3101, PHY 3221, and PHZ 3113. This course focuses on quantum mechanics and its applications to particles, nuclei, atoms, molecules, and condensed matter.

PHY 4605. Quantum Theory of Matter B (3). Prerequisite: PHY 4604. Quantum mechanics and its applications to particles, nuclei, atoms, molecules, and condensed matter.

PHY 4822Lr. Advanced Laboratory (2). Prerequisite: PHY 3802L. Experiments in atomic physics, nuclear physics, and other areas of modern physics. Students are expected to work without detailed instructions. The course may be repeated to a maximum of six semester hours for special projects arranged in advance between the student and the instructor.

PHZ 3113. Mathematical Physics (3). Prerequisite: PHY 3101. Corequisite: MAP 2302 or MAP 3305. Mathematical methods applied to physical systems; vectors, specialized techniques of integration, integral transforms, special functions, boundary-value problems, numerical methods.

PHZ 3400. Phenomena in Condensed Matter Physics (3). Prerequisite: PHY 3101. This course covers topics such as: crystal structures, phonons and thermal properties, electron energy bands, metals, semiconductors, superconductors, and magnetism.

PHZ 4151C. Computational Physics Laboratory (3). Prerequisites: MAP 2302 or MAP 3305, PHY 3221, and PHZ 3113. An introduction to the use of computers to solve computationally intensive problems, including basic instruction in physics problem solving using numerical solutions of differential equations, numerical integration, Monte Carlo methods, linear algebra, and symbolic algebra. Provides instruction in computational techniques and software development skills and practice in using network and software development tools including telnet, ftp, spreadsheets, databases, code management tools, and the World Wide Web. Satisfies the University computer skills competency requirement.

PHZ 4316. Nuclear Astrophysics (3). Prerequisite: AST 4211. Corequisite: PHY 4604. This course offers an introduction to the role of nuclear reactions and decays in astrophysics. Topics cover the origin of elements in the context of Big Bang, major burning stages in the life of a star, stellar explosions, and processes in interstellar matter.

PHZ 4390. Particle and Nuclear Physics (3). Prerequisites: MAP 2302 or MAP 3305 and PHY 3101, or instructor permission. This course examines the properties of nuclei and particles, nuclear and particle decays, the Standard Model, and accelerator and detector techniques.

PHZ 4601. Special and General Relativity (3). Prerequisite: PHY 3221. Corequisite: PHY 4323. This course examines the special theory of relativity, tensor analysis and curvature, general theory of relativity, experimental tests, black holes, gravitational radiation, and cosmology.

Research and Special Topics

AST 4218r. Astrophysics Seminar (1). Prerequisite: AST 4211. This seminar introduces students to current research topics in astronomy and astrophysics through presentation and discussion of recently published research papers, their own research work, and occasional review publications. Topics cover observational and theoretical astrophysics alike. May be repeated to a maximum of two semester hours.

PHY 3949r. Cooperative Work Experience (0). (S/U grade only.)

PHY 4905r. Directed Individual Study (1-3). May be repeated to a maximum of eighteen semester hours.

PHY 4910r. Research Participation (1-3). Projects in theoretical or experimental physics arranged in advance between the student and a member of the teaching faculty of the physics department. May be repeated to a maximum of eight semester hours.

PHY 4936r. Special Topics in Physics (1-3). Prerequisite: Senior standing or instructor permission. Advanced applications of physics to topics of interest, such as relativity, astrophysics, particle physics, advanced solid state physics, or advanced nuclear physics. Offered on demand. May be repeated to a maximum of twelve semester hours.

PHY 4937r. Undergraduate Tutorial in Physics (1-3). (S/U grade only.) Prerequisite: Upper-division undergraduate standing. Selected topics in modern physics. Examination of primary research literature. May be repeated to a maximum of fifteen semester hours. A maximum of eight students allowed in each tutorial.

PHY 4970r. Honors Work (1-6). May be repeated to a maximum of nine semester hours.

PHY 4975. Senior Thesis (1). Prerequisite and corequisite: PHY 4910. A written report and an oral presentation discussing research work done under PHY 4910. The grade is assigned by a committee of three faculty members.

PHY 4990r. Senior Seminar (1). Prerequisite: PHY 3101. Corequisites: PHY 3091 and PHY 4910r. Students present results of their physics research to the class for discussion. May be repeated to a maximum of two semester hours.

Graduate Courses

AST 5210. Introduction to Astrophysics (3).

AST 5219r. Astrophysics Seminar (3).

AST 5245. Radiative Processes in Astronomy (3).

AST 5416. Cosmology and Structure Formation (3).

AST 5418.	Extragalactic Astronomy (3).
AST 5725.	Observational Techniques in Astrophysics (3).
AST 5760.	Computational Astrophysics (3).
AST 5765.	Advanced Analysis Techniques in Astronomy (3).
PHY 5157.	Advanced Numerical Applications in Physics (3).
PHY 5226.	Intermediate Mechanics (3).
PHY 5227.	Advanced Mechanics (3).
PHY 5228.	Mechanics II (3).
PHY 5246.	Theoretical Dynamics (3).
PHY 5326.	Electricity and Magnetism I (3).
PHY 5327.	Electricity and Magnetism II (3).
PHY 5346.	Electrodynamics A (3).
PHY 5347.	Electrodynamics B (3).
PHY 5430.	Physics of Materials (3).
PHY 5515.	Thermal and Statistical Physics (3).
PHY 5524.	Statistical Mechanics (3).
PHY 5607r.	Quantum Theory of Matter A (3).
PHY 5608r.	Quantum Theory of Matter B (3).
PHY 5645.	Quantum Mechanics A (3).
PHY 5646.	Quantum Mechanics B (3).
PHY 5657.	Group Theory and Angular Momentum (3).
PHY 5667.	Quantum Field Theory (3).
PHY 5669.	Quantum Field Theory B (3).
PHY 5670.	Quantum Mechanics C (3).
PHY 5904r.	Directed Individual Study (3).
PHY 5909r.	Directed Individual Study (1–12). (S/U grade only.)
PHY 5918r.	Supervised Research (1–5). (S/U grade only.)
PHY 5920r.	Colloquium (1). (S/U grade only.)
PHY 5930.	Introductory Seminar on Research (1). (S/U grade only.)
PHY 5940r.	Supervised Teaching (0–5). (S/U grade only.)
PHY 6937r.	Selected Topics in Physics (1–3).
PHY 6938r.	Special Topics in Physics (3). (S/U grade only.)
PHY 6941r.	Graduate Tutorial in Physics (1–3). (S/U grade only.)
PHZ 5315.	Nuclear Astrophysics (3).
PHZ 5156C.	Computational Physics Laboratory (3).
PHZ 5305.	Nuclear Physics I (3).
PHZ 5307.	Nuclear Physics II (3).
PHZ 5354.	High-Energy Physics I (3).
PHZ 5355.	High-Energy Physics II (3).
PHZ 5491.	Condensed Matter Physics I (3).
PHZ 5492.	Condensed Matter Physics II (3).
PHZ 5606.	Special and General Relativity (3).
PHZ 5715.	Biophysics I (3).
PHZ 5716.	Biophysics II (3).

For listings relating to graduate course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

PHYSIOLOGY:
see Biological Science

Department of POLITICAL SCIENCE

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY

Web Page: <http://polisci.fsu.edu/>

Chair: Dale L. Smith; **Professors:** Barrilleaux, W. Berry, Crew, Jackson, Maestas, Moore, Scholz, Smith, C. Weissert, W. Weissert; **Associate Professors:** Claggett, Ehrlich, Gomez, Reenock, Souva; **Assistant Professors:** Beazer, Coleman, Driscoll, Grosser, Jeon, Kern, Ryan, Shannon; **Associate In:** Wiebelhaus-Brahm; **Assistant In:** Nagar; **Affiliated Faculty:** F. Berry, Feiock, Metcalf; **Professors Emeriti:** Atkins, Bone, Dye, Flanagan, Glick, Gray, Kim, Palmer, Roady, St. Angelo, Vanderoef

The political science major offers an undergraduate education in the liberal arts tradition, preparing the graduate for a variety of careers by emphasizing the acquisition of skills in communication and analysis and by encouraging independent thought, tolerance, and informed interest in current affairs. More specifically, the study of political science provides background for careers in government at the local, state, and national levels; in international organizations; political campaigns; interest groups and lobbying organizations; journalism; business; and the law.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in political science satisfy this requirement by earning a grade of “C–” or higher in CGS 2060, CGS 2064, or CGS 2100

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.ftvc.org/ftvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. POS X041
2. POS XXXX or INR XXXX or CPO XXXX

Requirements for a Major in Political Science

A political science major consists of thirty semester hours in political science with a grade of “C–” or better in each course, with the following restrictions:

- At least twenty-one semester hours in courses numbered 3000 and above
- At least twenty-one semester hours in an assembled classroom (as distinguished from individual credit for honors, directed studies, and internships)
- At least fifteen semester hours in an assembled classroom at Florida State University (may include courses taken through the study abroad program).

The political science program includes five subfields of study: American government (course prefix is POS), comparative politics (CPO), international relations (INR), public policy (PUP), and public administration (PAD). PAD courses are offered by the Askew School of Public Administration. ISS 2937 may count as a political science course if the instructor is a faculty member in political science.

Majors must take at least three introductory courses, POS 1041, and two additional courses chosen from: CPO 2002, INR 2002, PUP 3002, and PAD 3003.

Note: CPO 2002, INR 2002, POS 1041, and PUP 3002 are prerequisites to most of the upper-level courses in their respective subfields.

Majors also must take at least six semester hours in any three subfields. The introductory courses listed above can be counted toward this subfield requirement. Only those courses listed under the subfield headings below can be used toward that subfield (i.e. courses listed under the “Others” section, though hav-

ing a course prefix of POS, do not count towards the American Government subfield). Majors may verify whether selected courses will count toward major and subfield requirements with the department's Academic Coordinator.

POS 3713 Understanding Political Science Research is required of all majors. This course should be taken as early as possible in the student's academic program, and no later than the first semester of junior year (prior to the completion of seventy-five credit hours).

No student who has accumulated three or more grades below "C—" (D+, D, D–, F, U) in political science courses taken for credit, at Florida State University or elsewhere, will be permitted to continue toward a degree with a major in political science.

Political science majors are required to have a minor or second major and to meet the requirements stipulated by that department or program. Public administration is not permitted as a minor because classes in that area count toward the political science major.

Honors in the Major

The department offers a program of honors in the major to encourage qualified juniors and seniors to undertake independent and original research as part of the undergraduate experience. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Internships

An optional internship in political science is designed to allow students to earn up to six semester hours of credit in political science while also garnering practical experience in government and politics. The prerequisites for internship are: completion of at least sixty semester hours; completion of fifteen semester hours in political science with a "C—" or better, including POS 3713; an overall grade point average of 3.0 or a GPA of 3.0 in political science courses; and permission from the department. Internship credits taken through the Askew School of Public Administration, International Affairs, or Interdisciplinary Social Sciences cannot be counted toward political science major or minor requirements.

For complete details, interested students should contact the department.

Requirements for a Minor in Political Science

Students majoring in other departments or programs may minor in political science with fifteen semester hours of political science courses with grades of "C—" or better. A maximum of six semester hours of PAD and/or PHM prefixes combined may be counted toward the minor. At least nine semester hours must be at the 3000 level or above, and at least six of those must be earned at Florida State University.

Definition of Prefixes

- CPO—Comparative Politics
- INR—International Relations
- PHM—Philosophy of Man and Society
- POS—Political Science
- POT—Political Theory
- PUP—Public Policy

Undergraduate Courses

American Government

POS 1041. American Government: National (3). Investigates how the national government is structured and how the American political system operates. Covers the philosophical and constitutional foundations of American government, the branches of the national government, the mechanisms by which citizens are connected to their government, and the policy outputs of government.

POS 3122. State Politics (3). Prerequisite: POS 1041 or instructor permission. Government and politics in the American states. Looks at the governor, the legislature, and the courts; the history of federalism; and policies, practices, and social institutions that affect state government. Includes a study of state policies in such areas as welfare, education, crime, and the environment.

POS 3142. Urban Politics (3). Prerequisite: POS 1041 or instructor permission. Examines the structure and operation of city governments and the political forces that drive decision making. Includes an examination of different forms of local government and the role of political parties, interest groups, and individuals. Examines the varying social and economic factors affecting U.S. cities.

POS 3182. Florida Government (3). Prerequisite: POS 1041 or instructor permission. The history and current organization of Florida government—the executive, legislative, and judicial branches. Considers such topics as the Florida Constitution, how Florida compares to other state governments, and the effects of interests outside state government.

POS 3204. Public Opinion and Electoral Behavior (3). Prerequisite: POS 1041 or instructor permission. This course explores political attitudes and behavior. It examines such topics as the sources of political knowledge; how political attitudes are formed and changed; how public opinion is measured; and why people vote the way they do.

POS 3263. Political Elites and Representation (3). Prerequisite: POS 1041 or instructor permission. Considers the major areas related to representation in American government: how public officials are elected, the nature of their interactions with citizens, how policy is made at the national level, and the level of popular control.

POS 3443. Political Parties and Campaigning (3). Prerequisite: POS 1041 or instructor permission. Course describes, explains, and evaluates the structure, activities, and functions of political parties in the United States. Examines party organization and leadership, nominations and elections, the American electorate, and political campaigning.

POS 3691. Law and Society (3). Prerequisite: POS 1041 or instructor permission. Course surveys the American legal system, including the role of lawyers; sources and types of law; and courts, legislatures, executive agencies, and other law-making institutions. Also links law and legal behavior to the social, economic, and political features of modern society. (Required for students in the law and society program.)

POS 3931r. Special Topics in Government (3). Prerequisite: POS 1041 or instructor permission. Varies with the instructor and semester. May be repeated to a maximum of nine semester hours.

POS 4070. Race, Ethnicity, and Politics (3). Prerequisite: POS 1041 or instructor permission. This course examines how race and ethnicity are interwoven in American politics by viewing the role of African-American, Latino, and Asian-American voters, candidates, and public officials, and looking at the political attitudes of these groups.

POS 4206. Political Psychology (3). Prerequisite: POS 1041 or instructor permission. This course examines the psychological origins of citizens' political beliefs and actions, while providing an overview of the theories and methods used in the field of political psychology. Topics cover information processing, emotion, attribution, tolerance, stereotyping, prejudice, and political communication.

POS 4235. Media and Politics (3). Prerequisite: POS 1041 or instructor permission. This course examines the role of the news media, both print and electronic, in shaping public opinion and voter behavior.

POS 4275. Political Campaigns (3). Prerequisite: POS 1041 or instructor permission. The planning and administration of electoral campaigns for students interested in campaign participation as volunteers or professionals.

POS 4284. Courts, Law, and Politics (3). Prerequisite: POS 1041 or instructor permission. Survey of the judicial system and its links to politics in the United States. Covers the U.S. Supreme Court, other federal courts, and state and local courts. Topics include legal education and law careers, role of lawyers in court, selection of judges, how civil and criminal cases get to and through the courts, plea bargaining, judicial decision-making, and court-made public policy.

POS 4413. The American Presidency (3). Prerequisite: POS 1041 or instructor permission. The evolution and power of the American presidency and the relations of the President with the branches of government. Also offered by the School of Public Administration and Policy.

POS 4424. Legislative Systems (3). Prerequisite: POS 1041 or instructor permission. Congress and the behavior of its members. Includes the recruitment and election of members of Congress, the functioning of party leaders and congressional committees, the influences on congressional policy-making, and the sources of stability and change in Congress.

POS 4606. The Supreme Court in American Politics (3). Prerequisite: POS 1041 or instructor permission. Reviews the political role of the Supreme Court with particular attention to case law concerning judicial review, commerce power, federalism, and presidential and legislative power.

POS 4624. The Supreme Court, Civil Liberties, and Civil Rights (3). Prerequisite: POS 1041 or instructor permission. Reviews recent interpretations of the Bill of Rights and 14th Amendment case law with special attention to freedom of expression, equal protection, and criminal due process rights.

Comparative Politics

CPO 2002. Introduction to Comparative Government and Politics (3). This course addresses government institutions and current political parties throughout the world, as well as theories that explain similarities and differences among countries. Topics may include electoral systems, parliamentary systems, causes of political change, democratization, political culture, ideologies, and economic and social policy. Examples are drawn from Western democracies and developing countries.

CPO 3034. Politics of Developing Areas (3). Prerequisite: CPO 2002 or instructor permission. Course examines how economic and social conditions affect politics and government in Africa, Asia, Latin America, and/or the Middle East. Typical topics include theories of economic development, cultural influences on politics, religious and ethnic conflict, changing roles of women in the developing world, foreign aid, causes and consequences of poverty, causes of revolution, environmental policies, military regimes, and corruption.

CPO 3101. European Union (3). Prerequisite: CPO 2002 or instructor permission. This course covers the historical development, political institutions, and philosophical underpinnings of the European Union. Topics include federalism, different notions of sovereignty, contemporary decision-making in the EU, assessments of democratic institutions in Europe, and prominent points of debate, such as monetary union, trade policies, environmental policies, and enlargement policies.

CPO 3103. Comparative Government and Politics: Western Europe (3). Prerequisite: CPO 2002 or instructor permission. Political behavior and institutions in Britain, Germany, France, and other European countries and transnational developments in Europe, such as the postindustrial society phenomenon, terrorism, Eurocommunism, and European federation.

CPO 3123. Comparative Government and Politics: Great Britain (3). Prerequisite: CPO 2002 or instructor permission. The political and governmental system of Great Britain within a comparative framework. Comparison and contrast with the United States emphasized.

CPO 3303. Politics of Latin America (3). Prerequisite: CPO 2002 or instructor consent. Course examines Latin American politics after the mid-20th century. Examines the historical, economic, and international contexts in which Latin American political systems function, and identifies challenges to democracy and development. The specific Latin American countries covered will vary.

CPO 3403. Comparative Government and Politics: The Middle East (3). Prerequisite: CPO 2002 or instructor permission. The political systems of the Middle East and their social, economic, and cultural foundations.

CPO 3520. Emerging Democracies in Northeast Asia: Korea, Taiwan, Japan (3). Prerequisite: CPO 2002 or instructor permission. An introduction to politics in Korea, Taiwan, and Japan. Looks at 20th century political developments to better understand contemporary events in these countries. Deals with political issues such as electoral systems, party systems, "economic miracles," the process of democratization, the potential future role of these countries in world affairs, North Korean nuclear development, and unification of the Korean Peninsula.

CPO 3541. Politics of China (3). Prerequisite: CPO 2002 or instructor permission. An introduction to the politics of the People's Republic of China, its political history and contemporary organization. Covers such topics as Chinese communism, the Cultural Revolution, the post-Mao era, the two Chinas, and popular movements and reform. Also examines current issues.

CPO 3553. Politics of Japan (3). Prerequisite: CPO 2002 or instructor permission. This course examines Japanese society and culture, political behavior, and political institutions since World War II. Emphasis is placed on political transformation since the early 1990s.

CPO 3733. Emerging Democracies of Central Europe (3). Prerequisite: CPO 2002 or instructor permission. This course examines the new democracies of Central Europe after the collapse of communism. Emphasis is placed on democratic development in Poland, Czechoslovakia [sic], Romania, Yugoslavia, and Hungary. Discussion covers the historical process of political institutions of each state, especially the transition to democracy and the obstacles faced by all emerging democracies.

CPO 3930r. Special Topics in Comparative Government and Politics (3). Prerequisite: CPO 2002 or instructor permission. Topics vary with the instructor and semester. May be repeated to a maximum of nine semester hours.

CPO 4057. Political Violence (3). Prerequisite: CPO 2002 or instructor permission. Course introduces the student to scholarly writing on violent political conflict. Reviews theories of guerilla struggle and counter-insurgency, as well as the philosophy of non-violent direct action and several theories of conflict resolution. Course also explores the human costs of political violence.

CPO 4504. Institutional Approaches to Democracies and Dictatorships (3). Prerequisite: CPO 2002 or instructor permission. This course examines questions about democracy and dictatorship from an institutional perspective. What is democracy and how is it measured, and how does regime affect the welfare of citizens? An emphasis is on the variety of institutional arrangements found in dictatorships.

CPO 4704. Comparative Welfare States (3). Prerequisite: CPO 2002 or instructor permission. This course explores three questions related to welfare states: the evolution of welfare states in different societies, how the welfare state has developed in the modern era, and how welfare states in other countries can lead to better understanding of American welfare politics and policies.

International Relations

INR 2002. Introduction to International Relations (3). This course introduces students to the study of international relations. Major topics include the different actors that participate in international relations and the different goals they pursue, the processes of conflict and cooperation, and recent trends in international politics.

INR 3004. Geography, History, and International Relations (3). Prerequisite: INR 2002 or instructor permission. Course introduces students to the impact of geography and history on international relations and considers the ways these forces influence national and international processes. Topics include the role of geography in international economics and trade, regional integration, geopolitics, territorial and resource disputes, and how decision-makers learn from history.

INR 3084. Terror and Politics (3). Prerequisite: INR 2002 or instructor permission. This course focuses on terrorist organizations and government responses to them.

INR 3502. International Organization (3). Prerequisite: INR 2002 or instructor permission. Course covers the role of global and regional international organizations in contemporary world politics. Special emphasis is placed on the United Nations system, including its structure, activities, influence, and role in world integration.

INR 3603. Theories of International Relations (3). Prerequisite: INR 2002 or instructor permission. This course provides a more detailed examination of the process of international relations than the introductory course. Topics include the major approaches to foreign policy decision making, prominent explanations of international conflict, and process of international economics.

INR 3933r. Special Topics in International Relations (3). Prerequisites: INR 2002 or instructor permission. Topics vary with the instructor and semester. May be repeated to a maximum of nine semester hours.

INR 4011. Political Responses to Economic Globalization (3). Prerequisite: INR 2002. This course examines economic globalization: what it is, who is harmed and helped by it, how countries and citizens respond to it, and what the future might hold. This course focuses heavily on economic issues but assumes no background in the subject.

INR 4075. International Human Rights (3). Prerequisite: INR 2002 or instructor permission. This course introduces the student to the philosophical and legal foundations of the international human rights regime and explores the developments of norms and institutions with special emphasis on the post-World War II era.

INR 4078. Confronting Human Rights Violations (3). Prerequisite: INR 2002 or instructor permission. This course investigates various means of confronting massive human rights violations. It compares the recent phenomena of truth commissions and pardons to the more traditional, legalistic approach of criminal prosecution. Moral issues involved in each approach and how each serves society are explored. Specific truth commission cases are studied.

INR 4083. International Conflict (3). Prerequisite: INR 2002 or instructor permission. This course examines historical patterns in warfare and considers the conditions that influence war and peace between nation-states. Topics include causes of war, outcomes and aftermath of war, and approaches to peace.

INR 4102. American Foreign Policy (3). Prerequisite: INR 2002 or instructor permission. The role of the U.S. President, State Department, Congress, Central Intelligence Agency, and Defense Department in making foreign policy. Examines the decision-making process and domestic sources of foreign policy, such as the electorate, public opinion, interest groups, and the media. Looks at the past and the future of American foreign policy with an emphasis on current issues.

INR 4124. Statecraft (3). Prerequisite: INR 2002. Introduces students to the field of security studies. Provides an introduction to the competing visions of the place of the U.S. in the world, the theoretical arguments behind each approach, and how the various perspectives differ on central policy issues.

INR 4244. Studies in International Politics: Latin America (3). Prerequisite: INR 2002 or instructor permission. Latin America in the international political system, with emphasis on the United States and Latin America.

INR 4274. Studies in International Politics: The Middle East (3). Prerequisite: INR 2002 or instructor permission. Developments in the international politics of the Middle East and North Africa; historical background to Middle Eastern conflicts, wars, and crises with a focus on the Arab-Israeli conflict.

INR 4334. American Defense Policy (3). Prerequisite: INR 2002 or instructor permission. The evolution and organization of American defense policy as well as an assessment of its current capabilities.

INR 4702. Political Economy of International Relations (3). Prerequisite: INR 2002 or instructor permission. Course examines the interaction between politics and economics in international relations. Topics covered include international trade, the global monetary system, multinational corporations, regional integration, and economic development.

Public Policy

PUP 3002. Introduction to Public Policy (3). This course is an introduction to the development of public policy in the United States. Covers main policy areas including housing, education, the economy, homeland security, etc.

PUP 3323. Women and Politics (3). Prerequisite: POS 1041 or instructor permission. Course surveys the relations between gender and politics, governance, and public policy. Looks at the impact of government policies on socialization and how this socialization influences political participation. Topics include vote choice, women as candidates and in elective office, women as appointees, and the differential impact of public policies on women and men. Focuses as well on the racial and ethnic differences among women with respect to participation, vote choice, recruitment, and behavior once in office.

PUP 4008. Public Policy Analysis (3). Prerequisite: PUP 3002. Introduces students to the evaluation and analysis of public policy, using the political economy approach.

PUP 4024. Interest Groups, Social Movements, and Public Policy (3). Prerequisite: PUP 3002 or instructor permission. Course examines the varied effectiveness of interest groups and movements on public policy formation, with emphasis on resources, organizational structure, ideology, strategies, and tactics.

PUP 4034. Organizations and Public Policy (3). Prerequisite: PUP 3002. This course is concerned with the accountability and performance of bureaucracies and their implications for democracy, examining the role of organizations and bureaucracies in public policy, focusing on factors such as decision-making activities, rationality, motivation, and conflict within and among organizations.

PUP 4203. Environmental Politics and Policy (3). Prerequisite: PUP 3002 or instructor permission. This course focuses on the actions taken by government to protect and improve environmental quality in the United States. It includes such topics as the underlying scientific principles, the major actors in policy making, existing legislation, and future challenges. Background in science is not necessary.

PUP 4744. Public Policy and Business (3). Prerequisites: POS 1041 and PUP 3002. A survey and analysis of public policies affecting business and industry.

PUP 4931r. Special Topics in Public Policy (3). Prerequisite: PUP 3002 or instructor permission. Policy alternatives and the policy-making process on a specific contemporary policy question in America, e.g., science research and development, energy, regulation, taxes, environment. Varies with the instructor and semester. May be repeated to a maximum of nine semester hours.

Political Theory

PHM 3331r. Modern Political Thought (3). Major political ideas of the modern world emphasized through a study of selected political theories; 1113 attention to differentiating modern from ancient and medieval political thought. Also offered by the Department of Philosophy.

PHM 4340r. Contemporary Political Thought (3). Emphasis on a selected set of issues, trend, or school of thought in contemporary political philosophy. Also offered by the Department of Philosophy.

POT 3003. Introduction to Political Thought (3). Study of the writings of several major political theorists of the past that explore the major issues that define the field of political theory.

POT 3102. Political Thought in Fiction (3). An inquiry into politics and political thought as they appear in fiction, including literature, cinema, theatre, and television.

POT 3502. Politics and Ethics (3). This course examines governing as the process of collective decision-making and as a society's search for public ethics.

POT 4004. Values and Politics: Conflicting World Views and the Issues that Divide Us (3). Prerequisite: CPO 2002 or POS 1041 or PUP 3713 or instructor permission. Explores the historical evolution of three competing world views—theism, modernism, and postmodernism—beginning in the Middle Ages. Course links this evolution in Western thought to shifting perspectives in how Americans view their world, especially after 1960. The resulting conflict in world views has given rise to a new agenda of value-based issues that are presently eclipsing the traditional economic issues in public debate. Through class discussions and debates the following issues will be covered: abortion, euthanasia, religion in the schools, pornography, homosexuality, teenage pregnancy, minority rights, feminism, substance abuse, criminal justice, the environment, and personal privacy.

POT 4205. American Political Thought I (3). Course explores and analyzes the major thinkers of American political thought from its beginnings up to the Civil War period. Included topics are Puritanism, the American Revolution, the making and ratifying of the Constitution, Jeffersonian and Jacksonian democracy, the nature of the union, and the issue of slavery.

Others

POS 3713. Understanding Political Science Research (3). Prerequisite: POS 1041 or CPO 2002 or INR 2002 or PUP 3002 or instructor permission. Doing political science as opposed to reading it. Includes introductory examinations of survey research, computer applications, data analysis, and philosophy of science. Required for all political science majors.

POS 3930r. Advanced Undergraduate Seminar (3). Prerequisite: At least twelve semester hours of political science or instructor permission. Seminar on topics of major theoretical or policy relevance to political scientists. Opportunity for discussion and instructor interaction. Topic varies. May be repeated to a maximum of six semester hours.

POS 3949r. Cooperative Education Work Experience (0). (S/U grade only.) Prerequisite: POS 1041 or instructor permission.

POS 4715. Politics and the Theory of Games (3). Prerequisites: CPO 2002 or INR 2002 or POS 1041 and completion of the mathematics liberal studies requirements. Course discusses elementary theories of individual and group decision-making that are used to analyze various political phenomena such as the arms race, legislative politics, majority rule in democracies, voting and elections, and coalition governments.

POS 4905r. Directed Individual Study (1–3). Prerequisite: At least twelve semester hours of political science or instructor permission. Involves some combination of research, reading, writing, field study, other scholarly activities, and evaluation. May be repeated to a maximum of twelve semester hours.

POS 4935r. Honors Work (1–6). When offered as a seminar, selected topics are used to develop outstanding scholarship; also offered for individual students engaged in senior honors thesis. Contact the department for details on prerequisites and requirements. May be repeated to a maximum of nine semester hours.

POS 4941r. Internship (1–6). Prerequisites: Completion of at least sixty semester hours, completion of fifteen semester hours in political science (including POS 3713) with a grade of "C–" or better, a 3.0 GPA average or a 3.0 GPA in political science courses, and departmental permission. For complete details interested students should contact the department.

Graduate Courses

Comparative Politics

- CPO 5091.** Core Seminar in Comparative Government and Politics (3).
- CPO 5127.** Seminar in Comparative Government and Politics: Great Britain (3).
- CPO 5407.** Seminar in Comparative Government and Politics: The Middle East (3).
- CPO 5740.** Comparative Political Economy (3).
- CPO 5934r.** Selected Topics (3).
- CPO 6910.** Advanced Research in Comparative Politics (3).

International Relations

- INR 5007.** Seminar in International Relations: International Politics (3).
- INR 5014.** Contexts and International Relations (3).
- INR 5036.** International Political Economy (3).
- INR 5137.** Politics of Terror (3).
- INR 5315.** Foreign Policy Analysis (3).
- INR 5507.** International Organizations (3).
- INR 5934r.** Selected Topics (3).
- INR 6910.** Advanced Research in International Relations (3).

American Government

- POS 5036r.** Seminar in American Government and Public Policy: Selected Topics (3).

- POS 5045.** Seminar in American Government and Public Policy: National Government (3).
- POS 5127.** State Government and Politics (3).
- POS 5208r.** Selected Topics in Political Behavior (3).
- POS 5227.** The Executive (3).
- POS 5237.** Seminar in American Government and Public Policy: Public Opinion (3).
- POS 5277.** Electoral Politics (3).
- POS 5287.** Seminar in American Government and Public Policy: Judicial Politics (3).
- POS 5427.** Legislative Politics (3).
- POS 5698r.** Selected Topics (3).
- POS 5727r.** Advanced Game Theory (3).
- POS 6910.** Advanced Research in American Government (3).

Methods of Political Analysis

- POS 5723r.** Game Theory (3).
- POS 5736r.** Research Design (3).
- POS 5737r.** Political Science Data Analysis (3).
- POS 5744.** Fundamentals of Political Research (3).
- POS 5746r.** Quantitative Analysis in Political Science (3).
- POS 5747r.** Advanced Quantitative Analysis in Political Science (3).
- POS 5915.** Political Science Research Practicum (3).

Public Policy

- PUP 5005.** Public Policy: Institutions and Processes (3).
- PUP 5006.** Policy Implementation and Evaluation (3).
- PUP 5007.** Models of Public Policy-Making (3).
- PUP 5015.** Comparative Public Policy (3).
- PUP 5607.** Politics of Health Policy (3).
- PUP 5932r.** Selected Topics (3).
- PUP 6910.** Advanced Research in Public Policy (3).

Other

- POS 5909r.** Directed Individual Study (1–3).
- POS 5946r.** Teaching Political Science at the College Level (3).
- POS 5971r.** Thesis (1-6). (S/U grade only.)
- POS 6930r.** Profession of Political Science (0–6). (S/U grade only.)

Applied American Politics and Policy

- POS 5085.** Governmental Relations for Business (3).
- POS 5096.** Political Fundraising (3).
- POS 5203.** Fundamentals of Political Management (3).
- POS 5274.** The Campaign Process (3).
- POS 5276.** Political Communication and Message Development (3).
- POS 5335.** Political Research (3).
- POS 5465.** Lobbying (3).
- POS 5905.** Applied Program Planning (1). (S/U grade only.)
- POS 5945r.** Professional Practicum/Internship (3–12).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

POPULATION:
see *Graduate Bulletin*

PORTUGUESE:
see Modern Languages and Linguistics

PRELAW EMPHASIS:
see Communication

PREPROFESSIONAL AREAS:
see College of Medicine

PSYCHOBIOLOGY/NEUROSCIENCE:
see *Graduate Bulletin*

Department of PSYCHOLOGY

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://www.psy.fsu.edu>

Chair: Jeanette Taylor; **Associate Chair:** Berler; **Professors:** Baumeister, Carbonell, Charness, Contreras, Eckel, Ericsson, Hull, Hyson, F. Johnson, Joiner, Keel, Kistner, Lonigan, Maner, Patrick, Schatschneider, Schmidt, Spector, Taylor, Tice, Wagner, Wang; **Associate Professors:** Bernat, Bolaños, Kaschak, Kelley, B. Licht, M. Licht, McNulty; **Assistant Professors:** Boot, Cogle, Williams; **Research Associates in Psychology:** Berler, Kline, Murphy, Sachs-Ericsson; **Assistants in Psychology:** A. Johnson, O. Johnson, Polick; **Affiliated Faculty:** Bennett Johnson, Cappendijk, Davis, Driscoll, Ferris, Gerend, Glueckauf, Kabbaj, Ouimet, Phillips, Roehrig, Tenenbaum, VanLandingham, Wetherby; **Adjunct Instructors:** Sullivan, Wells Harrison; **Professors Emeriti:** Bailey, Berkley, Brigham, Hokanson, Lang, Megargee, Miller, Rashotte, Smith, Stephan, Torgesen, Weaver

The undergraduate program in psychology offers introductory survey courses to give the liberal studies student a broad background in the study of behavior, as well as upper-division courses for the advanced student who has more specialized interests. The undergraduate major includes a rigorous course of study that covers the methodology and content needed to understand the causes of behavior in humans and animals. It is the intent of the program that the level of knowledge attained by the successful major will be such that the student is well prepared for graduate-level studies in any of the specialty areas in psychology. Likewise, the undergraduate program will provide excellent preparation for those interested in advanced training in a professional school (e.g., law or medical school), although additional coursework outside psychology may be required. Although some students may not wish to pursue graduate studies, this program assures that the successful major will attain a strong science-based liberal arts education.

Majors are required to take three laboratory courses, and qualified students are encouraged to work in the department's research laboratories or to participate in research in educational and clinical settings. Students are strongly encouraged to consult early and regularly with the departmental Advising Office to be sure they are meeting program requirements and to ask about opportunities for intensive study in a specialty area while pursuing the major, as well as how to better prepare oneself for graduate school. Advisers are available M-F from 9:00 a.m. to 12:00 noon and 1:30 p.m. to 4:30 p.m. You may call (850) 644-4260 or e-mail advising@psy.fsu.edu. The optional areas of emphasis include clinical psychology, cognitive psychology, developmental psychology, neuroscience, and social psychology. Students on the Panama City campus may specialize in applied behavior analysis and performance management. For the student wishing to study abroad, the department offers a summer program to study psychology in London. The program includes two 4000 level elective courses that are not offered at other FSU campuses and that emphasize cultural determinants of behavior. There also may be opportunities to study for a semester in one of FSU's many study centers and programs abroad (including, but not limited to, Florence, Valencia, London, Panama, and Prague) while completing Liberal Studies requirements, one's minor, and/or one's foreign language requirement. For detailed information about the psychology major and the department, please refer to <http://www.psy.fsu.edu>.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in psychology satisfy this requirement by earning a grade of "C-" or higher in BSC 2010L, CGS 2060, CGS 2100, CGS 3046, COM 4470, COP 3014, or ISC 3313.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the upper-division program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.fvc.org/fvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. BSC X0XX or BSC X20X or ZOO X010
2. PSY X012
3. PSY XXXX or any other lower level Psychology class within the Psychology Inventory (e.g., CLP, DEP, EAB, EXP, INP, PCO, PPE, and PSB prefixes)
4. STA XXXX

Admission Requirements for a Major in Psychology

Admission to the undergraduate program in psychology is based on a minimum GPA and the successful completion of prerequisite course requirements. A Psychology major who applies for readmission to the college must meet the degree requirements of the catalog in force on the date of readmission. Students whose psychology credits are ten years old or older will need to have their existing credits evaluated by the Department of Psychology to determine if any requirements need to be repeated to ensure that their knowledge of Psychology is current.

Note: While some of these requirements overlap with the state of Florida Common Program Prerequisites (listed above), there are additional requirements for formal admission to the psychology major. Please note that students who qualify for upper-division status and who wish to enter FSU as a psychology major must complete **all** of the following prerequisites **prior** to being accepted at FSU.

1. A minimum GPA of 2.8 in all college-level courses attempted
2. Meet requirements for progression to upper division status
3. Completion of the three courses listed below (each with a "C-" or better); these three courses should be taken as part of the liberal studies requirements or the AA degree.
 - a. PSY 2012 General Psychology
 - b. One biology course, chosen from among BSC 1005, 2010, 2085, 2086, PCB 2099, PSB 2000, ZOO X010, or equivalent
 - c. Any statistics course, with STA 2122 or STA 2171 strongly preferred. The Research Methods course (PSY 3213C), which is required of all majors, requires that STA 2122 or STA 2171 or equivalent be taken as a course prerequisite (or corequisite, if necessary). It is important that students see a psychology adviser for guidance as to when it is best to schedule these courses.

Requirements for a Major

Note: Please see the undergraduate link on the department's Web site at <http://www.psy.fsu.edu> or contact the Psychology Advising Office at (850) 644-4260 for requirements.

Please review all college-wide degree requirements summarized in the "College of Arts and Sciences" chapter of this *General Bulletin*.

Please also see the section in this *General Bulletin* on university-wide undergraduate degree requirements regarding the following: multi-cultural, oral communication competency, and computer skills competency. For the Bachelor of Science (BS) degree in psychology, the requirements listed below, along with the requirements of the College of Arts and Sciences, must be fulfilled. For the Bachelor of Arts (BA) degree, nine additional semester hours in the humanities and history are required above and beyond the requirements for the BS degree.

The Department of Psychology offers a broad selection of courses in order for each student to select a curriculum appropriate for his/her needs. All students must fulfill the major requirements listed below, which ensure a balanced program of study. Any of the courses listed below, if presented by the student toward fulfillment of the major, must be completed with a minimum grade of "C-". Additionally, no student who has accumulated more than four grades below "C-" (D+, D, D-, F, U) in psychology courses or prerequisite courses for the major taken for credit at Florida State University or elsewhere will be permitted to continue toward a degree with a major in psychology.

In an effort to maintain quality and to give students a direct way to affect the program, the Department of Psychology asks all of its graduating seniors to complete a survey to provide information about their experiences in and impressions of the department.

Class Attendance

The Department of Psychology enforces a strict first-day attendance policy. Students missing the first day of any class or laboratory will be dropped. For courses involving both a lecture and laboratory component, students missing the first day of **either** component will be dropped from the four-credit course.

Required Upper-Level Courses for a Psychology Major

Note: EXP 3202C, 3203C, 3422C, 3604C, PSY 3213C and PSB 3004C are each four hour courses with both lecture and laboratory components. These courses previously were three hour lecture courses and separate one hour laboratory courses.

Thirty-six semester hours of psychology courses (not including General Psychology) are required for the major. At least eighteen of these thirty-six hours must be taken in residence at FSU. Courses taken outside the Department of Psychology will not count toward the Psychology thirty-six hour requirement. Courses with a WST prefix will not count toward the Psychology major, even though they are listed on the Psychology course search. Students pursuing a double major may use up to six hours of Psychology coursework toward another major, provided that major accepts those courses. Students should check with advisers in both majors on these course requirements. The thirty-six hours must include:

Group 1: Research Methods. STA 2122 or 2171 or equivalent is a prerequisite (or corequisite, for students with prior statistics credit).

Group 1 totals four hours of credit.

PSY 3213C Research Methods in Psychology with Laboratory (4)

Group 2: Neuroscience. Students must take one course, totaling three to four semester hours, from this group.

EXP 3202C Sensation & Perception with Laboratory (4)

EXP 3203C Animal Sensory Processes with Laboratory (4)

PSB 2000 Brain and Behavior (3)

PSB 3004C Physiological Psychology with Laboratory (4)

PSB 4461 Hormones & Behavior (3)

Note: If PSB 2000 was used for the biology requirement for entrance into the major, it cannot also fulfill Group 2.

Group 3: Social, Cognitive, and Developmental Psychology. Students must take two courses, totaling six to seven semester hours, from this group. Only one of these can have a DEP prefix.

DEP 3103 Child Psychology (3)

DEP 4404 Psychology of Adult Development and Aging (3)

EXP 2020 Mind and Cognition (3)

EXP 4640 Psychology of Language (3)

EXP 3604C Cognitive Psychology with Laboratory (4)

EXP 4404 Human Memory and Learning (3)

SOP 3004 Social Psychology (3)

Group 4: Lecture/Laboratory Courses. Students must take two courses from the list below. Each course contains a lecture and laboratory component.

EXP 3202C Sensation and Perception with Laboratory (4)

EXP 3422C Conditioning and Learning with Laboratory (4)

EXP 3604C Cognitive Psychology with Laboratory (4)

PSB 3004C Physiological Psychology with Laboratory (4)

Note: If students use one or more courses from Group 4 to fulfill requirements from Group 2 and/or Group 3, they can still count them toward the Group 4 requirements. By double-counting these courses, students will not be able to graduate with fewer hours in the major; rather, they will take more psychology electives (Group 5) to total thirty-six semester hours. Group 4 adds between zero and eight hours of credit, depending on how many courses are double counted.

Group 5: Psychology Electives. Students must take enough psychology elective courses to total thirty-six hours of psychology courses (not including General Psychology). Group 5 adds between fourteen hours and twenty-one hours of credit.

- Up to six total hours of either directed individual study (DIS: PSY 4911-4914) and/or research topics (PSY 4920) can count toward psychology electives. These are taken by instructor permission only. Students can take a total of up to twenty-four hours of these research experience courses (a combination of up to twelve hours DIS or up to eighteen hours PSY 4920) for university credit, but only six hours total will count toward the psychology major.
- Honors thesis work (PSY 4039r). Students can use honors thesis work to bring the total number of hours of "research experience" to nine hours maximum. For example, if a student took six combined hours of PSY 4920 and PSY 4911, he/she can count an additional three hours of honors thesis work toward the major.

- Courses with a WST prefix will not count toward psychology electives even though they are listed on the psychology course look up.
- Psychology electives can include any psychology courses not listed above, as well as classes listed under Groups 2, 3, or 4 as long as they have not been used to fulfill other requirements.
- For students who have not taken any 4000-level psychology courses at Florida State University to fulfill Psychology requirements, at least three hours of psychology electives must be taken at the 4000 level at Florida State University. This cannot include PSY 4911-14, PSY 4920, or PSY 4039.

Honors in the Major

The Department of Psychology offers an Honors in the Major program to encourage talented students to undertake independent and original research as part of the undergraduate experience. Students conduct this research under the supervision of a psychology faculty member. Completing an honors project contributes greatly to one's preparation for graduate studies in psychology and related fields. Students must have a 3.5 GPA in psychology courses and must be admitted into the University Honors in the Major Program prior to beginning this research. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*. Once admitted to the University Honors in the Major Program, students must identify a psychology faculty mentor for supervision of their honors thesis research.

Requirements for a Minor in Psychology

Twelve semester hours of psychology are required for a minor in psychology. One of these courses must be PSY 2012 General Psychology (3). Grades below "C-" will not be accepted for credit toward the minor. A minimum of six of the required semester hours must be completed at Florida State University. No courses used for satisfying the liberal studies requirements may count toward the minor, nor may any courses taken for an S/U grade. Also, courses with a WST prefix will not count toward the psychology minor.

Areas of Special Emphasis

Several areas of emphasis are available for students, especially those planning a graduate career in psychology or a related field. The areas are clinical psychology, cognitive psychology, developmental psychology, neuroscience, and social psychology. The recommended curriculum includes coursework and DIS or Research Topics to provide students with a strong background in scientific method and content pertinent to their areas of particular interest.

Bachelor's Degree in Psychology at Panama City

Students may complete the requirements for the Bachelor of Science (BS) in psychology at the Panama City campus. Students transferring to the Panama City campus must have completed an approved AA degree or equivalent; the Panama City campus offers no courses at the freshman or sophomore levels. Students should refer to the common course requirements for this degree program.

Courses are offered during the day for those wishing to complete the program as full-time students. Evening courses are offered for students whose schedules conflict with daytime courses and wish to pursue a degree on a part-time basis.

A master's degree with a specialty in applied behavior analysis also is offered at the Panama City campus.

Admission Requirements at Panama City

Admission requirements for the Panama City campus are:

- An AA degree from a Florida public institution, or satisfaction of the Florida State University liberal studies requirement
- A minimum GPA requirement in all attempted courses: Check with a Panama City psychology adviser regarding current GPA requirement at Panama City, which may differ from the 2.8 required at the main campus.
- Completion of the three courses listed below (each with a "C-" or better). These three courses should be taken as part of the liberal studies requirements or the AA degree:
 - PSY 2012 General Psychology
 - One biology course, chosen from among BSC 1005, 2010, 2085, 2086, PCB 2099, PSB 2000, ZOO X010, or equivalent
 - Any statistics course, with STA 2122 or STA 2171 strongly preferred. The Research Methods course (PSY 3213C), which is required of all majors, requires that STA 2122 or STA 2171

or equivalent be taken as a course prerequisite (or corequisite, if necessary). It is important that students see a psychology adviser for guidance as to when best to schedule these courses.

Required Upper-Level Courses for a Psychology Major at Panama City

Graduation requirements for the psychology major are the same as those at the Tallahassee campus.

Note: For further information about admission, degree requirements, minor requirements, or the foreign language requirements for the bachelor's degree program, contact the FSU Panama City campus at (850) 872-4750, or toll free at (866) 539-7588, or refer to <http://www.pc.fsu.edu>.

Definition of Prefixes

CBH—Comparative Psychology and Animal Behavior

CLP—Clinical Psychology

DEP—Developmental Psychology

EAB—Experimental Analysis of Behavior

EXP—Experimental Psychology

INP—Industrial and Applied Psychology

ISC—Interdisciplinary Sciences

PCB—Process Biology

PPE—Personality

PSB—Psychobiology

PSY—Psychology

SCE—Science Education

SOP—Social Psychology

Undergraduate Courses

General Psychology

PSY 2012. General Psychology (3). This course is a broad introduction to the field of psychology covering such topics as learning, perception, intelligence, personality, social behavior, neuroscience, developmental psychology, and abnormal behavior.

PSY 2023. Careers in Psychology (1). (S/U grade only.) Prerequisite: PSY 2012. This course is intended for psychology majors who are uncertain about their career goals. Students learn what career opportunities are available in psychology and related fields and what these careers involve. Students are encouraged to take this course early in their undergraduate years so they can pursue opportunities at FSU that will help prepare them for their chosen career paths.

PSY 2029. New Student Seminar in Psychology (1). (S/U grade only.) This course allows incoming freshmen and transfer students an opportunity to become familiar with the familiar with the field of psychology, the Florida State University Department of Psychology, and techniques for achieving success in college.

PSY 3213C. Research Methods in Psychology with Laboratory (4). Prerequisites: Psychology major, PSY 2012, and STA 2122 or STA 2171 or equivalent. This course is an introduction to philosophical and methodological issues in the empirical study of psychology. Laboratory portion includes running simple experiments, analyzing data, and interpreting the results.

PSY 4604. History and Systems of Psychology (3). Prerequisites: PSY 2012, junior or senior standing. This course covers the philosophical and scientific antecedents of modern psychology and the history of psychology as an independent scientific discipline.

Behavioral and Systems Neuroscience

CBH 4304. Behavioral Genetics (3). Prerequisites: PSY 2012 and STA 2122 or STA 2171 or equivalent. This course examines the application of genetic methods to human and animal behavior. Genetic methods discussed include twin and adoption as well as molecular studies. Behaviors to be examined include personality, intelligence, and psychopathology.

EXP 3202C. Sensation and Perception with Laboratory (4). Prerequisite: PSY 3213C. This course explores the role of senses in behavior and the perceptual organization of sensory information; lecture plus laboratory experiments.

EXP 3203C. Animal Sensory Processes with Laboratory (4). Prerequisite: PSY 3213C. This course covers animal psychophysics and electrophysiology in the study of animal senses; lecture plus laboratory experiments.

EXP 3422C. Conditioning and Learning with Laboratory (4). Prerequisite: PSY 3213C. This course explores how experience affects the behavior and physiological functioning of animals and humans; lecture plus laboratory experiments.

PSB 2000. Introduction to Brain and Behavior (3). This course studies the basic principles of brain functions and how they relate to animal and human behavior. (Cannot be taken after PSB 3004C.)

PSB 3004C. Physiological Psychology with Laboratory (4). Prerequisite: PSY 3213C. This course studies current problems, theories, and techniques in physiological psychology with emphasis on central nervous system mechanisms.

PSB 4240. Neurobiology of Brain Dysfunction (3). Prerequisites: PSY 2012 and PSB 2000 or PSB 3004C or three semester hours in biology. This course focuses on clinical neuroscience, which is the exploration of the neurobiological foundations of brain dysfunction and major diseases affecting the central nervous system, including mental health and mental illness.

PSB 4447. Clinical Psychopharmacology (3). Prerequisites: PSY 2012 and PSB 2000 or PSB 3004C or three semester hours in biology. This course covers neuropsychopharmacology, including the behavioral effects of brain-mind altering drugs (i.e. psychotropics) and the biological action of drugs used to treat psychological disorders.

PSB 4461. Hormones and Behavior (3). Prerequisites: PSY 2012 and PSB 2000 or PSB 3004C or three semester hours in biology. This course provides students with current knowledge of interactions between hormones and behavior with emphasis on the brain regulation of hormone-behavior interaction in mammalian species including humans.

PSB 4641. Pain and Suffering (3). This course combines formal lectures, student-teacher discussions, and student presentations to understand what we currently know and how we can increase our knowledge about the multifaceted (genetic, biological, physiological, psychological, sociocultural) mechanisms underlying pain.

PSB 4710. Biology of Eating Disorders and Obesity (3). This course explores the biological and genetic factors that may increase susceptibility to develop an eating disorder or obesity. It also provides a survey of biological changes that arise in individuals with an eating disorder or obesity.

PSB 4731. Biopsychology of Sexual Behavior (3). Prerequisites: PSY 2012 and PSB 2000 or PSB 3004C or three semester hours in biology. This course studies biological and sociocultural determinants of sexual development particularly as it relates to sexual orientation, sexual preference, and purported gender differences in personality, cognition, and mental disorders.

Human Learning and Cognition

EXP 2020. Mind and Cognition (3). Prerequisite: Instructor permission. This course focuses on intelligent behavior in humans, animals, and machines and on the mechanisms underlying this behavior.

EXP 3604C. Cognitive Psychology with Laboratory (4). Prerequisite: PSY 3213C. This course covers contemporary approaches to human learning, memory, and higher mental processes; lecture plus laboratory experiments.

EXP 4404. Human Memory and Learning (3). Prerequisites: PSY 2012. This course introduces issues related to human memory and learning. Theories of memory, including memory systems, capacity and duration of memory, and basic memorial processes are discussed. Applied issues are covered, including disorders of memory (e.g., Alzheimer's disease), repressed memories, and memory improvement.

EXP 4640. Psychology of Language (3). Prerequisites: PSY 2012. This course focuses on the mental processes involved in language use (e.g., speech, comprehension, conversation, and writing).

Clinical/Personality

CLP 3003. Psychology of Adjustment (3). Prerequisite: PSY 2012. This course covers human adjustments and the resulting forms of behavior. Abnormal and normal behavior are contrasted. Special emphasis on the determinants of adjustments.

CLP 3305. Clinical and Counseling Psychology (3). Prerequisite: PSY 2012. This course is a survey of the theory, research, and treatment procedures in the clinical process.

CLP 3314. Health Psychology (3). Prerequisite: PSY 2012. This course is a survey of health psychology and behavioral medicine. Topics include mind/body connections, health and disease, stress and coping, and psychology in medical settings.

CLP 4110. Eating Disorders (3). Prerequisites: PSY 2012. Junior or senior standing is strongly recommended. This course presents an in-depth investigation of eating disorders including anorexia nervosa, bulimia nervosa, and eating disorders not otherwise specified, spanning topics such as biological bases of disordered eating, cultural and historical patterns in prevalence of eating pathology, and cognitive disturbances and personality features associated with eating disorders.

CLP 4134. Abnormal Child Psychology (3). Prerequisite: DEP 3103. This course focuses on the development, maintenance, assessment, and treatment of various psychological disorders of childhood and adolescence. Theoretical perspectives and research findings are discussed pertaining to anxiety, depression, autism, conduct disorder, attention-deficit disorder/hyperactivity disorder, and learning disabilities.

CLP 4143. Abnormal Psychology (3). Prerequisite: PSY 2012. Junior or senior standing is strongly recommended. This course focuses on the causes of personality disorganization, diagnosis and treatment of mental illness, and developments in experimental psychopathology.

CLP 4182. Addictive Behaviors (3). Prerequisites: PSY 2012 and junior or senior standing. This course addresses the broad concept of "addiction," emphasizing substance use problems, but touching on other gratifying compulsive behaviors such as overeating, gambling, and certain sexual deviations. Critical thinking about the available theoretical, empirical, and popular literature as well as relevant public policy is the focus.

CLP 4343r. Current Issues in Clinical Psychology (3). Prerequisites: PSY 2012 and junior or senior standing. This course studies current issues in clinical psychology. May be repeated to a maximum of six semester hours.

CLP 4392. Psychology of Criminal Behavior (3). Prerequisite: PSY 2012. This course focuses on understanding psychological factors relevant to the development and maintenance of criminal behavior. As a point of reference for understanding the intrapersonal factors contributing to criminality, the course focuses in detail on the clinical phenomenon of psychopathic personality, or "psychopathy", and the related concept of antisocial personality disorder.

CLP 4950. Abnormal Psychology Field Experience (1). (S/U grade only.) Prerequisites: CLP 4143, PSY 2023, and instructor permission.

PPE 3003. Psychology of Personality (3). Prerequisite: PSY 2012. This course is an introduction to methods, theory, and research in personality.

PSY 4302. Theory, Application, and Evaluation of Tests (3). Prerequisite: PSY 3213C. This course explores basic test and measurement theory which is essential in the construction, appropriate use, and evaluation of achievement, aptitude, intelligence, interest, and personality tests.

Life-Span Development

DEP 3103. Child Psychology (3). Prerequisite: PSY 2012. This course provides broad coverage of topics concerning the biological, social, and cognitive aspects of children.

DEP 3305. Psychology of Adolescent Development (3). Prerequisite: PSY 2012. This course examines recent research dealing with adolescents. Emphasis is placed on the influence of growth and on the role of cultural pressures on behavior.

DEP 4404. Psychology of Adult Development and Aging (3). Prerequisite: PSY 2012. This course focuses on the study of the major psychological issues of adulthood and aging, including age-related changes in psychological, social, and physical functioning; interpersonal and family relationships; career development and retirement; mental and physical health; death and bereavement; and coping with the process of aging.

Social

SOP 3004. Social Psychology (3). This course involves the scientific study of how people think about, influence, and relate to one another. Subjects include individual, cultural, behavioral, and biological levels of analysis. Completion of PSY 2012 is recommended prior to this course.

SOP 3742. Psychology of Women (3). Prerequisite: PSY 2012. This course is a systematic study of research and theories about gender, including psychological differences and similarities between sexes.

SOP 3751. Psychology and the Law (3). Prerequisite: PSY 2012. This course is an examination of the interface between psychology and legal issues. Research on judges, juries, defendants, and police are among topics covered, as well as the role of psychologists in the legal system.

SOP 3782. Psychology of the African-American (3). Prerequisite: PSY 2012. This course is a critical examination of the psychocultural forces that shape and determine the unique behavior of African-Americans.

SOP 4214. Experimental Social Psychology (3). Prerequisites: PSY 2012 and SOP 3004. This course covers in-depth analysis of several central areas of social psychology with an emphasis on designing and carrying out research in these areas.

SOP 4722. Prejudice and Stereotyping (3). Prerequisites: PSY 2012 and SOP 3004. This course explores the nature of prejudice and stereotyping in our society using a social psychological perspective.

Behavioral-Performance Management

EAB 3703. Applied Behavior Analysis (3). This course introduces the basic principles of behavior and exposes students to settings where techniques based on learning theory can be used therapeutically.

INP 3303. Business Psychology (3). Prerequisite: PSY 2012. This course focuses on topics such as vocational selection, psychological principles of supervision and leadership, emotional problems of employees, selling, and advertising.

INP 3313. Behavior Analysis in Business and Industry (3). Prerequisites: EAB 3703, EXP 3422C, and PSY 2012. This course examines behavior principles as they are applied in business, industry, and government.

INP 4314. Advanced Topics in Performance Management (4). Prerequisites: INP 3313 and instructor permission. This course focuses on the implementation and analysis of performance management principles via a project carried out in a business setting; motivation, compensation, and systems issues in performance technology.

Multiple Areas

ISC 3076. Science, Technology, and Society (3). This course examines interrelations among science, technology, and society. Science is considered as an enterprise in modern society that produces technological advances and new perspectives on reality. Enrollment is open to students who have attained at least junior standing or by instructor permission.

PSY 3949r. Cooperative Education Work Experience (0). (S/U grade only.) This non-credit experiential learning course offers students an opportunity to gain "real world" on-the-job work experience related to a specific academic field of study. Students must register for this course through the FSU Career Center.

PSY 4039r. Honors Work (1-6). May be repeated to a maximum of nine semester hours.

PSY 4911r-4914r. Directed Individual Study (one to three hours each.) (S/U grade only.) Prerequisite: Instructor permission. This course is a study on a selected topic as designated by the student and the directing professor. Each course may be repeated to a maximum of three semester hours.

PSY 4915r. Honors Advanced Research Topics (1-3). Prerequisites: PSY 2012, acceptance into the University Honors Program, instructor permission. This course involves participation in a research project on a selected topic as designated by the directing professor. Participation includes more advanced work than PSY 4920 and a written product, the nature of which is detailed in a written contract between professor and student.

PSY 4920r. Research Topics (1-3). (S/U grade only.) Prerequisite: Instructor permission. This course consists of participation in a group research project on a selected topic as designated by the directing professor. May be repeated to a maximum of eighteen semester hours, with a maximum of six hours repeatable in a given semester.

PSY 4930r. Special Topics in Psychology (3). Prerequisite: PSY 2012. Topics vary. May be repeated to a maximum of twenty-four semester hours. May be repeated within the same semester.

PSY 4970r. Honors Seminar (1). (S/U grade only.) Prerequisites: 3.2 overall GPA and 3.5 Psychology GPA. This course provides exposure to state-of-the-art research of psychology faculty to increase breadth in the discipline and to help select a thesis topic and research mentor. May be repeated to a maximum of four semester hours.

SCE 4939r. Seminar in Contemporary Science, Mathematics and Science Education (1). This course includes presentations of contemporary and interesting issues in science, mathematics, or academic methods. Content varies from semester to semester. May be repeated to a maximum of four semester hours.

Graduate Courses

General

PSY 5605. History and Systems of Psychology (3).

PSY 6945. Teaching Psychology Practicum (3).

Applied Behavior Analysis

EAB 5700. Basic Principles of Behavior (3).

EAB 5701. Basic Methods of Applied Behavior Analysis (3).

EAB 5710. Behavioral Analysis in Developmental Disabilities and Autism (3).

EAB 5711. Behavioral Analysis in Mental Health and Aging (3).

EAB 5721. Behavioral Analysis in Education and Performance Management (3).

EAB 5780. Ethical and Professional Issues in Applied Behavior Analysis (3).

EAB 5796. Research Methods in Applied Behavior Analysis (3).

EAB 5940. Applied Behavioral Analysis Practicum (3). (S/U grade only.)

EAB 5941. Applied Behavioral Analysis Practicum (3). (S/U grade only.)

EAB 5942. Applied Behavioral Analysis Practicum (3). (S/U grade only.)

EAB 6130r. Seminar on Skinner's Theory of Behaviorism (3).

Clinical: Personality

CLP 5189. Diversity in Individuals and Cultures: Issues for Clinical Psychology (3).

CLP 5196. Techniques of Behavioral Change (3).

CLP 5375. Research Design and Methods in Clinical Psychology (3).

CLP 5475. Child Development and Psychopathology (3).

CLP 5624. Ethics and Standards of Professional Practice (3). (S/U grade only.)

CLP 5941r. Psychology Clinic Practicum (1-3). (S/U grade only.)

CLP 5942r. Clinical Practicum: Psychological Evaluation (1-3). (S/U grade only.)

CLP 6169. Adult Development and Psychopathology (3).

CLP 6349r. Seminar in Clinical Theory (3).

CLP 6920r. Current Issues in Clinical Psychology (1). (S/U grade only.)

CLP 6944r. Clinical Practicum: Change of Behavior (1-3). (S/U grade only.)

CLP 6947r. Clinical Practicum: Change of Behavior (1-3). (S/U grade only.)

PSY 5325. Assessment I (3).

PSY 6940r. External Placement Practicum (1-6). (S/U grade only.)

PSY 6948r. Psychology Internship (1-9). (S/U grade only.)

Human Learning and Cognition

EXP 5508. Cognition and Perception (3).

EXP 5642. Psychology of Language (3).

EXP 6609r. Seminar in Higher Mental Processes (3).

EXP 6920r. Issues in Cognitive Science (1). (S/U grade only.)

Life-Span Development

DEP 5165. Developmental Psychology (3).

Psychobiology/Neuroscience

EXP 5406. Neurobiology of Learning and Memory (3).

EXP 5717. Animal Psychophysics (3).

PCB 5845. Cell and Molecular Neuroscience (4).

PSB 5056. Biological Psychology (3).

PSB 5057. Neuroscience Methods: Molecules to Behavior (2).

PSB 5077. Responsible Conduct of Research (2).

PSB 5230C. Vertebrate Neuroanatomy (4).

PSB 5341. Systems and Behavioral Neuroscience (3).

PSB 5347. Neuropharmacology (3).

- PSB 6059r. Seminar in Physiological Psychology (3).
 PSB 6070r. Current Problems in Neuroscience (2). (S/U grade only.)
 PSB 6920r. Neuroscience Colloquium (1). (S/U grade only.)
 PSB 6933r. Seminar in Neuroscience (1–2).

Social

- SOP 5069. Personality and Social Psychology (3).
 SOP 6920r. Current Issues in Social Psychology (1). (S/U grade only.)
 SOP 6939r. Seminar in Social Psychology (3).

Multiple Area Courses

- PSY 5908r. Directed Individual Study (1–3). (S/U grade only.)
 PSY 5916r. Selected Research Topics (3).
 PSY 5917r. Supervised Research (1–5). (S/U grade only.)
 PSY 5947r. Supervised Teaching (1–5). (S/U grade only.)
 PSY 6919r. Seminar in Current Research Topics (1–3).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Reubin O' D. Askew School of PUBLIC ADMINISTRATION AND POLICY

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY

Web Page: <http://askew.fsu.edu/>

Director: William Earle Klay; **Professors:** Askew, Berry, Bowman, Bradley, deHaven-Smith, Feiock, Klay, Reid; **Associate Professors:** Brower, K. Lee, Yang; **Assistant Professor:** Matkin; **Professor of Practice and Senior Executive in Residence:** R. Lee; **Visiting Professors and Adjunct Faculty:** Banner, Dilling, Farmer, Gleason, Heffron-Casserleigh, Long, Otte, Moore, Murdaugh, Smith, Stansbury, Tipton, Williams; **Professors Emeriti:** Chackerian, Grizzle, Sherwood, Waldby

The Reubin O'D. Askew School of Public Administration and Policy is one of the most highly ranked schools of its type in the nation. The school does not offer a major to undergraduate students, but it does offer a minor as well as a concentration in the interdisciplinary program in social science (ISS). The school also offers a five-year bachelor's/professional master's degree program. Qualified undergraduate students in any major may begin graduate studies in the professional Master of Public Administration (MPA) degree and apply those credits toward their bachelor's degree as well.

Combined BA or BS and Master of Public Administration (MPA) Degree Program

Qualified students in any undergraduate major may use up to twelve hours of free electives to take graduate courses in public administration that will count for completion of both the bachelor's degree and the professional MPA degree. Completion of graduate courses through the combined program will also count for completion of an undergraduate minor in public administration. Qualified undergraduates who take public administration courses to satisfy major requirements in the bachelor's degree programs in either political science or interdisciplinary social science may take up to twelve hours of graduate credit that will be counted for completion of both their bachelor's degree major and the MPA degree. In addition, undergraduate students who take the *PAD 3941 Public Service Internship* course may waive the graduate internship course requirement. Normally, for inexperienced students, completion of the MPA degree requires completion of forty-five graduate credit hours following receipt of a bachelor's degree. Students in the combined degree program who complete twelve graduate credits and an undergraduate internship prior to receipt of their bachelor's degree will only need to complete thirty additional graduate credits to receive the MPA degree. For more information, refer to the *Graduate Bulletin* and the Askew School's Web site at <http://askew.fsu.edu/>.

Acceptance to this pre-graduate program is competitive. Applications will only be considered from undergraduates who are entering their senior year, or who are honor students with junior status, and who have a cumulative undergraduate grade point average of at least 3.2 in all prior studies at FSU. Application forms are to be submitted to the school's academic program coordinator. Accepted undergraduates may then enroll for up to twelve hours in courses that are either core or elective courses in the MPA program. Students accepted to the pre-graduate program should subsequently make formal application for admission to the graduate school during their senior year.

Requirements for a Minor and Undergraduate Certificates in Public Administration

A minor in public administration is available to students in all majors except political science, where undergraduate courses in public administration are applied directly to the political science major. For other students, the minor in public administration consists of four courses, totaling twelve semester hours passed with a grade of "C" or better. One of the following Department of Political Science courses may be substituted: state politics, urban politics, Florida government and the American presidency. Courses should be approved by the school in consultation with the student.

Topics in regularly scheduled undergraduate classes include:

- Administrative law
- American public service
- Budgets and finances in managing public affairs
- Civic and non-profit management
- Local government administration
- Emergency management
- Public administration in American society
- Selected topics in public administration

The school, upon application from the student, recognizes successful completion of requirements for the undergraduate minor with an undergraduate

Certificate in Public Administration. If approved by the school, some transfer credits may be accepted. The certificate credential is not intended as a diploma or degree. It is recommended that the student check with the school to be sure courses taken will apply to the certificate.

The school offers an undergraduate Certificate in Emergency Management and Homeland Security. Courses in emergency management are foundational courses for careers in emergency management and are useful for students entering careers in the management of business, government, and non-profit organizations.

Both degree-seeking and non-degree students are eligible for the undergraduate certificates. Please contact the school for further details.

Graduate Programs

Graduate study provides professional preparation for careers in government, higher education, private consulting, and in non-profit organizations, and can be pursued in several ways. The school offers two graduate degree programs: the fully-accredited Master of Public Administration (MPA), and the Doctor of Philosophy (PhD) in public administration. The MPA program prepares students for professional management and policy roles in a variety of public sector and nonprofit environments. The doctorate is a research degree designed to prepare students for college and university teaching, advanced research, and advanced administrative practice.

The school also offers dual degrees with the College of Law (MPA/JD), the College of Social Work (MPA/MSW), the College of Criminology and Criminal Justice (MPA/MS), and the Department of Urban and Regional Planning (MPA/MSP). Consult the *Graduate Bulletin* for details of the programs and courses offered.

Public administration courses often serve well as an area of specialization within other degree programs. The study of public administration adds a dimension to career competencies, enhancing the student's career mobility, flexibility, and opportunities.

Additional information (such as handbooks and syllabi) is available on the Askew School's Web site at <http://askew.fsu.edu>.

Definition of Prefixes

PAD—Public Administration

POS—Political Science

Undergraduate Courses

PAD 3003. Public Administration in American Society (3). A general introductory course in public administration. Management of large-scale government bureaucracies including organization, career systems, and financing. The role of bureaucracies in modern society in the formulation and implementation of public policy.

PAD 3013. Futures Studies (3). This course applies futures studies perspectives and methods to the study of societal trends and conditions. Emphasis is on the development of anticipatory public policy.

PAD 3931r. Selected Topics in Public Administration (1–6). Varying topics. Contact school. May be repeated to a maximum of nine semester hours.

PAD 3941r. Public Service Internship (3–6). (S/U grade only.) Prerequisite: PAD 3003 or equivalent. Participant observation of the administration of policy in public service organizations. Internship with faculty supervision, on-campus seminars, discussion papers. May be repeated to a maximum of six semester hours.

PAD 4223. Budgets and Finances in Managing Public Affairs (3). Concepts and practices in budgeting and financial processes such as planning, goal setting, and implementation.

PAD 4332. Strategic Leadership for Communities (3). This course will teach the principles and skills of strategically managing agencies and communities. Strategic planning, community visioning, and organizational assessments will be covered. Managerial leadership roles and responsibilities in organizing community planning and change also will be covered.

PAD 4372. Leadership and Communication in Emergency Management (3). This course is designed to introduce students to the fundamental concepts, theories, principles, and practices of public information and communication in a risk environment as well as effective leadership principles in an emergency management shared power context.

PAD 4374. Introduction to Terrorism: Preparedness and Response (3). This course introduces students to the fundamental concepts, theories, principles, and practices of terrorism and terrorist events.

PAD 4375. Advanced Topics in Terrorism (3). Prerequisite: PAD 4374. This course reviews the contemporary evolution of terrorism and the current direction of global terrorism with regards to domestic policies and programs.

PAD 4391. Foundations in Emergency Management (3). This course is designed to introduce students to the fundamental concepts, theories, principles, and practices of emergency management.

PAD 4393. Emergency Management Programs, Planning, and Policy (3). This course examines functional demands that emergency managers should be aware of in crafting emergency management programs. Students investigate how public policy choices impact emergency planning and the consequences of a disaster event.

PAD 4395. Disaster Systems (3). Prerequisite: PAD 4391. This course introduces students to the fundamental concepts, theories, principles, and practices of the role of Incident Command (ICS) as an organizational structure, Emergency Operations Centers (EOC) in coordinating response and recovery to crises, and information and knowledge management systems that support disaster management.

PAD 4414. American Public Service (3). Structure and political role of the civil service, evolution of government employment, current personnel policies, rights and responsibilities of public servants, and labor management relations. The impact of the public service on American society is explored.

PAD 4456. Quality Management Systems (3). Addresses the theory, design, and implementation of quality management systems in public organizations compared to that in other sectors of the economy. Examines the need for and origins of quality management philosophies, techniques, transition strategies, case studies, and future scenarios.

PAD 4603. Administrative Law (3). Study of the constitutions, statutes, executive orders, and procedures that control the administrative authorities of government. (Also offered by the Department of Political Science.)

PAD 4606. American Legal Systems (3). This course is an overview of American legal systems. Topics include the interrelationships between law and social sciences, the nature of legal systems, how to read and analyze a court case, and interpret statutes, and analysis of important legal controversies.

PAD 4712. Information Resource and Communication Management (3). This course in communications, information resource management, and information technologies is aimed at administrators in the public and not-for-profit sectors. It deals with the basics of information technologies, organizational and other communications or information exchange networks; the interaction of government and non-profits with clients, citizens, other agencies or institutions; and the virtual state.

PAD 4803. Local Government Administration (3). An introduction to administrative problems and processes in municipal, county, and special district governments.

PAD 4833. International and Comparative Disaster Management (3). This course discusses practical and theoretical issues associated with international disaster management. Risk, hazards, and disasters are addressed from a global perspective with particular emphasis placed on the differences in key issues between developing and developed countries.

PAD 4905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve semester hours.

PAD 4936r. Special Topics in Public Administration (3). Topics will vary. May be repeated to a maximum of nine semester hours.

POS 4413. The American Presidency (3). The roles of the American president, especially their relationship to government administration. (Also offered by the Department of Political Science.)

Graduate Courses

PAD 5035. Policy Development and Administration (3).

PAD 5041. Public Service Ethics (3).

PAD 5050. The Profession of Public Administration (3).

PAD 5106. Public Organizations (3).

PAD 5227. Managing Public Financial Resources (3).

PAD 5275. Political Economy of Public Administration (3).

PAD 5327. Public Program Evaluation (3).

PAD 5335. Strategic Leadership for Communities (3).

PAD 5373. Leadership and Communication in Emergency Management (3).

PAD 5376. Introduction to Terrorism: Preparedness Response (3).

PAD 5377. Advanced Topics in Terrorism (3).

PAD 5378. Disaster Systems (3).

PAD 5397. Fundamentals of Emergency Management (3).

PAD 5398. Emergency Management Programs, Planning, and Policy (3).

PAD 5417. Human Resource Management (3).

PAD 5419. Issues in Human Resource Management (3).

PAD 5427. Public Labor Relations (3).

PAD 5457. Quality Management Systems (3).

PAD 5605. Administrative Law (3).

PAD 5700. Research Design (3).

PAD 5700L. Research Design Laboratory (0). (S/U grade only.)

PAD 5701. Quantitative Analysis in Public Administration (3).

PAD 5701L. Quantitative Analysis in Public Administration Laboratory (0). (S/U grade only.)

PAD 5710. Information Resource and Communication Management (3).

PAD 5826. Intergovernmental Management and Relations (3).

PAD 5835. International and Comparative Disaster Management (3).

PAD 5846. Health Policy and Public Administration (3).

PAD 5859. Managing Public Procurement (3).

PAD 5907r. Directed Individual Study (1–3). (S/U grade only.)

PAD 5946. Public Service Internship (3). (S/U grade only.)

PAD 5948r. Supervised Teaching (1–5). (S/U grade only.)

PAD 6054. Intellectual History and Future of Public Administration (3).

PAD 6075. Advanced Administrative Theory (3).

- PAD 6102. Administrative Behavior in Public Organizations (3).
 PAD 6103. Cultural Analysis and Organizations (3).
 PAD 6107. Seminar: Public Organizational Development (3).
 PAD 6108. Institutions, Policy, and Management (3).
 PAD 6109. Institutions and Society (3).
 PAD 6115. The Executive (3).
 PAD 6136. Seminar: Management Studies in Government (3).
 PAD 6207. Financial Resources Administration (3).
 PAD 6226. Public Budgeting Simulation and Issues (3).
 PAD 6300. Governmental Administration in Florida (3).
 PAD 6418. Seminar: Human Resource Management (3).
 PAD 6705. Analytic Techniques for Public Administrators (3).
 PAD 6707. Logics of Inquiry (3).
 PAD 6908. Action Report (3).
 PAD 6915r. Supervised Research (1–5). (S/U grade only).
 PAD 6930r. Professional Topics in Public Administration (0). (S/U grade only).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

PUBLIC RELATIONS:
see Communication

PURCHASING/MATERIALS MANAGEMENT:
see Management Information Systems

RADIO/TELEVISION:
see Communication

READING EDUCATION AND LANGUAGE ARTS:
see Childhood Education, Reading, and Disability Services;
Middle and Secondary Education

REAL ESTATE:
see Risk Management/Insurance and Real Estate and Legal
Studies

REHABILITATION SERVICES:
see Childhood Education, Reading, and Disability Services

Program in PUBLIC SAFETY AND SECURITY

COLLEGE OF APPLIED STUDIES

Web Page: <http://appliedstudies.pc.fsu.edu/Academics/Public-Safety-and-Security>
Program Coordinators: Tom Kelley, Dale Nute; **Associates In:** Pelham, Zinzer; **Assistant In:** Feulner

Public Safety and Security combines disciplines within both social science and physical science to address problems presented by criminal behavior. The Public Safety and Security BS degree prepares students to practice within most of the public safety and security professions.

The Public Safety and Security degree integrates practical exercises, both analytic and hands-on, with theoretical principles to provide students with the knowledge, skills, and abilities required by the competencies for law enforcement, security, intelligence, and investigations. The guiding perspective of public safety is as an operational spectrum from prevention to response to investigation, under laid with intelligence, connected by a management information system, all facilitated by an overarching management system. The core and required courses are designed to provide students with an overview of this entire spectrum and also the opportunity to focus on operating within a portion of the system.

An undergraduate degree in Public Safety and Security offers broad preparation for positions in law enforcement, public and private security, Department of Homeland Security agencies, the intelligence services, community and residential corrections, court services, probation and parole, and may serve as a foundation for law school or graduate school.

Advising

Florida State University Panama City provides academic advising to students interested in pursuing coursework in Public Safety and Security. For more information, please contact Angie Sexton by e-mail at asexton@pc.fsu.edu or by phone at (850) 770-2178.

Admissions

All students must meet the University-wide baccalaureate degree requirements summarized in the "Undergraduate Degree Requirements" chapter of this *General Bulletin*. In order to enroll in the College of Applied Studies, an undergraduate must be certified by the Division of Undergraduate Studies or be a transfer student with fifty-two or more semester hours of accepted credit. CLAS completion (or exemption) and foreign language completion (or exemption) are also required. Under certain circumstances, students may be admitted without these, but will be required to complete both while enrolled in the program in addition to other program requirements. In addition, there are three alternative criteria for admission to the program.

1. Completion of an AS degree in Criminal Justice, Emergency Administration and Management (Homeland Security), or Crime Scene Technology from a Florida public college. The AS degree shall include forty-six hours in professional core requirements and eighteen semester hours of transferable coursework that meets Florida's general education requirements for a total of sixty-four semester hours with a minimum cumulative grade point average of 2.0 on a 4.0 scale. The extra hours for the AS degree are prescribed by the SBE for articulation from an AS in Criminal Justice Technology to BS in Criminal Justice.
2. Completion of an AA degree from a Florida public college with a minimum cumulative grade point average of 2.0 on a 4.0 scale. The AA degree shall include the completion of the Florida State general education requirements.
3. Transfer students from a regionally accredited postsecondary institution who have sixty or more semester hours of transferable credit. Transfer students must have a minimum grade point average of 2.5. These students must complete the Florida State University general education requirements while enrolled in this program.

Transcripts for students entering with more than the specified hours for the AS or AA will be evaluated for whether any of the hours are applicable to the degree. Hours applicable will be subtracted from the nominal sixty-six (AS) or sixty (AA or transfer) required to a maximum of fifteen hours of underclass hours. Transcripts for transfer students will be evaluated in a similar fashion and some upper-level hours may be accepted to a maximum of thirty hours because the last thirty hours must be taken at FSU. Hours not applicable to the Public Safety and Security degree will not be transferred to avoid a possibility of a student incurring an excess hours charge.

Students applying for admission to either the Public Safety and Security programs or the Underwater Crime Scene Investigation Certificate must apply through Florida State University's Panama City Office of Admissions and Records online at <http://pc.fsu.edu/QUICK-LINKS/News/Apply-Now>.

Academic Performance and Retention

A grade of "C–" or above is required for credit in all core courses. A student who accumulates more than four unsatisfactory grades (U, F, D–, D, D+) in courses taken for college credit at FSU or elsewhere after admission to the program, whether repeated or not, will not be permitted to continue or graduate as a major in the College.

Degree Requirements

General graduation requirements include:

A minimum cumulative grade point average of 2.0 on a 4.0 scale in all work attempted.

Completion of the Composition and Mathematics requirements.

Completion of the Oral Competency, Computer Skills Competency, and Multicultural course requirements.

Satisfaction of the state of Florida's foreign language requirement.

Credit hours required to satisfy this requirement are in addition to the sixty-six (Post AS) or sixty (Post AA) required.

Completion of at least twenty-seven of the Public Safety and Security credit hours at FSU; completion of forty-five hours at the 3000/4000 level; and, completion of the last thirty hours for the degree at FSU.

Additional graduation requirements will depend on whether the student was admitted as an AS to BS student, as an AA transfer student from a Florida public college, or as a non-Florida AA transfer student. The six extra hours for the AS to BS degree are prescribed by the SBE for articulation from an AS in Criminal Justice Technology to BS in Criminal Justice.

Admitted to the articulated AS to BS program – one hundred thirty total hours are required with sixty-six hours beyond the specified AS degree requirements. The ten total extra hours for the AS to BS degree (four extra for AS and six extra for BS) are prescribed by the SBE for articulation from an AS in Criminal Justice Technology to BS in Criminal Justice. The post AS credit hours are to be distributed as follows:

Forty-eight credit hours in Public Safety and Security with specific requirements of:

Eighteen hours in core courses, taken at FSU, and completed with a "C" or better,

Twenty-seven hours in restricted electives,

Three hour integrated capstone course,

Eighteen hours in liberal studies to complete the thirty-six hour general education requirement.

Admitted with an AA from a Florida public college – one hundred twenty total hours are required. The post-AA credit hours are to be distributed as follows:

Forty-eight credit hours in Public Safety and Security with specific requirements of:

Eighteen hours in core courses completed with a "C" or better,

Twenty-seven hours in restricted electives and/or required major courses,

Three hour integrated capstone course,

Twelve hours in a minor or elective hours approved by the College.

Admitted as a transfer student – one hundred twenty total hours are required. The remaining hours are to be distributed as follows:

Forty-eight credit hours in Public Safety and Security with specific requirements of:

Eighteen hours in core courses completed with a "C" or better,

Twenty-seven hours in restricted electives and/or required major courses,

Three hour integrated capstone course,

Twelve hours in a minor or elective hours approved by the College.

In addition, transfer students must complete FSU's general education requirements, either as part of the twelve hours of unrestricted electives or in addition to them.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer skills

vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in public safety and security satisfy this requirement by earning a grade of "C–" or higher in CGS 2060 or CGS 2100.

Internships

A variety of internships are available at the local, state, and federal levels. Students can choose from the fields of law enforcement, courts, corrections, criminal justice planning, criminological research, and private sector opportunities. Internships are available for juniors and seniors who have completed the core courses and have satisfied the CLAS requirement. The intern receives a satisfactory/unsatisfactory (S/U) grade, and full credit is given upon successful completion of both the academic component and work hours.

Students are advised that information pertaining to all matters of public record, such as arrests and convictions, may be required by the agencies accepting interns. Although a reasonable effort is made to place a student in an internship, FSU Panama City will not be liable if a student cannot be placed. Students are responsible for all living and transportation expenses during internship experiences.

Certificates

The College of Applied Studies, Public Safety and Security, offers an Underwater Crime Scene Investigation (UCSI) Certificate that may be earned independently or as part of a bachelor's or master's degree. For more information, visit <http://www.pc.fsu.edu/Academics/Certificate-Programs/Underwater-Crime-Scene-Investigation-Certificate-Program> or contact Dr. Tom Kelley by e-mail at tkelley@pc.fsu.edu.

Student Honor Society

Garnet Key Honor Society of the Panama City campus, founded in 1986, recognizes students primarily for service and scholarship, but also for spirit and leadership. Activities are generally service projects and functions for the Panama City campus. Applicants must have completed fifteen semester hours at that campus with a GPA of 3.5 or higher. For more information, contact Cristina Rios by e-mail at crios@pc.fsu.edu.

Student Activities

The **Scuba, Hyperbaric, and Recreational Club (SHARC) Dive Club** was established to coordinate and facilitate SCUBA training due to FSU Panama City student interest in scientific and recreational diving. Membership is open to all regardless of certification status. Certified divers that are members have access to club resources such as regulators, dive lights, and buoyancy compensators. For more information, contact Jerome Fleeman by e-mail at sharcfsupc@gmail.com, contact the FSU Panama City Dive Locker at (850) 770-2206, or visit the club's Web site at <http://pc.fsu.edu/QUICK-LINKS/Current-Students/Student-Organizations/SharC>.

Definition of Prefixes

CCJ—Criminology and Criminal Justice

CJC—Corrections

CJE—Law Enforcement

CJJ—Juvenile Justice

DSC—Domestic Security

ISC—Interdisciplinary Sciences

Undergraduate Courses

CCJ 3024. The Criminal Justice System (3). This course provides an advanced overview of principles and practical applications of criminal law, criminal procedure, and criminological theory. Special emphasis is placed on how the components of the criminal justice system: the prosecutorial and defense function, the judiciary, and the field of corrections are synthesized into a functioning process of public safety and security.

CCJ 3032. Crime in Media (3). This course provides students with an understanding of the impact of the media on crime, criminals, the criminal justice system, and the general public. The focus of this course is the historical impact of media and its influences on the outcomes of both routine and sensational cases within the American criminal justice system and how media reporting affects the policy making processes and the social definitions of crime.

CCJ 3484. Ethics in Policing and Intelligence (3). This course explores ethics for both the criminal justice system and intelligence professionals. It compares and contrasts the differing roles ethics plays in policing and intelligence communities. The course probes significant past and current events to illuminate issues relevant to ethics in intelligence and policing.

CCJ 3612. Behavioral Science in Criminal Justice (3). This course introduces the major issues, influences, and trends considered in the behavioral analysis of criminal and delinquent activity. Course material includes explanation and analysis of theory as it applies to human behavior. A theoretical tool is offered as a method of understanding the interaction of the individual with the environment.

CCJ 3651 Drugs and Crime (3). This course provides students with a broad introduction to both illicit and licit drug usage and their impact on the justice system. Drugs and behavior are examined from various perspectives including historical, criminal justice, sociological, and biological perspectives. Emphasis is placed on analyzing the logic of the discourse surrounding drug policy by the opposing advocates.

CCJ 3661. Terrorism and Violence (3). This course provides a critical examination and analysis of major issues, definitions, and controversies associated with the development of terrorism in the modern world. Historical, religious, psychological, and sociological aspects that explain terrorism are covered, along with the characteristics means and methods of terrorist groups.

CCJ 3678. Policing Diversity: Race, Gender, Religion, and Crime (3). This course provides students with a theoretical and practical foundation for addressing issues of diversity as public safety and security practitioners. Focus is on an analysis of current local, regional, and national demographics regarding the impact of race, ethnicity, gender, and religion in criminal justice as both producers and victims for crime. Students explore some of the various strategies municipalities have implemented to better serve diverse populations such as policies, laws, and procedures.

CCJ 4710. Applied Probability for Research and Investigation (3). Prerequisite: CCJ 4744. This course explores how probability and statistics underlie the decisions of researchers and investigators and how to evaluate the expression of probabilistic and statistical information being used to support such decisions. It provides an overview of types of quantitative data products concentrating on their interpretation and application. Techniques for combining multiple forms of evidence to achieve proof are examined.

CCJ 4744. Evidential Reasoning for Research and Investigation (3). This course introduces the formal and informal approaches for making decisions on information that is uncertain and from diverse sources. Techniques are examined for collecting and using both qualitative and quantitative data to draw inferences about public safety and security programs and investigations.

CJC 3311. Corrections: Practices and Perspectives (3). This course introduces the major issues concerning the history, law, practices, and perspectives in American Corrections. Students examine the interaction of correctional perspectives and practices, their consequences, and policies being advocated to change them.

CJE 3065. Police and Society (3). This course provides an advanced comprehensive overview of the foundations of policing in modern American society. Emphasis is on the functions of law enforcement and its interaction with a democratic society.

CJE 3612. Interview and Interrogation (3). Prerequisite: CJE 4611. This course provides both a theoretical and practical introduction to collecting reliable information via interviewing and interrogation for use in criminal justice and corporate investigations. Students examine and evaluate the key concepts of differential techniques of interviewing and interrogation, explanations of behavioral symptom analysis, principles of kinesics, aspects of verbalizations, explanation of legal constraints on confessions, the production of evidence indicating deception and malingered, and management aspects of the interview.

CJE 3732. Criminal Intelligence (3). This course focuses on the production of intelligence from the analysis of multiple and diverse sources of information and on its use by formal and informal intelligence agencies. Emphasis is placed on the role of local public safety and security personnel and organizations as both producers and consumers of intelligence and on their relationship to the formal intelligence agencies.

CJE 3761. Introduction to Underwater Investigation (3). This course presents the history and principles of basic oceanography, physics, and physiology as they relate to exposure to compressed gas environments and how to deduce safe parameters from those principles. This course provides the theoretical foundation for individuals preparing to be scientific investigators underwater.

CJE 3761L. Introduction to Underwater Investigation Laboratory (1). Corequisite: CJE 3761. This laboratory course presents the principles and practice of compressed-gas as a life-support system for underwater hyperbaric exposure. This course is designed to develop proficiency in the basic skills required to perform safe underwater investigations, including recording observations and conducting underwater environmental surveys. Additional equipment fee required.

CJE 4410. Community Policing (3). This course introduces students to the dynamics of community policing from both a theoretical and practical perspective. Emphasis is on both understanding the origins of community policing and practical application through the use of problem solving and partnership strategies.

CJE 4611. Criminal Investigation: Theory and Practice (3). This course gives the student an opportunity to explore and understand investigative facets of law enforcement service delivery. The students focus on the historical relevance of the investigative process, the evolution of investigation, the procedural guidelines for effective investigations, and the mechanics of the modern day investigative process.

CJE 4615. Conduct of Investigation (3). Prerequisite: CJE 4611. This course builds on the Criminal Investigations: Theory and Practice course to provide students the practice in applying investigative procedures within legal constraints; the use of specialized documentation and analyses required in the investigation of injury and death, crimes against persons and property; and the combination of evidence from crime scenes, medical-legal examinations, records, and interviews to produce legal proof and articulate its reliability.

CJE 4710. Public Safety and Security Capstone (3). This course focuses on the integration of knowledge, skills, and capabilities learned in the program through a capstone project.

CJE 4733. The Intelligence Process (3). Prerequisites: CJE 3732, MAC 1105, and CCJ 4710 or STA 2023 or STA 2122. This course covers a number of structured analytic techniques that provide an objective approach to conducting the intelligence process. The techniques presented in this course are used to process all-source intelligence which is applicable to law enforcement intelligence, counterterrorism, tactical military, and competitive intelligence analysis.

CJE 4734. Intelligence Collection Strategies (3). Prerequisites: CJE 3732 and STA 2023. This course examines the formal intelligence collection process with emphases on Open Source and Human Intelligence. Students become familiar with the process, developing comprehensive strategies for the production of intelligence by satisfying levied requirements using a variety of intelligence sources available to local public safety and security personnel.

CJE 4762. Forensic Science in Investigation (3). This course combines various theories of the conduct of crime with knowledge of how physical evidence is produced during the commission of a crime to produce information that enables the investigation and prosecution of criminal activity. The course emphasizes decision-making in forensic science examinations and evaluation of their reliability.

CJE 4762L. Forensic Science in Investigation Laboratory (2). Corequisite: CJE 4762. This laboratory applies various techniques for the examination of physical materials generated during the commission of a crime in order to produce information required to detect and investigate criminal activity. This laboratory emphasizes implementation of protocols and the calculation of error rates. Additional equipment fee required.

CJE 4763. Scientific Underwater Investigation (3). Prerequisite: CJE 3761. This course builds upon the Introduction to Underwater Investigation course by providing the technology to collect data in an underwater environment according to the scientific method. The course delineates the similarities and differences of investigative techniques used in forensic science and other science disciplines that function underwater.

CJE 4763L. Scientific Underwater Investigation Laboratory (1). Prerequisite: CJE 3761L. Corequisite: CJE 4763. This laboratory builds upon the Introduction to Underwater Investigation Laboratory course by providing the tools and techniques to collect data in an underwater environment for prolonged periods of time. The underwater data collection techniques use traditional underwater technology adapted from forensic science and various other scientific disciplines. Additional equipment fee required.

CJE 4764. Underwater Crime Scene Methodology (3). Prerequisites: CJE 4762 and CJE 4763. This course synthesizes the various theories for the conduct of crime with the knowledge of how physical evidence is produced during the commission of a crime on or under the water in order to produce information that enables the investigation and prosecution of criminal activity.

CJE 4764L. Underwater Crime Scene Methodology Laboratory (1). Prerequisites: CJE 4762 and CJE 4763. Corequisite: CJE 4764. This laboratory applies various techniques for the examination of physical materials generated during the commission of a crime on or under the water in order to produce information that enables the investigation and prosecution of criminal activity. Additional equipment fee required.

CJE 4765. Underwater Crime Scene Investigation (3). Prerequisite: CJE 4764. This course combines the various analytical underwater examinations into a holistic investigation process designed to locate and detect persons and physical evidence involved in, or victims of, crimes in or on the water. Emphasis is placed on the theory of the technology and the scientific decision-making required for its optimum application.

CJE 4765L. Underwater Crime Scene Investigation Laboratory (1). Prerequisite: CJE 4764L. Corequisite: CJE 4765. This laboratory course applies methodology based on advanced technology to enhance the location and detection of physical evidence used, or intended for use, in the commission of underwater crimes. Emphasis is placed on the use of the Incident Command System and the UCSI Process for management of a crime scene investigation. Additional equipment fee required.

CJJ 3013. Youth Culture and Crime (3). This course explores the unique characteristics of juvenile offending and victimization by examining the cultural traits that differentiate youths from society in general. In doing so, the class investigates various distinct subcultures globally and the relationship between specific forms of offending and sub-cultural traits.

DSO 3013. Homeland Security and Criminal Justice (3). This is an introductory course covering the relationship of homeland security and criminal justice agencies as it impacts public safety and security. Students are introduced to salient issues regarding the interconnection of the homeland security mission and the roles of criminal justice agencies at the local, state, and federal levels in dealing with both terrorist threats and with natural and man-made disasters.

ISC 4930r. Special Topics in Applied Studies (3). This course allows for special topics in Interdisciplinary Studies to be taught, focusing on Applied Methods and Theory, specific to the concept of Applied Studies and Science, Technology, Engineering and Mathematics. May be repeated to a maximum of twelve semester hours. May be repeated within the same semester.

Graduate Courses

- CJE 5225.** Introduction to Forensic Entomology (3).
- CJE 5226.** Forensic Entomology Field Collection Techniques (3).
- CJE 5766.** Forensic Science in Investigation (3).
- CJE 5766L.** Forensic Science in Investigation Laboratory (2).
- CJE 5767.** Scientific Underwater Investigation (3).
- CJE 5767L.** Scientific Underwater Investigation Laboratory (1).
- CJE 5768.** Underwater Crime Scene Methodology (3).
- CJE 5768L.** Underwater Crime Scene Methodology Laboratory (1).
- CJE 5769.** Underwater Crime Scene Investigation (3).
- CJE 5769L.** Underwater Crime Scene Investigation Laboratory (1).

Program in RECREATION, TOURISM AND EVENTS

COLLEGE OF APPLIED STUDIES

Web Page: <http://appliedstudies.pc.fsu.edu/Academics/Recreation-Tourism-and-Events>

Program Coordinator: John Crossley; **Associate In:** Prince; **Assistant In:** Trafford

The Recreation, Tourism and Events program offers courses leading to the Bachelor of Science (BS) degree in Recreation, Tourism and Events. The degree is designed to prepare individuals for professional positions in such settings as special events management, resort and commercial recreation, corporate and employee recreation, public park and recreation, youth-serving and military agencies, campus recreation, and travel and tourism. With a Bachelor's degree from this program, students may qualify for employment as event and recreation program supervisors/managers/coordinators, facility managers, adult and youth sports supervisors, activities directors, special events coordinators, tourism services managers, and guest service coordinators. For more information, contact the Program Coordinator, Dr. John Crossley, by e-mail at jcrossley@pc.fsu.edu or by phone at (850) 770-2239.

Advising

Florida State University Panama City provides academic advising to students interested in pursuing coursework in the College of Applied Studies. For more information, contact Angie Sexton by e-mail at aseyton@pc.fsu.edu or by phone at (850) 770-2178.

Degree Requirements

To earn a Bachelor's degree in Recreation, Tourism and Events, students must successfully complete the following: (1) twenty-eight semester hours of required coursework: LEI 3004, 3312, 3420, 3435, 3843, 4524, 4551, 4602, 4881, 4930; (2) two semester hours of fieldwork: LEI 4921r; (3) fifteen semester hours of internship: LEI 4940r; (4) fifteen semester hours of approved specialization coursework. Students must be certified in First Aid/CPR prior to enrolling in LEI 4940.

To be eligible for the internship, which is scheduled the last semester of the program of study, students must have earned a 2.0 cumulative GPA in all college coursework and a 2.0 GPA in all core courses bearing the prefix LEI. A minimum grade of "C-" or better must be earned in all program coursework.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in recreation and leisure services satisfy this requirement by earning a grade of "C-" or higher in CGS 2060 or CGS 2100.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

Recreation, Tourism and Events – Professional

1. CGS X060 or CGS X100

Requirements for a Minor in Recreation, Tourism and Events

A minor in Recreation, Tourism and Events requires twelve hours of coursework. The minor consists of LEI 3004 and any three of the following courses: LEI 3312, LEI 3420, LEI 3435, LEI 3843, LEI 4524. A grade of "C-" or better must be earned in each course counted toward the minor.

Certificates

The College of Applied Studies offers an online graduate certificate program in Event Management. For more information, contact the Program Coordinator, Rosemary Prince, by e-mail at rprince@fsu.edu or visit <http://appliedstudies.pc.fsu.edu/Academics/Graduate-Certificate-in-Event-Management>.

University Honors and Honor Societies

The College of Applied Studies encourages eligible students to participate in university honors and in the honors in the major program. For a list of university-wide honor societies officially recognized by Florida State University, requirements and other information, see the "University Honors Office and Honor Societies" chapter of the *General Bulletin*. College-wide honor societies officially recognized by the College of Applied Studies are listed below, followed by the discipline-specific societies. For complete details of activities and membership requirements, contact the individual organizations.

Leadership/Scholastic Societies

Garnet and Gold Scholar Society facilitates involvement and recognizes the engaged, well rounded student who excels within and beyond the classroom in the areas of Leadership, Internship, Service, International, and Research. For more information, visit <http://garnetandgoldscholar.fsu.edu> or contact the FSU Panama City campus adviser Jennifer Scoggins-Polous by e-mail at jpolous@pc.fsu.edu.

Garnet Key Honor Society of the Panama City campus, founded in 1986, recognizes students primarily for service and scholarship, but also for spirit and leadership. Activities are generally service projects and functions for the Panama City campus. Applicants must have completed fifteen semester hours at that campus with a GPA of 3.5 or higher. For more information, e-mail crios@pc.fsu.edu.

Definition of Prefixes

LEI—Leisure

Courses for Recreation, Tourism and Events Majors

LEI 1181. Leisure and Recreation: A Cross-Cultural Approach (3). An examination of the leisure and recreation behaviors of people in different cultures. The cultural, political, social, and economic influences on leisure and recreation behaviors will be examined.

LEI 1264. Backpacking (1). (S/U grade only.) This is an introductory course designed to prepare participants for backpacking in low-level terrain in a safe and environmentally sound manner. The course covers equipment, clothing, food preparation, route selection, safety and risk management, environmental practices, and "no trace" camping.

LEI 1267. Canoeing/Kayaking (1). (S/U grade only.) This course is designed to give students an applicable knowledge of the sport/activity of canoeing and kayaking, as well as develop students' physical and mental ability to learn and execute canoeing and kayaking skills. This is a beginner flat water and Class 1 level canoe course.

LEI 1269. Rock Climbing (1). (S/U grade only.) This is a basic rock-climbing class. The material covered is for students with little or no experience or knowledge of rock climbing. This class is experiential in nature; therefore, being present and active in class is necessary. Skills may include but are not limited to knot-tying, belaying, bouldering, safety concerns, route reading, and technique.

LEI 3004. Introduction to Recreation, Tourism and Events (3). This course provides an introduction to the nature and diversity of recreation pursuits and the social and cultural forces that influence leisure related choices. Students will examine the various ways in which recreation is organized for delivery by professionals working in the recreation and event industry. Career opportunities in recreation and park and event management are explored.

LEI 3140. History and Philosophy of Recreation, Leisure and Play (3). This course introduces the philosophical foundation of leisure, recreation, and play, and traces the major historical events and perspectives in recreation and leisure through the present time. Current trends and issues are discussed as they relate to social, economic, environmental, and public policy factors.

LEI 3265r. Challenge Course Facilitation Training (1-4). This course provides the student with the knowledge and skills to lead new games and field games and to facilitate group initiatives, and low ropes and high ropes challenge courses. The student will learn to facilitate diverse groups to develop teamwork, and leadership skills, improve group dynamics, increase trust and improve communication, and direct a wide variety of challenge course activities. The course stresses safety, particularly in the use of ropes course apparatus, equipment, sequencing, and processing. The challenge-by-choice philosophy is followed throughout. This course comprises four separate components, which must be taken in sequence but may be taken in subsequent semesters.

LEI 3266. Outdoor Adventure Education (3). This course includes education in teaching leadership and programming skills in outdoor adventure, including hiking, camping, backpacking, kayaking, canoeing, basic survival skills, orienting skills, group dynamics, safety, risk management, accessibility, and environmental ethics.

LEI 3312. Introduction to Special Events (3). This course introduces students to special event planning and prepares them to design and implement a variety of special events for leisure, recreation, and park organizations, community organizations, non-profit agencies, associations, corporations, and other organizations.

LEI 3403. Applied Recreation Programming (1). Prerequisites: LEI 3004 and LEI 3420. Corequisite: LEI 3435. This course is designed to provide students with a comprehensive experience in recreation program implementation.

LEI 3420. Recreation Activities Leadership (3). This course includes selection, development, and understanding of recreation activities and how specific activities meet the needs of individuals. This course develops leadership skills and the ability to plan and lead activities appropriate to age, interest, ability, and culture.

LEI 3435. Recreation Program Design (3). Prerequisites: LEI 3004 and LEI 3420. Corequisite: LEI 3403. This course is designed to facilitate the understanding of principles and methods of recreation program design and operation. Students apply the processes of goal and objective technology and selection and sequencing activities in creating a program design within recreation and leisure services.

LEI 3701. Human Development and Functioning in Leisure (4). Examines the role of human development and functioning for the entire age spectrum, including disabilities.

LEI 3843. Commercial Recreation and Tourism (3). This course is designed to introduce the concepts, principles, and practices of commercial recreation and tourism.

LEI 4524. Leadership and Supervision in Recreation, Tourism and Events (3). Prerequisites: LEI 3004, LEI 3140, LEI 3435, and LEI 3403. Corequisite: LEI 4930. This course introduces the concepts, principles, and best practices for leading and supervising professional employees of recreation, sport, and leisure organizations.

LEI 4551. Administration of Leisure Service Systems (3). Prerequisite: LEI 3435. This course introduces students to the fundamental concepts, theories, principles, and practices of administering, marketing, and budgeting for leisure service agencies.

LEI 4602. Planning and Maintenance of Facilities in Leisure Systems (3). Provides basic information for the planning and maintenance of leisure areas and facilities.

LEI 4816. Leisure Education (3). This course focuses upon developing an understanding of the goals, objectives, and philosophy of leisure education. It also includes the methods and techniques utilized to educate for leisure as well as planning and implementing leisure education in a variety of settings.

LEI 4881. Assessment, Research, and Evaluation in Leisure Systems (3). Enables students to assess leisure functions, interests, and behaviors and teach students to understand and critique research findings in leisure settings.

LEI 4906r. Directed Individual Study (1-3). May be repeated to a maximum of twelve semester hours.

LEI 4921r. Fieldwork in Leisure Services (1-3). (S/U grade only.) Provides the student an opportunity to gain practical experience in an organized leisure setting. May be repeated to a maximum of six semester hours.

LEI 4930. Senior Seminar in Leisure Studies (1). Prerequisite: LEI 3161. The seminar is designed to introduce the current problems facing the leisure profession and the practitioner and to teach students to effectively discuss issues in a seminar setting.

LEI 4932r. Special Topics in Leisure Services (3). Current topics in leisure services are studied in depth. May be repeated to a maximum of nine semester hours.

LEI 4940r. Practicum in Leisure Services (15). Prerequisite: Must be certified in First Aid/CPR. Full-time experience in a leisure agency under the supervision of a professional practice practitioner. May be repeated to a maximum of thirty semester hours.

Graduate Courses

LEI 5171. Philosophical, Social, and Behavioral Foundations of Leisure (3).

LEI 5185. Current Issues in Leisure (1).

LEI 5316. Event Planning Management (3).

LEI 5317. Event Management Issues in Ethics and Risk Management (3).

LEI 5530. Problems of Staff Development (3).

LEI 5555. Analysis and Management of Leisure Systems (3).

LEI 5563. Event Marketing (3).

LEI 5576. Fiscal Policy and Management of Leisure Systems (3).

LEI 5815. Leisure Education (3).

LEI 5889. Research in Leisure Services (3).

LEI 5908r. Directed Individual Study (1-3).

LEI 5915r. Supervised Research (1-4). (S/U grade only.)

LEI 5930r. Special Topics in Recreation and Leisure (1-3).

LEI 5941. Practicum in Leisure Services (9).

LEI 5942. Practicum in Events Management (3).

LEI 5944r. Fieldwork in Leisure Services (1-3).

LEI 5945r. Supervised Teaching (1-5). (S/U grade only.)

LEI 5971r. Thesis (1-6). (S/U grade only.)

LEI 8966r. Master's Comprehensive Examination (0). (P/F grade only.)

LEI 8976r. Master's Thesis Defense (0). (P/F grade only.)

Department of RELIGION

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://religion.fsu.edu/>

Chair: John Kelsay; **Professors:** Corrigan, Cuevas, Dupuigrenet, Kelsay, Porterfield, Twiss; **Associate Professors:** Day, Erndl, Gaiser, Goff, Hellweg, Kalbian, Kelley, Levenson; **Assistant Professors:** Buhman, McVicar, Yu; **Professors Emeriti:** Carey, Jones, Moore, Rubenstein, Sandon

Since its founding in 1965, the Department of Religion at Florida State University has been a leader among America's public institutions in the academic study of religion. The courses offered by the department examine the diverse array of religious cultures around the globe from historical, ethical, philosophical, cultural, and social perspectives. In addition, the department offers students, if they desire, the opportunity to study the languages relevant to religious traditions, with regular introductory and advanced classes in biblical Hebrew, Sanskrit, Tibetan, and New Testament Greek, as well as advanced classes in Aramaic, Coptic, Syriac, and Qur'anic Arabic.

Located in the humanities area of the College of Arts and Sciences, the department participates actively in the University's liberal studies program. A number of religion courses are approved for humanities credit in liberal studies and for literature and multicultural requirements. The department is committed to offering several liberal studies honors courses and honors augmented courses each semester. Members of the department regularly teach in the Bryan Hall living and learning community. Our students are encouraged to take advantage of the University's international programs, especially those in London and Florence.

A concentration in religion provides the opportunity to acquire a broad liberal arts education. Inside the classroom, the department emphasizes clear and critical thinking and excellence in writing and speaking, whether the class has to do with religious history, ethical thought, philosophical analysis, or cultural studies. In addition, the curriculum of the major leads students to broaden their horizons and think about the complexity of the diverse and globalized world in which we live, a world in which religion plays an increasingly central role. These skills have benefited our graduates in the various fields they have gone on to pursue, ranging across education, the health professions, journalism, law, business, politics, and social work.

The department is housed in Dodd Hall. The facilities of the department include a small library of standard reference works for the use of religion students.

College Requirements

Please review all college-wide degree requirements summarized in the "College of Arts and Sciences" chapter of this *General Bulletin*.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in religion satisfy this requirement by earning a grade of "C–" or higher in CGS 2060, CGS 2064, or CGS 2100.

State of Florida Common Program Prerequisites

No statewide common program prerequisites have been identified for this program; however, the faculty in this program recommends that students take several lower level religion courses with the REL prefix.

Degree in Religion

Major

To complete a Bachelor of Arts (BA) degree with a major in religion, a student must complete (in addition to other college requirements) thirty semester hours of religion courses structured in the following manner:

- At least three semester hours in each of the three areas: Western, Asian or African, Issues and Approaches. For purposes of the major requirement, religion courses are categorized as follows:

Western: REL 2121, 2210, 2240, 3128r, 3209, 3224, 3293r, 3363, 3367, 3430, 3505, 3607, 4203r, 4214, 4215, 4290r, 4323, 4324r, 4366, 4393, 4510, 4511, 4562, 4613, 4914r

Asian or African: REL 2315, 2350, 3333r, 3337, 3340, 3345, 3358, 4335, 4357r, 4359r, 4908r, 4912r

Issues and Approaches: REL 1072, 3112, 3142, 3145, 3160, 3170, 3171, 3180r, 3194, 3345, 3431, PHI 3700

Note: The areas in which REL 3936r, 4190r, 4304r, 4491r, 4905r, and 4932r fall depend on the topic. Students should inquire at the department office, or consult with the departmental undergraduate advisers for a current list of all courses and their areas.

- At least eighteen semester hours at the 3000/4000 level
- REL 4044, which can only be taken after successful completion of at least twelve hours of coursework in the department
- At least one religion course with a seminar format (either a course listed as a seminar or one approved as such by the department)
- An exit interview or survey

Note: Courses in which the student receives a grade below "C–" will not be counted toward the major.

Minor

The religion major requires the completion of a minor in another department or program. Check the appropriate department for minor requirements.

Honors in the Major

The Department of Religion offers an honors program in religion to encourage talented juniors and seniors to undertake independent and original research as part of the undergraduate experience. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Joint Major in Religion and Classics

The Departments of Religion and Classics cooperate in a joint major designed for students with a special interest in religion in the ancient world. Students interested in this program should discuss it with the undergraduate director of either department.

Cooperation with Other Programs and Departments

Because religion touches upon many facets of human life, the study of religion is inherently interdisciplinary. The department therefore participates in a number of interdepartmental programs, including the following: American Studies, Asian Studies, African-American Studies, History and Philosophy of Science, Humanities, Middle Eastern Studies, and Women's Studies. In addition, students of religion will find related courses in other departments, including Anthropology, Art History, Classics, English, History, Philosophy, and Sociology. Students undertaking a major or minor in religion should discuss such courses with the undergraduate adviser in religion.

Minor in Religion

Students majoring in other disciplines and wishing to minor in religion must take a minimum of twelve semester hours in the religion curriculum. At least six semester hours of credit must be earned in courses at the 3000 level or higher. Courses in which the student receives a grade below "C–" will not be counted toward the minor.

Definition of Prefixes

GRW—Classical Greek Literature (Writings)

HBR—Modern Hebrew Language

HPS—History and Philosophy of Science

PHI—Philosophy

REL—Religion

RLG—Religion: Graduate

SRK—Sanskrit Language

Undergraduate Courses

GRW 3250r. New Testament Greek (3). Prerequisite: GRE 2220 or completion of twelve-hour foreign language sequence in Greek. This course offers an introduction to reading the New Testament in Greek; it involves a comparison of New Testament Greek to Attic Greek grammar, as well as an introduction to New Testament scholarship. May be repeated to a maximum of six semester hours, provided texts change.

HBR 1102. Beginning Hebrew I (4). Introduction to the basic grammar, syntax, and phonology of modern and classical Hebrew. Meets the foreign language requirement for the BA degree. No language laboratory required.

HBR 1103. Beginning Hebrew II (4). Introduction to the basic grammar, syntax, and phonology of modern and classical Hebrew. Meets the foreign language requirement for the BA degree. No language laboratory required.

HBR 2222. Intermediate Hebrew (4). Translation and commentary on selected Hebrew readings. Meets the foreign language requirement for the BA degree. No language laboratory required.

PHI 3700. Philosophy of Religion (3). Philosophical analysis of major problems in religion: religious language, faith, revelation, existence and nature of God, immortality. Also offered by the Department of Philosophy.

REL 1072. Cinematic Courage (3). This course is an examination of virtue through films and selected readings with special attention to how courage is developed and displayed in response to various situations from its traditional context in the military, to areas of resistance against unjust racial and gender arrangements. Specific manifestations of military courage, religious courage as exemplified in martyrdom, political courage, and professional courage are examined.

REL 1300. Introduction to World Religions (3). A survey of the major living religious traditions of the world, with attention to their origins in the ancient world and their classic beliefs and practices.

REL 2121. Religion in the United States (3). An examination of the scope and nature of religious movements and institutions in the United States.

REL 2210. Introduction to the Old Testament (3). The history, religious thought, and social institutions of ancient Israel as reflected primarily in its literature.

REL 2240. Introduction to the New Testament (3). An introduction to the writings of the New Testament in the context of the historical development of early Christianity.

REL 2315. Religions of South Asia (3). History and culture of the religious traditions of South Asia. A study of the manifestations of Hinduism, Buddhism, Jainism, Islam, Sikhism, and Christianity in India, Pakistan, Bangladesh, and Sri Lanka.

REL 2350. Religions of East Asia (3). An introduction to the history, thought, and practice of religion in China, Korea, and Japan. Confucianism, Taoism, Buddhism, and popular religious traditions from ancient through modern times are covered.

REL 3112. Religion and 20th Century Fantasy Literature (3). This course offers an overview of theological and anti-theological elements in twentieth and twenty-first century fantasy literature from authors Lewis, Tolkien, Rowling, and Pullman.

REL 3128r. Topics in Religion in the Americas (3). Prerequisite: REL 2121 or instructor permission. May be repeated to a maximum of six semester hours.

REL 3142. Religion, the Self, and Society (3). Interpretation of religious phenomena by the major social theorists of modern times. The course is divided into two parts: the psychology of religion and the sociology of religion.

REL 3145. Gender and Religion (3). A consideration of the impact of gender on religion. Includes cross-cultural studies, theoretical works, and gender issues within religious traditions.

REL 3160. Religion and Science (3). This course provides an historical and philosophical analysis of major questions in the relationship between religion and science.

REL 3170. Religious Ethics and Moral Problems (3). A discussion of contemporary moral problems such as deception, sexual activities and relations, and capital punishment from the standpoints of major religious traditions.

REL 3171r. Topics in Ethics (3). Consideration of themes and problems in modern ethics. May be repeated to a maximum of nine semester hours. May be repeated within the same semester.

REL 3180. Religion and Bioethics (3). This course offers an introduction to theoretical and practical issues in bioethics from the perspective of a variety of religious and secular positions.

REL 3194. The Holocaust (3). An examination of the origins, the process, and the consequences of the destruction of the European Jews during World War II.

REL 3209. The Dead Sea Scrolls (3). Prerequisite: REL 2210 or equivalent. This course examines key manuscripts of the Qumran corpus and focuses on issues such as the history, beliefs, and praxis of the Jewish sectarian movement that is associated with the scrolls; the archaeology of the Qumran site; and the significance of the scrolls for understanding Second Temple Judaism.

REL 3224. The Hebrew Prophets (3). Prerequisite: REL 2210 or equivalent. This course analyzes the prophetic books of the Hebrew Bible/Old Testament: Isaiah, Jeremiah, Ezekiel, and the twelve minor prophets. The course examines the role of prophecy elsewhere in the Hebrew Bible (as in the Elijah stories) and situates the biblical prophets within the broader context of prophecy, as a religious and social phenomenon in the ancient Near East.

REL 3293r. Topics in Biblical Studies (3). Prerequisites: REL 2210 and REL 2243 or instructor permission. Selected topics dealing with biblical writings in their ancient historical contexts and/or their interpretation in later periods. May be repeated within the same term to a maximum of nine semester hours.

REL 3333r. Hindu Texts and Contexts (3). A study of selected Hindu scriptures, their commentarial traditions, and their religious and cultural contexts. Topics vary; may include devotional (bhakti) poetry, Ramayana, Bhagavad Gita, etc. May be repeated to a maximum of nine semester hours.

REL 3337. Goddesses, Women, and Power in Hinduism (3). Female power in Hindu cosmology, mythology, and society. A study of Hindu goddesses, women, and female symbolism and the multifaceted relationship among them.

REL 3340. The Buddhist Tradition (3). A survey of the Buddhist tradition from its beginnings through the modern period. Some attention to its contemporary forms.

REL 3345. Chan/Zen Buddhism (3). This course focuses on Chan, a school of Chinese Buddhism popularly known in Japanese as "Zen". The course surveys Zen both historically and thematically, from its beginnings through the modern period. Topics include Chan's origins, history, doctrine, ethical beliefs, meditation, ritual, and monastic institutions.

REL 3358. Tibetan and Himalayan Religions (3). Historical and thematic survey of the religions of Tibet and the Himalayas, including Nepal, Bhutan, and Sikkim. The course emphasizes significant facets of this region's rich cultural heritage, including religion, literature, art, and politics.

REL 3363. Islamic Traditions (3). This course provides a historical and topical survey of Islam as a religion and civilization, focusing on the formative and classical periods of its history. The course is primarily concerned with the life and career of Muhammad, the Prophet of Islam; the scriptural sources of Islam (i.e., the Qur'an and the Sunna); and the development of the Muslim community and its principal institutions (schools of thought, law, theology, cultural life, and mystical traditions).

REL 3367. Islamic Traditions II: Islam in the Modern World (3). This course examines Islam and its adherents from 1300 CE to the present, concentrating on the last two centuries of Islamic history: the period of reform, renewal, and revolution in the wake of Western political and cultural domination. This course investigates a basic question: What happened to different Muslim communities and intellectuals (specifically those in the Arab world, Iran, Turkey, and Africa) as they responded to the challenges posed by "Westernization" and "modernization?" Moreover, it explores the relatively new phenomenon of Islam in America.

REL 3430. Issues and Thinkers in Western Religious Thought (3). An introduction to the Western tradition of religious thought as illustrated by the writings of some of its greatest representatives. Readings in such primary sources as Augustine, Dante, Erasmus, Luther, Pascal, Hegel, and Kierkegaard.

REL 3431. Critics of Religion (3). This course is an introduction to the major thinkers and texts in the critique of religion as it developed in the 19th and 20th centuries in the west. Beginning with Schleiermacher, the course moves on to consider the so-called "masters of suspicion" — Feuerbach, Marx, Nietzsche, and Freud. By means of a close examination of central texts, students explore the meaning of a critique of religion, the structure of religious consciousness, the place of religion with respect to other forms of culture, the problem of religion and alienation, and the possibility of a critical faith.

REL 3505. The Christian Tradition (3). The major beliefs, practices, and institutional forms of Christianity in historical perspective.

REL 3607. The Jewish Tradition (3). A survey of the varieties of institutional structures, beliefs, and religious practices of post-biblical Judaism in their historical contexts.

REL 3936r. Special Topics in Religion (1-3). May be repeated to a maximum of nine semester hours.

REL 4044. What Is Religion? What Is Religious Studies? (3). Prerequisite: Limited to majors. This course is a survey of how theorists in the modern era have answered questions about the origin, essence, and function of religion, as well as an examination of the methods by which religion is studied in a scholarly environment.

REL 4190r. Undergraduate Religion and Culture Seminar (3). Problems and issues in religion and culture. Topics vary. Intended for advanced undergraduate students. Permission of the instructor required. May be repeated to a maximum of nine semester hours. May be repeated within the same term.

REL 4203r. Readings in Classical Hebrew Texts (1-3). Prerequisite: HEB 2230 or instructor permission. Intensive work on specific religious texts in classical Hebrew (ancient or medieval). Choice of texts will vary. May be repeated to a maximum of twelve semester hours.

REL 4214. The Book of Genesis: Literary and Historical Approaches (3). Prerequisite: REL 2210 or equivalent. This course offers a close and critical reading of the Book of Genesis in terms of its composition, history of its interpretations, its Near Eastern context, its narrative artistry, as well as its relevance for ethics and theology.

REL 4215. Judaism in the Graeco-Roman World (3). A history of the Jews and the development of Jewish religious ideas, literature, institutions, and practices from the Maccabean Revolt to the redaction of the Babylonian Talmud.

REL 4290r. Undergraduate Biblical Studies Seminar (3). Advanced work in biblical studies for undergraduates. Topics vary. Permission of the instructor required. May be repeated to a maximum of nine semester hours. May be repeated within the same semester.

REL 4304r. Undergraduate History of Religions Seminar (3). Problems and issues in the history of religions. Topics vary. Intended for advanced undergraduate students. Permission of the instructor is required. May be repeated to a maximum of nine semester hours.

REL 4323. Religions of the Graeco-Roman World (3). The religions of the Graeco-Roman world with special emphasis on traditional religious forms, mystery religions, and developments in philosophy. Some attention will be given to Judaism, Christianity, and Gnosticism in their broader social, cultural, and historical contexts.

REL 4324r. Tutorial in Greek Religious Texts (1-3). Selected readings in Greek of Jewish, Christian, and other religious texts from the ancient world. A basic knowledge of Greek grammar is presumed. May be repeated to a maximum of twelve semester hours.

REL 4335. Modern Hinduism (3). Selected topics on the Hindu tradition in 19th and 20th century India. Includes modern Hindu thinkers, reform movements, popular religion, Hindu nationalism, and pluralism. Attention also to Hindu-inspired religious movements outside India and to other topics of student interest.

REL 4357r. Classical Tibetan (1-3). A systematic and comprehensive study of basic literary Tibetan grammar, common locutions, and translation devices. Emphasis is on exposure to a variety of styles and genres in Tibetan religious literature including Buddhist texts on philosophy, ritual, and history. May be repeated to a maximum of twelve semester hours.

REL 4359r. Special Topics in Asian Religions (3). This course focuses on selected topics and themes in the academic study of Asian religions with special emphasis on issues of methodology. Topics may include key theories in Asian studies, religion, philosophy, history, sociology, and anthropology intended to help students develop critical skills. May be repeated to a maximum of twelve semester hours as topics vary.

REL 4366. Seminar on Shi'ite Islam (3). This seminar focuses on the manifold expressions of Shi'ism from its origins to the present day. It examines the political divisions within the early Islamic community that led to the development of the shi'a. The seminar also examines the earliest Shi'a sects and the major juridical and theological developments within Ithna-'Ashari ("12er") Shi'ism, such as the doctrine of the Imamate and the occultation and return of the 12th Imam. The seminar also studies the establishment and elaboration of Fatimid Isma'ilism. The latter part of the seminar is devoted to contemporary issues among the Shi'ites, including contemporary treatments of the martyrdom of Hussayn and the role of Hizbullah in the politics of the Middle East.

REL 4393. Islam in North America (3). This course surveys in seminar format the manifestations of Islam in the United States, as well as American perceptions of Islam and Muslims. The course begins with the early 18th century and examines early American attitudes toward Muslims, and then moves to the experience of Islam among African-Americans. The latter third of the course is devoted to the assimilation of Muslim immigrants in the US, and how the issues of race, gender, "trans-nationalism" and stereotypes impact the American Muslim community.

REL 4491r. Undergraduate Religious Thought Seminar (3). Topics vary. Intended for advanced undergraduate students. Permission of the instructor required. May be repeated to a maximum of nine semester hours.

REL 4510. Christianity after the New Testament (3). Prerequisite: REL 2240 or instructor permission. The course covers major developments in the history and theology of Christianity in the first three centuries of the Common Era.

REL 4511. Christianity in Late Antiquity (3). Christian thought, institutions, lifestyles, and literature in their social, cultural, and historical contexts from the time of Jesus to the early Middle Ages.

REL 4562. Modern Roman Catholicism (3). The Catholic Church from the Council of Trent to the present day; special consideration given to Vatican II, current problems, and leading thinkers.

REL 4613. Modern Judaism (3). The development of Judaism as a religious and cultural phenomenon in Europe, North America, and the Middle East from the European Enlightenment to the birth of the State of Israel.

REL 4905r. Directed Individual Study (1-3). Supervised reading and research on selected topics. May be repeated to a maximum of nine semester hours.

REL 4908r. Tutorial in Pali (1-3). A study of the grammar, vocabulary, and style of the Pali canon to better understand both Buddhist philosophical concepts and the culture of ancient Buddhist India. May be repeated to a maximum of twelve semester hours.

REL 4912r. Tutorial in Sanskrit Texts (1-3). Prerequisite: SRK 4103 or equivalent. Readings in Sanskrit of selected religious texts. Topics will vary. May be repeated to a maximum of twelve semester hours.

REL 4914r. Tutorial in Latin Religious Texts (1-3). Readings in Latin of selected religious texts. Topics will vary. A basic knowledge of Latin grammar is presumed. May be repeated to a maximum of twelve semester hours.

REL 4932r. Honors Work (3). Students completing this program are awarded their diploma "With Honors in Religion." Interested students should consult with the adviser of the program. May be repeated to a maximum of nine semester hours.

SRK 4102. Elementary Sanskrit I (3). Introduction to the morphology and syntax of Sanskrit and introduction to Sanskrit texts.

SRK 4103. Elementary Sanskrit II (3). Introduction to the morphology and syntax of Sanskrit and introduction to Sanskrit texts.

Graduate Courses

HPS 5340. Freud and the Invention of the Modern Mind (3).

HPS 5345. Power, Knowledge, and Control: Foucault and the History of Human Sciences (3).

RLG 5035. Seminar: Introduction to the Study of Religion (3).

RLG 5195r. Seminar: Religion and Culture (3).

RLG 5204r. Readings in Classical Hebrew Texts (1-3).

RLG 5292r. Tutorial in Near Eastern Languages and Literature (1-3).

RLG 5297r. Seminar: Biblical Studies (3).

RLG 5305r. Seminar: History of Religions (3).

RLG 5318r. Tutorial in Classical Chinese Religious Texts (3-12).

RLG 5328r. Tutorial in Greek Religious Texts (1-3).

RLG 5332. Modern Hinduism (3).

RLG 5346r. Seminar: Chinese Buddhism (3-12).

RLG 5354r. Special Topics in Asian Religions (3).

RLG 5356r. Readings in Tibetan Religious Texts (3-12).

RLG 5367. Seminar on Shi'ite Islam (3).

RLG 5368. Islam in North America (3).

RLG 5486. Religious Thought in America (3).

RLG 5497r. Seminar: Religious Thought (3).

RLG 5514. Christianity in Late Antiquity (3).

RLG 5516. Christianity after the New Testament (3).

RLG 5562. Modern Roman Catholicism (3).

RLG 5612. Judaism in the Graeco-Roman World (3).

RLG 5616. Modern Judaism (3).

RLG 5906r. Directed Individual Study (1-3).

RLG 5910r. Tutorial in Pali (1-3).

RLG 5911r. Supervised Research (1-3). (S/U grade only.)

RLG 5915r. Tutorial in Sanskrit Texts (1-3).

RLG 5916r. Tutorial in Latin Religious Texts (1-3).

RLG 5937r. Special Topics in Religion (3).

RLG 5940. Supervised Teaching (3). (S/U grade only.)

RLG 6176r. Seminar: Ethics and Politics (3).

RLG 6298r. Seminar: Scriptures and Interpretation (3).

RLG 6498r. Seminar: Religious Thought (3).

RLG 6596r. Seminar: Religious Movements and Institutions (3).

RLG 6904r. Readings for Examination (1-12). (S/U grade only.)

RLG 6980r. Dissertation (1-12). (S/U grade only.)

RLG 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

RLG 8966r. Master's Comprehensive Examination (0). (P/F grade only.)

RLG 8976r. Master's Thesis Defense (0). (P/F grade only.)

RLG 8985r. Dissertation Defense (0). (P/F grade only.)

SRK 5236. Intermediate Readings in Sanskrit I (3).

SRK 5237. Intermediate Readings in Sanskrit II (3).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

RESEARCH AND EVALUATION:
see Educational Psychology and Learning Systems

RESEARCH DESIGN AND STATISTICS:
see Educational Psychology and Learning Systems

RHETORIC:
see English

Department of RETAIL MERCHANDISING AND PRODUCT DEVELOPMENT

COLLEGE OF HUMAN SCIENCES

Web Page: <http://www.chs.fsu.edu/rmpd>

Interim Chair: Mary Ann Moore **Professors:** Goldsmith, Moore; **Associate Professors:** Grise, Heitmeyer, Kim; **Assistant in Merchandising and Internship Development:** Miler; **Director, Center for Retail Merchandising and Product Development:** Langston; **Professors Emeriti:** Davis, Edgeworth, Kuehne, Warden

The Department of Retail Merchandising and Product Development (RMPD) offers the Retail Merchandising and Product Development major. This exciting major is responsive to the changes taking place in retail and retail-related industries. As a major, one participates in an industry-savvy curriculum resulting in graduates who can contribute to the retail and apparel-related companies who hire them.

From the beginning of the product development process all the way through to the consumer, RMPD graduates find exciting career opportunities from New York to L.A., and around the world.

The Retail Merchandising and Product Development (RMPD) major prepares men and women for executive training programs and other professional positions leading to a variety of opportunities within retail, textiles, apparel, merchandising, and related industries. The curriculum produces highly marketable graduates who are able to add value to successful management of organizations, whether through corporate operations, the product development function, or field operations. Representative careers include allocating, buying, sourcing, forecasting, store management, product development, sales management, visual merchandising, public relations, publications, and styling. Representative employers include: department and discount store retailers; mass merchandisers; food retailers; specialty stores; electronic shopping networks; fashion publications; fiber, fabric, and apparel manufacturers; retail merchandise manufacturers; entertainment retailers; U.S. and state governments; trade organizations; shopping centers and malls.

The department provides outstanding facilities and leading-edge technology for its majors to immerse them in relevant industry technology. The **Product Development Lab's** multi-media computers are equipped with the latest in computer product development and merchandising software, Adobe Photoshop and Illustrator, Kaledo, Mockshop, word processing, spreadsheet, and presentation packages. The lab helps deliver curriculum that prepares students for the work interfaces they will encounter in industry. **Macy's Merchandising Laboratory**, one of the few university merchandising labs in the United States, provides operational experience with merchandise presentation techniques and inventory management in a retail store facsimile, preparing students for operational challenges in-store. The **Office Depot Technology Complex** provides a hands-on laboratory with retail industry adopted software where students use real-world retail reporting and other technology-related skills. The **Textile Evaluation and Research Laboratory Complex** provides students with a critical understanding of textile science and its impact on a variety of consumer products with the latest color communication technology and modern chemical and physical testing facilities. The **Historic Clothing and Textiles Collection** provides museum-quality conservation, storage, and display space for an outstanding teaching and study collection. Apparel and accessories in the collection date from the late 1700's, with pieces tracing the history of Florida and its residents, including garments and textiles of the Seminole Indians. Textile pieces include the unique Carter Collection of pre-Columbian Peruvian textiles from the late 1400's. A highly accessible teaching and research faculty provides students with a challenging academic environment. The department is also the home of the **Center for Retail Merchandising and Product Development**. The activities of The Retail Center provide an exchange among the retail and retail related industries and RMPD to maintain relevance and rigor in the curriculum. Additionally, The Retail Center provides many networking and project opportunities for RMPD students.

Due to the faculty's strong commitment to the personal and professional development of students, students receive outstanding career mentoring and advising. Honors in the major projects and other directed individual study experiences allow students who meet eligibility requirements to pursue particular areas of individual interest. Team projects, computer projects, field trips, and speakers from the retail, apparel, and textile industries are a regular part of the learning environment. Internships are required in the Retail Merchandising and Product Development major. The highly popular RMPD summer study abroad program provides unique opportunities for students in all majors to study global aspects of the field via coursework and international travel experiences. International internships are also encouraged through the International Programs at Florida State. Department-sponsored student organizations sup-

plement classroom learning by providing opportunities to develop leadership skills in professional settings. For more information please visit <http://www.chs.fsu.edu/rmpd>.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in retail merchandising and product development satisfy this requirement by earning a grade of "C" or higher in CGS 2060, CGS 2064, or CGS 2100.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.fvc.org/fvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

Honors in the Major

The Department of Retail Merchandising and Product Development offers a program of Honors in the Major to encourage talented juniors and seniors to undertake independent and original research as part of the undergraduate experience. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*. Interested students who meet eligibility requirements should discuss this opportunity with a faculty adviser early in their junior year.

Entrance and Retention Requirements for Majors

Students are eligible to enter the Department of Retail Merchandising and Product Development when they have met the University requirements for transfer to an upper-division program, including an overall GPA of 2.0 or higher and completion of all math requirements. Additionally, specified foundation courses required for each major must have been completed with a grade of "C" or better. See individual major descriptions for a listing of these courses and additional eligibility requirements. A separate application to the department is not required.

To remain in good standing in the program, students in RMPD must achieve and maintain a GPA of 2.50 to enroll in CTE 4822 and a GPA of 2.50 to enter the merchandising intern block. Students must be in good standing to take senior-level classes and to graduate. A grade of "C" or better must be achieved in all courses required for the major, including foundation courses, college core requirements, and professional electives.

Each Retail Merchandising and Product Development student is assigned to a full-time professional adviser until the major is completed. Advisers assist students with the proper sequencing of courses and provide other academic planning-guidance. Students are responsible for reviewing the *General Bulletin* and other advising materials distributed by the department and abiding by the academic policies and requirements described within them, including course prerequisites. The department reserves the right to drop students from classes for which they have not completed the prerequisites.

The curriculum for the major in the department is comprised of three parts: lower division requirements, College of Human Sciences core requirements, and major course requirements. Students must meet the curricular requirements in effect at the time they enter the major. Detailed curriculum sheets are available from the department office and on the department Web site, at <http://www.chs.fsu.edu/rmpd/>.

College of Human Sciences Core

All students in the department are required to complete the College of Human Sciences core requirements consisting of six semester hours. The required core courses for this major are FAD 2230 and CTE 3808. A grade of "C" or better must be earned in each of these courses.

Retail Merchandising and Product Development

The Department of Retail Merchandising and Product Development (RMPD) is one of the largest programs in the United States. The curriculum produces highly marketable graduates who are able to add value to successful management of organizations, whether through corporate operations, the

product development function, or field operations. Students who complete a minor in communication also may focus their career development on fashion publishing. Internships within the retail industry and its associated industries provide real-world business experiences. Graduates of the program are sought by recruiters from the top retail firms. The recruiters visit campus to give presentations and interview students who may be interested in joining their organizations.

A grade of “C” or better must be achieved in all courses required for the major, including foundation courses, which, in addition to the math requirements, are ECO 2013 and 2023, PSY 2012 or SYG 1000 or 2023, CGS 2060 or 2100, and ACG 2021. Oral competency may be met through any course approved as such by the University. Detailed curriculum guide sheets and a sequencing plan are available through the department office and on the department Web site, at <http://www.chs.fsu.edu/rmpd/>. Students are expected to meet the curriculum requirements in place at the time they enter the major. An FSU GPA of 2.50 or higher is required to remain in good standing, and to take senior-level courses.

Internship

RMPD offers an outstanding internship program that has been in place for over four decades and works with over 200 companies globally. Interns work in cities such as Los Angeles, Atlanta, Dallas, New York City, Orlando, Miami, and London. To prepare for the internship, Retail Merchandising and Product Development students are required to complete a coordinated block of internship courses (CTE 4811, 4826, and 4866) followed by the internship which may take place during the Summer, Fall, or Spring semesters. The internship provides students with a chance to apply managerial, operational, and analytical skills to workplace experiences.

The merchandising block courses (CTE 4811, 4826, and 4866) are taken during the first half of the intern semester. All material normally covered in a full semester, including the final examination, is completed during the accelerated period. The second half of the semester is the off-campus internship or practicum (CTE 4882). The Department of Retail Merchandising and Product Development assists students in identifying potential internship positions and, through a process explained during merchandising coursework, for approving the placement of students. The intern may or may not receive compensation, depending on the policy of the host company. During the internship, the student is responsible for all assignments given by the department and the retail organization. The interning student is also responsible for housing, relocation arrangements, and expenses. Each intern is cooperatively evaluated by both the company and the RMPD Internship Coordinator. An unsatisfactory rating by either the company or the RMPD Internship Coordinator will result in a failing grade in CTE 4882.

The student is responsible for obtaining their internship with the assistance of the Internship Coordinator. To ensure a placement that best meets the professional needs of each student, the department partners with retail organizations over a wide geographic area. Applicants for the internship may not be assigned to their home cities or to the immediate or general vicinity of the campus. Candidates are advised that the Department of Retail Merchandising and Product Development exercises the final authority for approving the internship semester and the company in which the student will intern. A contractual agreement verifies the terms of the internship and must be submitted to the Internship Coordinator upon completion of the first week of field work. Submission of an application by a candidate is an agreement to accept an assignment in a location where the objectives of the internship can best be achieved. Failure to accept an assignment relieves the Department of Retail Merchandising and Product Development and the University of any further responsibility to assist in procuring an internship.

An intern is expected to meet the standards set by pertinent state laws and by the cooperating firms. Candidates should be aware that, consistent with applicable law, information pertaining to all public records (such as arrest and/or conviction in a court of law) may be routinely furnished to the cooperating stores as well as to prospective employers. The Department of Retail Merchandising and Product Development will take all reasonable steps to place a student in an internship but will not be liable if a student cannot be placed.

Internship application takes place via an online process the term prior to the semester in which the student desires to intern. The following eligibility requirements must be met in order to intern.

1. Students must have a minimum of ninety credit hours overall and twenty-five credit hours in the department and must have completed the following classes with a “C” or better: CTE 1401C, 2800, 3201, 3763, 3806, 3809, 3835, 4443, 4822, 4829; MAC 1105 or MGF 1106 or 1107; ACG 2021; MAR 3023; CGS 2060 or 2100; ECO 2013 and 2023; and SYG 1000 or SYG 2010 or PSY 2012.
2. An overall GPA of 2.50

3. Early in the semester immediately prior to the internship semester (not a Summer term), the student must meet with their designated adviser and sign off on an internship clearance form.

There is a limit to the number of students who can intern in any given semester and application procedures must be carried out via the online process. For more information regarding internship requirements, please contact the RMPD Internship Coordinator or the CHS Advising Office.

Requirements for Minors

Due to the heavy demand for courses by RMPD majors, minors in RMPD are no longer available.

Graduate Certificate

A graduate certificate is available to qualified students. Please contact the RMPD Department for more information.

Definition of Prefixes

COA—Home Economics: Consumer Affairs

CTE—Home Economics: Clothing, Textiles and Merchandising

HME—Home Economics: Home Management and Equipment

Undergraduate Courses

COA 4131. Family Financial Analysis (3). Prerequisites: Junior standing; economics recommended. Principles and problems of money management, credit, insurance, housing, transportation, taxes, and investments.

COA 4935r. Special Topics in Consumer Economics: Topics Vary (1–9). Study of various consumer or resource management issues/trends. May be repeated to a maximum of twelve semester hours as topics vary.

CTE 1401C. Introductory Textile Science (4). This course is an introduction to fibers, yarns, fabric structures, coloration, and finishes related to performance, selection, and care. It includes laboratory experience in the identification and analysis of fibers, yarns, fabrics, finishes, and textile coloration.

CTE 2800. Textile, Apparel, and Retail Analysis (3). This course offers an overview of the textile, apparel, retail, and support services industries and the career opportunities available within these industries. The nature, scope, and structure of each segment of each industry in the domestic and international marketplace is analyzed.

CTE 3201. Visual Design (3). This course is an introduction to design as process and product: with applications in functional, structural, and decorative design; optical illusions; art elements and principles; design analysis.

CTE 3431. Product Development (3). Prerequisite: CTE 1401C. This course explores topics in product development. Focus on stages of product development for specific end use areas.

CTE 3512. History of Dress (3). This course explores the development of Western dress from the 15th century to the present as a reflection of socio-cultural factors including cultural values, ethnicity, gender, class, art, customs, economy, politics, religion, geography, and technology.

CTE 3763. Product Analysis and Costing (3). Prerequisites: CTE 1401, 1401L, and 2800. This course offers an evaluation of apparel products in relation to product development and costing.

CTE 3806. Merchandising Principles (3). Prerequisites: CTE 1401C and 3201. An overview of businesses that design, produce, distribute, and sell fashion and basic goods. Theoretical foundations and practical application of the principles of retail merchandising.

CTE 3808. Consumers in a Complex Marketplace (3). Prerequisites: One of the following: PSY 2012 or SYG 1000 or SYG 2010. This course explores the decision making behavior of consumers in a complex and diverse marketplace, including consumer rights and responsibilities.

CTE 3809. Trend Analysis and Forecasting (3). Prerequisites: CTE 3806, ECO 2013, and ECO 2023. This course explores the process and methods of trend analysis and fashion forecasting with a dual focus on both consumer and business aspects.

CTE 3835. Merchandise Presentation and Inventory Analysis (3). Prerequisites: A grade of “C” or better in ACG 2021, CGS 2060 or 2100, CTE 3806, ECO 2013, ECO 2023, and MAC 1105 or MGF 1106. Analysis of consumer trends, inventory needs, and merchandise presentation methods to drive a business from a store and buying perspective using visual merchandising methods, current inventory analysis software, retail store reports, and the Macy’s Merchandising Laboratory.

CTE 3871. Retail Merchandising Ethics and Leadership (1). Prerequisite: CTE 2800. This course identifies, analyzes, and evaluates problems and solutions to leadership and select ethical issues in the retail merchandising and product development business environment. This course prepares students to handle successfully the leadership dilemmas they will face in the workplace.

CTE 3881. Pre-Professional Retail Merchandising and Product Development Field Experience (3). (S/U grade only.) This optional pre-internship course is designed to introduce the student, prior to the intern block, to a hands-on approach to basic retail merchandising in the following areas: selling, merchandising, product knowledge, and inventory control and management.

CTE 4443. Quality Assurance for Textiles and Apparel (4). Prerequisite: CTE 1401C. This course offers an evaluation of textile materials for specific end users, industry compliance, certified performance, and government standards.

CTE 4463r. International Textile and Apparel Product Development (3). Prerequisites: CTE 1401C, 3201, and 3806. This course studies current practices and technology in textiles and apparel product development in an international setting. Course requires students to travel to and live at international sites at their own expense. May be repeated to a maximum of nine semester hours.

CTE 4518. Historic Clothing and Textiles in European Museums (3). This course studies preservation, curatorial choices, display techniques, and the educational significance of historic clothing and textiles in European museums. Discussion of the importance of historic clothing and textiles in European museums as a reflection of the art, customs, religion, technological development, and economy of the periods presented.

CTE 4537r. Historic Textiles and Clothing Collection Management (1–3). Prerequisite: Instructor permission. Practicum at Florida State University Historic Clothing and Textiles Collection. Students learn proper textile preservation, conservation, storage, and display techniques for flat textiles and garments. Other experiences include museum education, informatics, and database management. May be repeated to a maximum of six semester hours.

CTE 4707. International Topics in Design Industry (3). Prerequisite: CTE 1401C, 3201, and 3806. This course offers an in-depth study of designers and of the design industry in international sites. Students gain a perspective on the influence of fashion on economic, social, artistic, and global culture.

CTE 4803r. International Topics in Merchandising (3). Prerequisite: CTE 3806. This course is the study of current practices and technology in merchandising in an international setting. The course requires students to travel to and live at international sites at their own expense. May be repeated to a maximum of nine semester hours.

CTE 4811. Retail Merchandising Planning Strategies (3). Prerequisites: Senior standing, a 2.50 GPA, as well as a grade of “C” or better in CTE 3835, 4822, and MAR 3023. This course provides an overview of strategic planning as a framework for retail-firm analysis. Through the completion of retail-store business plans, students hone their leadership, negotiation, and interpersonal skills.

CTE 4822. Quantitative Merchandising Management (3). Prerequisites: A 2.50 GPA as well as grade of “C” or better in ACG 2021, CGS 2060 or 2100, CTE 3806, ECO 2013, ECO 2023, and MAC 1105 or STA 2023. This course examines principles of effective merchandising management through mathematical procedures. Examines problems and formulates solutions in merchandise buying: planned stocks, open-to-buy, markups, markdowns, and other buying formulas. Must be taken in Summer or semester immediately prior to intern block.

CTE 4826. Merchandising Buying (3). Prerequisites: A 2.50 GPA as well as a grade of “C” or better in CTE 3835, 4822, and MAR 3023. This course examines techniques and theories of retail buying, concentrating on buying functions, and the strategic role of the buyer in retail management. This course is part of the intern block for merchandising majors only.

CTE 4829. Global Sourcing (3). Prerequisites: CTE 3806, ECO 2013, and ECO 2023. This course covers global trade, trade practice and theories, as well as the global sourcing related to the textile, apparel, and retail industries.

CTE 4832. Merchandising of Small Business Enterprises (3). This course offers a discussion of issues resulting from the interaction between merchandising and small business. Family businesses and other types of ownership are discussed. Guest speakers include family business owners, bankers, accountants, lawyers and government officials who deal with small and family businesses.

CTE 4843. Retail Branding (3). Prerequisite: CTE 3806. This course explores retail and fashion brand development, promotion, experience, and performance. Students develop their own brand.

CTE 4866. Executive Perspectives on Retail Management (3). Prerequisites: CTE 3835, 4822, and MAR 3023. Corequisites: CTE 4811, 4826, and 4882. This course prepares students to assume a professional role in retail merchandising, product development, or the industry support services through developing career strategies that emphasize solid management and leadership concepts and principles. The course provides exposure to retail and manufacturing industry leaders, and assistance in preparing for the role of an intern.

CTE 4882. Professional Internship (6). (S/U grade only.) Prerequisites: Major status, CTE 4811, CTE 4826, and CTE 4866. This internship in a retail setting allows students to understand merchandizing functions through management, buying, or product development. Both professional development and career preparation are emphasized.

CTE 4890. Executive Merchandising Management (3). Prerequisites: A 2.50 GPA as well as a grade of “C” or better in CTE 3806, 3835, 4822, and MAR 3023. This course examines the roles and responsibilities of executive merchandising managers in retail culture; critical competitive challenges in the global, quality, social, and technological environment of various retail settings. This course is part of the intern block for merchandising majors only.

CTE 4892. Intern/Career Preparation (1). Prerequisites: A 2.50 GPA as well as a grade of “C” or better in CTE 3806, 3835, 4822, and MAR 3023. Corequisites: CTE 4811 and 4890. This course is preparation for merchandising internships and retail careers. Professional development and responsibilities of interns and executive trainees in retail operations. This course is part of the intern block for merchandising majors only.

CTE 4905r. Directed Individual Study (1–6). Prerequisite: A 2.50 GPA. May be repeated to a maximum of six semester hours.

CTE 4937r. Special Topics (1–3). This course is an analysis of current issues and practices in textiles and consumer sciences. May be repeated to a maximum of twelve semester hours as topics vary.

CTE 4970r. Honors Work (1–6). This course provides qualified, upper-division majors in textiles and consumer sciences an opportunity to undertake an independent and original research project in their particular area of interest. May be repeated to a maximum of nine semester hours. A minimum of two semesters is required to complete an honors project.

HME 4221. Family Resource Management (3). Analysis of family decision making, goals, values, and resources.

Graduate Courses

CTE 5807. Retail Merchandising Concepts (2–4).

CTE 5815. Retail Technologies (3).

CTE 5816. Merchandising Organization (3).

CTE 5828. Merchandising Buying (3).

CTE 5833. Merchandising of Small Business Enterprises (3).

CTE 5834. Merchandising Theory and Research (3).

CTE 5884. Advanced Fashion Merchandising Practicum (6). (S/U grade only.)

CTE 5906r. Directed Individual Study (1–3).

CTE 5911. Research Analysis in Clothing and Textiles (3).

CTE 5912r. Supervised Research (1–3). (S/U grade only.)

CTE 5930r. Clothing and Textiles Seminar (1).

CTE 5942r. Supervised Teaching (1–3). (S/U grade only.)

CTE 5945r. Museum Studies Internship (1–6).

CTE 6900r. Readings in Clothing and Textiles (1–3). (S/U grade only.)

CTE 6932r. Clothing and Textiles Seminar (1).

CTE 6936r. Special Topics in Clothing/Textiles/ Merchandising (3).

For listings relating to graduate coursework for thesis, dissertation, and master’s and doctoral examinations and defense, consult the *Graduate Bulletin*.

Department of RISK MANAGEMENT/INSURANCE, REAL ESTATE AND LEGAL STUDIES

COLLEGE OF BUSINESS

Web Page: <http://cob.fsu.edu/rmi/>

Chair: G. Stacy Sirmans; **Professors:** Beck-Dudley, Born, Cole, Diskin, Dumm, Gatzlaff, McCullough, C.F. Sirmans, G.S. Sirmans; **Assistant Professors:** Marzen, Nyce, Orozco, Prum; **Research Associates in Legal Studies and Real Estate:** Bailey, Woodyard; **Associate in Risk Management and Insurance:** Medders; **J. Harold and Barbara M. Chastain Eminent Scholar in Real Estate:** C.F. Sirmans; **Payne H. and Charlotte Hodges Midyette Eminent Scholar in Risk Management and Insurance:** Born; **Kenneth G. Bacheller Professor of Real Estate:** G.S. Sirmans; **Mark C. Bane Professor in Business Administration:** Gatzlaff; **State Farm Professor of Risk Management and Insurance:** McCullough; **Robert L. Atkins Professor in Risk Management and Insurance:** Cole; **Dr. William T. Hold/The National Alliance Professor in Risk Management and Insurance:** Dumm; **Francis J. Nardoza Scholars Program Fellow:** Diskin

The risk management/insurance and real estate degree programs are designed to meet the academic needs of professional insurance, risk management, and real estate practitioners. The term “profession” connotes an occupation requiring advanced education and training and the ability to meet standards deemed desirable for the protection of the public.

The business law curriculum is a non-degree service program serving all students in the various business programs. A basic knowledge of business law is essential to the successful transaction of business and economic affairs. Advanced and specialized courses are available to students who wish a more comprehensive knowledge of business law in relation to such fields as accounting, finance, insurance, and real estate.

For information on graduate programs, refer to the *Graduate Bulletin*.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in risk management/insurance and real estate satisfy this requirement by earning a grade of “C–” or higher in CGS 2100 (state mandated business prerequisite requirement) or CGS 2518.

Required Risk in Business and Society Course

All undergraduates at Florida State University intending to enter a business major must complete RMI 2302, Risk in Business and Society, with a “C–” or better by the end of their sophomore year. Transfer students will be required to complete this course in their first semester at FSU.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this department’s University degree programs. Specific prerequisites are required for admission into these upper-division programs and **must** be completed by the student at either a community college or a state university prior to being admitted to these programs. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into these programs.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.fvc.org/fvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into these upper-division degree programs:

Risk Management/Insurance

1. ACG X021 or ACG X022, or ACG X001 and ACG X011
2. ACG X071 or ACG X301
3. CGS X100 (or demonstrated competency) or CGS X100C or CGS X530 or CGS X570 or CGS X060 or CGS X531 or CGS X000 or ISM X000 or CGS X518
4. ECO X013
5. ECO X023
6. MAC X233 or MAC X230
7. STA X023 or STA X122 or QMB X100

Real Estate

1. ACG X021 or ACG X022, or ACG X001 and ACG X011
2. ACG X071 or ACG X301
3. CGS X100 (or demonstrated competency) or CGS X100C or CGS X530 or CGS X570 or CGS X060 or CGS X531 or CGS X000 or ISM X000 or CGS X518
4. ECO X013
5. ECO X023
6. MAC X233 or MAC X230
7. STA X023 or STA X122 or QMB X100

Degree Programs

Risk Management/Insurance Program

The curriculum in risk management/insurance provides students with the knowledge necessary to analyze the impact of risk and uncertainty upon business and society. Students who major in risk management/insurance prepare for a career in insurance, consulting, financial services, or corporate risk management. Classes cover a variety of topics, including analysis of the risk management process with a focus on enterprise risk management.

Students may coordinate their academic programs with the licensing examinations of the state of Florida and with the professional examinations of the Chartered Property and Casualty Underwriters (CPCU) program, the Chartered Life Underwriters (CLU) program, and other professional programs.

Requirements for a Major in Risk Management/Insurance

All students must complete:

1. The University-wide baccalaureate degree requirements summarized in the “Undergraduate Degree Requirements” chapter of this *General Bulletin*
2. The state of Florida common program prerequisites for risk management/insurance majors
3. At least sixty semester hours of courses in non-business disciplines
4. The general business core requirements for risk management/insurance majors
5. The general business breadth requirements for risk management/insurance majors
6. The major area requirements for risk management/insurance majors

Note: To be eligible to pursue a risk management/insurance major, students must meet the admission requirements for the AACSB accredited business programs in the College of Business. These admission requirements are described in the “College of Business” chapter of this *General Bulletin*.

General Business Core Requirements

All risk management/insurance majors must complete the following five courses. A grade of “C–” or better must be earned in each course.

BUL 3310	The Legal and Ethical Environment of Business (3)
FIN 3403	Financial Management of the Firm (3)
GEB 3213	Business Communications (3)
MAN 3240	Organizational Behavior (3)
MAR 3023	Basic Marketing Concepts (3)

General Business Breadth Requirements

All risk management/insurance majors must complete three courses as follows. Each course selected must be completed with a grade of “C–” or better.

REE 3043	Real Estate (3)
RMI 3011	Risk Management/Insurance (3)
Plus one elective from the following list of courses:	
FIN 3244	Financial Markets, Institutions, and International Finance Systems (3)
HFT 3240	Managing Service Organizations (3)
ISM 3003	Foundations of Management Information Systems (3)
MAN 3600	Multinational Business Operations (3)
MAN 4720	Strategic Management and Business Policy (3)
MAR 3400	Professional Selling (3)
QMB 3200	Quantitative Methods for Business Decisions (3)

Major Area Requirements

All risk management/insurance majors must complete six courses as listed below. A grade of “C–” or better must be earned in each course used to satisfy the risk management/insurance major area requirements.

RMI 4115	Life Insurance Products (3)
RMI 4224	Property and Casualty Insurance Products (3)
RMI 4292	Property and Casualty Insurance Operations (3)
RMI 4347	Commercial Risk Management (3)

Plus at least two electives from the following list of courses:

RMI 4135	Employee Benefit Plans (3)
RMI 4295	Advanced Property and Casualty Insurance (3)
RMI 4308r	Seminar in Risk and Its Control (3) (Topics vary)
RMI 4420	Legal and Political Aspects of Insurance (3)
RMI 4941	Risk Management/Insurance Internship (3)

Selection of electives should be made after consultation with a faculty adviser in order to satisfy the student’s interests and to qualify the student for the state licensing examinations and professional designations.

Real Estate Program

The real estate program provides a foundation for students seeking a broad understanding of the real estate market and its participants. Students are introduced to such concepts as urban economics, market behavior, valuation, finance, investment analysis, and real estate law. In general, the curriculum is designed to develop the fundamental skills necessary to make effective real estate business, investment, and consumption decisions. More specifically, the program equips students to enter a wide variety of real estate related professions (e.g. investment and portfolio analysis, institutional lending and mortgage banking, brokerage, appraisal, property management, and property development).

Students may coordinate their academic programs with licensing examinations of the State of Florida. Completion of the real estate major partially fulfills the requirements to be licensed as a real estate sales associate, or certified as a general appraiser, in the State of Florida.

Requirements for a Major in Real Estate

All students must complete:

1. The University-wide baccalaureate degree requirements summarized in the “Undergraduate Degree Requirements” chapter of this *General Bulletin*
2. The state of Florida common program prerequisites for real estate majors
3. At least sixty semester hours of courses in non-business disciplines
4. The general business core requirements for real estate majors
5. The general business breadth requirements for real estate majors
6. The major area requirements for real estate majors

Note: To be eligible to pursue a real estate major, students must meet the admission requirements for the AACSB accredited business programs in the College of Business. These admission requirements are described in the “College of Business” chapter of this *General Bulletin*.

General Business Core Requirements

All real estate majors must complete the following five courses. A grade of “C–” or better must be earned in each course.

BUL 3310	The Legal and Ethical Environment of Business (3)
FIN 3403	Financial Management of the Firm (3)
GEB 3213	Business Communications (3)
MAN 3240	Organizational Behavior (3)
MAR 3023	Basic Marketing Concepts (3)

General Business Breadth Requirements

All real estate majors must complete three courses as follows. Each course selected must be completed with a grade of “C–” or better.

REE 3043	Real Estate (3)
RMI 3011	Risk Management and Insurance (3)

Plus one elective from the following list of courses:

FIN 3244	Financial Markets, Institutions, and International Finance Systems (3)
HFT 3240	Managing Service Organizations (3)
ISM 3003	Foundations of Management Information Systems (3)
MAN 3600	Multinational Business Operations (3)
MAN 4720	Strategic Management and Business Policy (3)

MAR 3400	Professional Selling (3)
QMB 3200	Quantitative Methods for Business Decisions (3)

Major Area Requirements

All real estate majors must complete the five courses listed below. A grade of “C–” or better must be earned in each course used to satisfy the real estate major area requirements.

REE 4103	Real Estate Valuation (3)
REE 4143	Real Estate Market Analysis (3)
REE 4204	Real Estate Finance (3)
REE 4313	Real Estate Investment (3)
REE 4433	Legal Environment of Real Estate (3)

Selection of upper-division electives to satisfy the University-wide total hours requirement should be made after consultation with the student’s faculty adviser.

Definition of Prefixes

BUL—Business Law

REE—Real Estate

RMI—Risk Management/Insurance

Undergraduate Courses

BUL 3310. The Legal and Ethical Environment of Business (3). An introduction to the legal setting in which business operates. Emphasis on business ethics. Legal topics include the nature of the law and the legal process, administrative law, business and the Constitution, statutory and common law, regulatory law, and agency/unemployment law.

BUL 3330. Law for Accountancy (3). This course surveys basic concepts of law as applied to the accounting profession, including contracts, agencies, partnerships and corporations, property, wills and trusts, securities regulation, consumer protection, and antitrust. Students may not receive credit for both BUL 3310 and BUL 3330.

BUL 3350. Uniform Commercial Code Business Law Problems (3). Prerequisite: BUL 3310 or BUL 3330. Uniform Commercial Code. The law of sales, commercial paper, secured transactions, competition, and the antitrust laws; professional liability.

REE 3043. Real Estate (3). Survey introduction to real estate, real estate evaluation, and real estate investment decision making. The course, in addition to REE 4433, meets the FREC educational requirement for real estate sales licensing.

REE 4103. Real Estate Valuation (3). Prerequisite: REE 3043. This course acquaints students with the valuation process and the basics of valuation terminology. It also demonstrates the application of a variety of valuation techniques to both residential and income properties.

REE 4143. Real Estate Market Analysis (3). Prerequisites: REE 3043 and REE 4103. (**Note:** REE 4103 and REE 4143 cannot be taken concurrently.) Topics in this course include techniques of real estate market analysis, survey research, and applications of computers to real estate problems.

REE 4204. Real Estate Finance (3). Prerequisites: REE 3043 and FIN 3403. An intermediate treatment of real estate finance, investment, and tax analysis. Coverage includes mortgage markets, financing devices, and quantitative evaluation of real estate projects.

REE 4313. Real Estate Investment (3). Prerequisites: REE 3043 and REE 4103 or REE 4204 or departmental permission. This course introduces students to the analytical tools and procedures used to evaluate real estate investments. The course focuses on the topic of real estate investment analysis, primarily from the private investors’ perspective.

REE 4433. Legal Environment of Real Estate (3). Prerequisites: BUL 3310 and REE 3043. An intermediate treatment of the legal environment of real estate and real estate decision making. The course emphasizes common law rules and legal considerations inherent in contemporary real property decisions. The course, in addition to REE 3043, meets the FREC educational requirements for real estate sales licensing.

REE 4905r. Directed Individual Study (1–3). May be repeated to a maximum of nine semester hours.

REE 4941. Real Estate Internship (3). (S/U grade only.) Prerequisite: Instructor permission. This internship is designed for College of Business students who desire to gain real-world experience in the real estate field through on-the-job practice. Students work under the direction of an approved industry professional, a faculty adviser, and the internship director.

REE 4970r. Honors Thesis (1–6). Prerequisite: Admission to the honors program. May be repeated to a maximum of nine semester hours. Six semester hours of thesis are required to complete honors in the major.

RMI 2302. Risk in Business and Society (3). This course is designed to enhance student understanding of risk and its implications for individuals, business, and society. The course focuses on the impact of uncertainty on decisions and the risk-reward tradeoff. Students analyze the implications of risk in a variety of settings.

RMI 3011. Risk Management/Insurance (3). An introduction to the principles of risk management and insurance and their application to personal and business pure risk problems.

RMI 4115. Life and Health Insurance Products (3). Prerequisite: RMI 3011. Analysis of personal and business life and health insurance needs, characteristics of plans appropriate to meet needs. Life insurance rating, receiving, underwriting, and financial statement analysis are also studied.

RMI 4135. Employee Benefit Plans (3). Prerequisite: RMI 3011. Study of basic concepts and managerial concerns underlying the group insurance mechanism and the characteristics of various qualified retirement planning vehicles.

RMI 4224. Property and Casualty Insurance Products (3). Prerequisite: RMI 3011. Analysis of more common basic insurance contracts—their use and coverage afforded as a fundamental basis for understanding legal, underwriting, marketing, financial, and other insurance functions.

RMI 4292. Property and Casualty Insurer Operations (3). Prerequisite: RMI 3011. A discussion of the composition, financial structure, and operations of the insurance industry. Special consideration is given to consumer problems and solutions.

RMI 4295. Advanced Property and Casualty Insurance (3). Prerequisite: RMI 4224. A study of business insurance problem evaluation and planning with proposed solutions utilizing comprehensive coverage package programs.

RMI 4308r. Seminar in Risk and Its Control (3). Prerequisite: Instructor permission. Topics vary. May be repeated to a maximum of six semester hours.

RMI 4347. Commercial Risk Management (3). Prerequisite: RMI 4224. Application of the risk management process. Includes risk control, risk financing, and business risk management problems.

RMI 4420. Legal and Political Aspects of Insurance (3). Prerequisites: BUL 3310 and RMI 3011. Insurance contracts and marketing—judicial doctrines of contract construction, claims processes, insurance institutions, governmental regulation, and sponsorship of insurance.

RMI 4905r. Directed Individual Study (1–3). May be repeated up to three times.

RMI 4941. Risk Management/Insurance Internship (3). Prerequisites: RMI 3011 and six additional hours of business/risk management and insurance coursework. This internship is designed for College of Business students who desire to gain real-world experience in the risk management/insurance field through on-the-job practice. Students work under the direction of an approved industry professional, a faculty adviser, and the internship director.

RMI 4970r. Honors Thesis (1–6). Prerequisite: Admission to the honors program. May be repeated to a maximum of nine semester hours. Six semester hours of thesis are required to complete honors in the major.

Graduate Courses

- BUL 5810.** The Legal and Ethical Environment of Business (1-4).
BUL 5907r. Directed Individual Study (1-3).
REE 5105. Real Estate Valuation (3).
REE 5205. Topics in Real Estate Finance (3).
REE 5209. Advanced Real Estate Finance and Investment (3).
REE 5305. Real Estate Investment (3).
REE 5315. Real Estate Project Feasibility Analysis (3).
REE 5435. Real Estate and Its Legal Environment (3).
REE 5907r. Directed Individual Study (1-3)
REE 5935r. Special Topics in Real Estate (1–3).
RMI 5017. Fundamentals of Risk and Insurance (3).
RMI 5136. Employee Benefit Plans (3).
RMI 5225. Property/Liability Insurance Contract Analysis (3).
RMI 5345. Risk Management in the Business Enterprise (3).
RMI 5710C. Insurance Company Operations (3).
RMI 5720C. Insurance Accounting and Finance (3).
RMI 5810C. Personal Financial Planning (3).
RMI 5906r. Directed Individual Study (1–3). (S/U grade only.)
RMI 5907r. Special Studies in Management (1–3).
RMI 5917r. Supervised Research (1–3). (S/U grade only.)
RMI 5935r. Special Topics in Risk Management and Insurance (1–3).
RMI 5946r. Supervised Teaching (1–3). (S/U grade only.)
RMI 6195. Doctoral Seminar in Insurance: Life/Health Insurance Topics (3).
RMI 6296. Doctoral Seminar in Insurance: Property/Liability Insurance Topics (3).
RMI 6395. Doctoral Seminar in Risk and Insurance Theory (3).
RMI 6917r. Supervised Research in Risk Management and Insurance (1–3). (S/U grade only.)
RMI 6946r. Supervised Teaching (1–3). (S/U grade only.)

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

RUSSIAN:
see Modern Languages and Linguistics

Interdisciplinary Program in RUSSIAN AND EAST EUROPEAN STUDIES

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY

Web Page: <http://www.coss.fsu.edu/russia/>

Director: Lee Metcalf (Social Sciences)

The interdisciplinary program in Russian and East European studies is an international area studies program that is designed to develop a student's competence in the language, history, culture, and contemporary political and economic setting of a particular country or cultural region. This area studies program is focused on Russia and Eastern Europe. A major or minor in this program serves the needs of: (1) general liberal arts students who wish to learn more about this important area of the world; (2) students who wish to pursue graduate work in this or related fields; and (3) students who seek employment in or related to Russia or Eastern Europe. This program also combines area or country specific courses, which give students the needed cultural immersion with more general comparative courses, and which also provides them with the necessary intellectual tools, the concepts and theories, to make sense out of their particular disciplinary concentrations. Students are to select language and thematic specializations in line with their intellectual interests and career goals and design their program of study around them.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in Russian and East European studies satisfy this requirement by earning a grade of "C–" or higher in CGS 2060, CGS 2064, or CGS 2100.

Requirements

Students majoring in the program are to construct their study program around three components: (1) a language requirement; (2) area-specific course work and (3) a concepts and theories tool requirement. The total hour requirements for a major are a minimum of twelve semester hours in an approved area language plus an additional thirty-six semester hours beyond the liberal studies requirements (with a grade of "C–" or better in each course). As an interdisciplinary program, no minor is required.

In addition to a 2.0 overall GPA, all students must meet "mapping" requirements. See <http://www.academic-guide.fsu.edu/> for more information.

Language Requirement

All students are required to take twelve semester hours of course work in a relevant area language (Russian, German, Czech, Serbo-Croatian, or some other East European language) or demonstrate proficiency at the intermediate college level. Students will be encouraged to bring their chosen language up to an effective level of proficiency in both reading and speaking by either taking additional course work on Florida State University's campus or by participating in a semester or summer abroad program in their relevant cultural area that is administered by, affiliated with, or approved by Florida State University, as such programs become available. To encourage the achievement of language proficiency, language coursework hours taken beyond the twelve semester hour minimum or demonstrated intermediate college-level proficiency will be counted toward the required thirty-six semester hours for the major.

Area Specific Course Requirement

Students are to select at least twenty-four semester hours of coursework from the approved area specific course list. Other special topic area-specific courses may be approved from time to time. Students are encouraged to view the term specific course lists posted at their International Studies Blackboard Organization site.

Concepts and Theories Tool Requirement

Students are to take at least six semester hours of course work from among those courses listed for Concepts and Theories. Students should select these courses with some care and in consultation with their academic adviser in order to meet the required prerequisites for some of the approved courses.

Study Abroad

Students majoring in Russian and East European Studies are strongly encouraged to study abroad. The summer programs in Croatia and Russia offer relevant course work. See <http://international.fsu.edu/> for more information on the various options available through Florida State International Programs.

Students should consult with the Russian and East European Studies Director about any other study abroad programs they wish to pursue. Course work taken in overseas locations must be approved in advance for credit toward the major.

Internship

The Russian East European Studies program encourages students to take advantage of internships with an area focus. Information on possible placements can be found on the International Studies Blackboard Organization site. All application materials, which are also available on the International Studies Blackboard Organization site, must be submitted and all internships must be approved the semester before the internship takes place. See the Russian and East European Studies program adviser in *211 Bellamy* for further information.

Honors in the Major

The Program in Russian and East European Studies offers honors in the major to encourage talented juniors and seniors to undertake independent and original work as part of the undergraduate experience. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Second Majors

Majors in Russian and East European Studies may pursue a second major. When students pursue a second major in the College of Social Sciences and Public Policy they may count nine semester hours of course work toward both of their majors. For a second major in the College of Arts and Sciences, only six semester hours may count toward both of the majors.

Minor

Students pursuing a minor in the program must complete eighteen semester hours of Russian and East European course work beyond the liberal studies requirement. In this case none of the broader concepts and theories courses will count toward the eighteen semester hour minimum. Students may select freely from all area specific courses.

Approved Courses

Note: Descriptions of specific courses can be found under the individual departments in which they are taught. In addition to the courses listed below, special topics courses may be approved by the program director in any particular term. These courses appear on the term course lists and are available at the *International Studies Blackboard Organization* site as well as the program office in *211 Bellamy*.

Area Specific (twenty-four credit hours)

CPO 3101	European Union (1)
CPO 3733	Emerging Democracies of Central Europe (3)
CPS 4321	Contemporary Policy Studies: Contemporary Southeast Europe (3)
ECS 4333	Transition of Soviet and Eastern European Economies (3)
EUH 3205	19th-Century Europe: A Survey (3)
EUH 3551	Modern Poland (3)
EUH 3571	Russia to Nicholas I (3)
EUH 3572	History of Russia: 1825 to the Present (3)
EUH 4233	Rise of Nationalism (3)
EUH 4241	The Holocaust (3)
EUH 4242	World War I: Europe 1900-1918 (3)
EUH 4282	Europe in the Cold War and Detente (3)
EUH 4331	East-Central Europe from 1815 to Present (3)
EUH 4332	Balkans Since 1700 (3)
EUH 4574	19th-Century Russia (3)
EUH 4576	20th-Century Russia (3)
GEA 4500	Europe (3)
GEA 4554	Russia and Southern Eurasia (3)
INR 4083	International Conflict (3)
PHP 3510	Introduction to Marxist Philosophy (3)
RUS 4930r	Special Topics (3)
RUT 3110	Russian Literature in English Translation (3)
RUT 3504	Modern Russian Life (3)
RUT 3514	Russian Folklore and Fairy Tales (3)
RUT 3523r	Russian Cinema (3)
RUW 3100	Survey of Russian Literature I (3)
RUW 3101	Survey of Russian Literature II (3)
RUW 4470r	Modern Russian Literature (3)

SLL 3500 Slavic Culture and Civilization (3)

SLL 3510 The Slavic Vampire (3)

WOH 4244 World War II (3)

Note: See course descriptions for required prerequisites.

Comparative Concepts and Theories (six credit hours)

Recommended Social Science prerequisite courses

CPO 2002 Introduction to Comparative Government and Politics (3)

ECO 2013 Principles of Macroeconomics (3)

ECO 2023 Principles of Microeconomics (3)

INR 2002 Introduction to International Relations (3)

Other Concepts and Theories

ANT 2410 Introduction to Cultural Anthropology (3)

ANT 3212 Peoples of the World (3)

ANT 3610 Language and Culture (3)

ANT 4241 Anthropology of Religion (3)

ARH 2000 Art, Architecture, and Artistic Vision (3)

ARH 3056 History and Criticism of Art I (3)

ARH 3057 History and Criticism of Art II (3)

CPO 3034 Politics of Developing Areas (3)

CPO 4057 Political Violence (3)

ECO 3303 History of Economic Ideas (3)

ECO 4704 International Trade (3)

ECO 4713 International Finance (3)

ECS 3003 Comparative Economic Systems (3)

GEA 1000 World Geography (3)

GEO 1400 Human Geography (3)

GEO 3502 Economic Geography (3)

GEO 4421 Cultural Geography (3)

GEO 4471 Political Geography (3)

INR 3004 Geography, History, and International Relations (3)

INR 3084 Terror and Politics (3)

INR 3502 International Organizations (3)

INR 3603 Theories of International Relations (3)

INR 4011 Politics of Globalization (3)

INR 4075 International Human Rights (3)

INR 4078 Confronting Human Rights Violations (3)

INR 4083 International Conflict (3)

INR 4702 Political Economy of International Relations (3)

PAD 3003 Public Administration in American Society (3)

PHI 2010 Introduction to Philosophy (3)

PHI 2630 Ethical Issues and Life Choices (3)

PHI 3420 Philosophy of the Social Sciences (3)

PHI 3670 Ethical Theory (3)

PHI 3700 Philosophy of Religion (3)

PHI 3800 Philosophy and the Arts (3)

PHI 3882 Philosophy in Literature (3)

PHM 2300 Introduction to Political Philosophy (3)

PHM 3331r Modern Political Thought (3)

PHM 3400 Philosophy of Law (3)

PHM 4340r Contemporary Political Thought (3)

POT 3003 Introduction to Political Thought (3)

PSY 2012 General Psychology (3)

PUP 3002 Introduction to Public Policy (3)

REL 1300 Introduction to World Religions (3)

REL 3142 Religion: The Self and Society (3)

REL 3170 Religious Ethics and Moral Problems (3)

REL 3505 The Christian Tradition (3)

SOP 3004 Social Psychology (3)

SYA 4010 Sociological Theory (3)

SYG 1000 Introductory Sociology (3)

SYG 2010 Social Problems (3)

SYO 3530 Social Classes and Inequality (3)

SYP 3000 Social Psychology of Groups (3)

SYP 3350 Collective Action and Social Movements (3)

SYP 3454 The Global Justice Movements (3)

SYP 3540 Sociology of Law (3)

URP 3000 Introduction to Planning and Urban Development (3)

URP 4618 Planning for Developing Regions (3)

URS 1006 World Cities: Quality of Life (3)

Note: See course descriptions for required prerequisites. Additional Russian and East European Studies Courses (six credit hours)

Select from any approved Russian and East European Studies course and/or an approved internship.

INR 4941 Internship (3-6)

Definition of Prefix

EUS—European Studies

Undergraduate Courses

EUS 4905r. Directed Individual Study (1–3). May be repeated to a maximum of nine semester hours.

EUS 4970r. Honors Thesis (1–6). Six hours of credit must be taken in two successive semesters and must result in the production of a thesis. May be repeated to a maximum of nine semester hours.

Graduate Courses

EUS 5906r. Directed Individual Study (1–3). (S/U grade only.)

EUS 5910r. Supervised Research (1–3). (S/U grade only.)

For listings relating to graduate course work for thesis and master's examination and defense, consult the *Graduate Bulletin*.

SANSKRIT:
see Religion

SCIENCE:
see Secondary Science and/or Mathematics Teaching

SCIENCE EDUCATION:
see Middle and Secondary Education

Department of SCIENTIFIC COMPUTING

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://www.sc.fsu.edu/>

Chair: Gunzburger; **Associate Chairs for Graduate Studies:** Shanbhag, Ye; **Associate Chair for Undergraduate Studies:** Plewa; **Associate Chair for Computing:** Wilgenbush; **Professors:** El-Azab, Erlebacher, Gunzburger, Meyer-Baese, Navon, Peterson; **Associate Professors:** Beerli, Plewa, Shanbhag, Slice, Wang, Ye; **Assistant Professor:** Lemmon; **Research Associate:** Wilgenbush; **Courtesy Faculty:** Barbu, Burkardt, Cao, Dai, Lehoucq, Mascagni, Oates, Parks, Ridley, Ringler, Thuo, Trenchea, Van Engelen, Wang, Webster, Zhou

Program Overview

Over the last few decades, computations have joined theory and experimentation to form the three pillars of scientific discovery and technological design. Many of the important problems facing society can only be solved by teams of individuals from a variety of disciplines. Integral to these teams are computational scientists, who provide the simulation, optimization, and visualization algorithms used to solve problems on computers. The main activity of scientific computing is the development of computational tools that have applicability over a range of scientific disciplines.

The Department of Scientific Computing consists of faculty interested in the invention, analysis, implementation, and use of computational algorithms that can be applied to problems arising in several traditional disciplines such as biology and ecology, chemical engineering, chemistry, computer science, geology and geophysics, material science, mathematics, mechanical engineering, and physics and astrophysics. Faculty and graduate students are supported in their research by several federal, state, laboratory, and commercial organizations. Further breadth and depth is added to the research and educational missions of the department through faculty from other departments at Florida State University and individuals from several national laboratories who hold courtesy appointments in the department. These faculty members ensure that the department is ideally positioned to offer innovative degree programs that impart a synergy between the mathematical and applications aspects of scientific computing, thus providing the student with extensive interdisciplinary training.

Students are trained in a truly interdisciplinary environment. The undergraduate program offered by the Department of Scientific Computing is designed to provide broad training in the core methods of computational science across disciplines, followed by in-depth specialization in areas of particular interest to students. Even within specializations, the focus remains on interdisciplinary approaches to solving science and engineering problems. All students are also exposed to research-type experiences as part of the undergraduate degree program.

The Department of Scientific Computing offers the Bachelor of Science (BS) degree program in Computational Science. It also offers a minor in computational science. Please refer to the Department of Scientific Computing Web site at <http://www.sc.fsu.edu> for updates about the status of the minor and certificate programs.

Computational Resources

The Department of Scientific Computing oversees a large and diverse computing infrastructure in support of research and education. Computing resources include large supercomputers, a number of clusters and computational servers, a laboratory for scientific visualization, a bioinformatics server, and more. To best accommodate research, education, and application development, the department maintains a heterogeneous desktop and workstation environment, as well as a state of the art computer classroom. In addition, the department's Visualization Laboratory provides high-powered visualization resources to the FSU community for research, analysis of large data collections, and education.

Departmental Programs

The Department of Scientific Computing offers the Bachelor of Science (BS) degree program in Computational Science and a minor in computational science.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at ei-

ther a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.fvcc.org/fvcc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. MAC X311 (4) Calculus I
2. MAC X312 (4) Calculus II
3. ISC 3313 (3): Introduction to Scientific Computing or COP XXXX (3) [an introductory programming course in C, C++, Java, or an equivalent high-level programming language; COP 3014 at FSU] or other approved high-level programming course
4. BSC XXXX/XXXXL or CHM XXXX/XXXXL or GLY XXXX/XXXXL or MET XXXX/XXXXL or PHY XXXX/XXXXL: one laboratory based science course for 4 credit hours designed of science majors

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in computational science satisfy this requirement by earning a grade of “C–” or higher in ISC 3313 or COP 3014.

Academic Performance

A grade of “C–” or better is required in all courses required for the BS Degree in Computational Science. A student who has received more than five unsatisfactory grades (U, F, D–, D+) in science, mathematics, statistics, computer science, or engineering courses (and their prerequisites) required for the BS Degree in Computational Science, taken at Florida State University or elsewhere, including repeated unsatisfactory grades in the same required course, will not be permitted to graduate with a degree in computational science.

Requirements for the Baccalaureate Degree in Computational Science

Please review all university and college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this *General Bulletin*.

Changes to the computational science degree requirements are under way. Students should refer to the Department of Scientific Computing Web site at <http://www.sc.fsu.edu> or obtain, from the department office, revisions to the degree guidelines effected since this printing.

Students should complete the state of Florida common program prerequisites during their first two college years. In order to obtain final graduation clearance from the Department of Scientific Computing, all computational science majors must complete an exit survey.

Requirements for the BS Degree in Computational Science are provided as follows:

1. ISC 3222 Symbolic and Numerical Computations (3)
2. ISC 4220C Algorithms for Science Applications I (4)
3. ISC 4221C Algorithms for Science Applications II (4)
4. ISC 4304C Programming for Science Applications (4)
5. ISC 4223C Computational Methods for Discrete Problems (4)
6. ISC 4232C Computational Methods for Continuous Problems (4)
7. ISC 4931r Junior Seminar in Scientific Computing (1-2)
8. ISC 4932r Senior Seminar in Scientific Computing (1-2)
9. ISC 4943r Practicum in Scientific Computing (3)
10. MAS 3105 Applied Linear Algebra I (4)
11. Approved statistics course designed for statistics majors (3)
12. Approved science with lab designed for science majors (BSC, CHM, GLY, MET, or PHY) (4)
13. Approved Department of Scientific Computing electives (6)
14. Approved electives from the Department of Scientific Computing or other departments (12)

Requirements for a Minor in Computational Science

A minor in computational science requires a minimum of fourteen hours of coursework, including ISC 3222 (3) and ISC 4304C (4). The student must

take at least one Computational Science Algorithms course [ISC 4220C or ISC 4221C (4)] as well as a Computational Science course from approved list (3 or 4). Students must also satisfy stated prerequisites before enrolling in each course accepted for minor credit. Grades below “C–” will not be accepted for minor credit.

Definition of Prefixes

CAP—Computer Application Development

DIG—Digital Media

ISC—Interdisciplinary Natural Science

MAD—Mathematics: Discrete

MAP—Mathematics: Applied

Undergraduate Courses

Note: Additional undergraduate courses are being developed. Please refer to the Department of Scientific Computing Web site at <http://www.sc.fsu.edu> for an up to date list of undergraduate courses offered.

DIG 3725. Introduction to Game and Simulator Design (3). Prerequisite: MAC 2311. This course introduces basic techniques used to design and implement computer games and/or simulation environments. Topics include a historic overview of computer games and simulator, game documents, description and use of a game engine, practical modeling of objects and terrain, as well as the use of audio. Physics and artificial intelligence in games are covered briefly. Programming is based on a scripting language. The course is divided between lectures and practical assignments. Course topics are assimilated through the design of a 3D game to be designed and implemented in a team environment.

ISC 3313. Introduction to Scientific Computing (3). Prerequisite: MAC 2311. Corequisite: 2312. This course introduces the student to the science of computations. Topics cover algorithms for standard problems in computational science, as well as the basics of an object-oriented programming language, to facilitate the students’ implementation of algorithms.

ISC 3222. Symbolic and Numerical Computations (3). Prerequisites: MAC 2311 and MAC 2312. This course introduces state-of-the-art software environments for solving scientific and engineering problems. Topics include solving simple problems in algebra and calculus; 2-D and 3-D graphics; non-linear function fitting and root finding; basic procedural programming; methods for finding numerical solutions to DE’s with applications to chemistry, biology, physics, and engineering.

ISC 4220C. Algorithms for Science Applications I (4). Prerequisite: MAC 2312. Corequisite: ISC 3222. This course provides basic computational algorithms including interpolation, approximation, integration, differentiation, and linear systems solution presented in the context of science problems. The laboratory component includes algorithm implementation for simple problems in the sciences and applying visualization software for interpretation of results.

ISC 4221C. Algorithms for Science Applications II (4). Prerequisites: MAC 2312 and ISC 3222. Corequisite: ISC 4304C. This course offers stochastic algorithms, linear programming, optimization techniques, clustering and feature extraction presented in the context of science problems. The laboratory component includes algorithm implementation for simple problems in the sciences and applying visualization software for interpretation of results.

ISC 4223C. Computational Methods for Discrete Problems (4). Prerequisites: MAS 3105 and ISC 4304C. This course describes several discrete problems arising in science applications, a survey of methods and tools for solving the problems on computers, and detailed studies of methods, and their use in science and engineering. The laboratory component illustrates the concepts learned in the context of science problems.

ISC 4232C. Computational Methods for Continuous Problems (4). Prerequisites: MAS 3105 and ISC 4304C. This course provides numerical discretization of differential equations and implementation for case studies drawn from several science areas. Finite difference, finite element, and spectral methods are introduced and standard software packages are used. The laboratory component is used to illustrate the concepts learned on a variety of applications problems.

ISC 4244C. Computer Applications in Psychology with Laboratory (4). Prerequisites: PSY 2012 (BSC 2010L, CGS 2100, CGS 2960, or ISC 3313) and PSY 3213C. This course gives the students practical knowledge of a powerful and flexible programming language with application to computational and research elements important to the field of psychology. Topics include complex searches, image and audio manipulation, data analysis, and all in the context of using a variety of software tools and packages.

ISC 4302. Scientific Visualization (3). Prerequisites: MAC 1105 and MAC 2312. This course is an introduction to scientific visualization for large-scale computation and experimental data that covers the visualization methods and techniques, visualization results analysis and evaluation, and visualization practice. It teaches students the techniques for creating effective visual representations of 2D and 3D scientific data sets. The basic concepts, data structures, and algorithms in scientific visualization are presented and applied using datasets from different disciplines. Classic visualization techniques for scalar, vector, and tensor data such as marching cubes, ray casting, splatting, streamline, and line integral convolution etc. are introduced and popular visualization software is used.

ISC 4304C. Programming for Science Applications (4). Prerequisites: MAC 2312, COP 3014 or ISC 3313 or approved programming course. This course provides knowledge of a scripting language that serves as a front-end to many popular packages and frameworks, along with a compiled language such as C++. Topics include the practical use of an object-oriented scripting and compiled language for scientific programming applications. There is a laboratory component for the course; concepts learned are illustrated in several science applications.

ISC 4907r. Senior Directed Individual Study in Scientific Computation (1-4). Prerequisite: instructor permission. This course is available so that a faculty member can design an individualized course of study in an area of computational science for a student, in cases where such a class is not available in the current curriculum. The student and faculty member are responsible for preparing a syllabus of readings, exercises, and evaluations. May be repeated to a maximum of twelve semester hours.

ISC 4931r. Junior Seminar in Scientific Computing (1-2). (S/U grade only.) Prerequisite: Junior standing (sixty plus hours). Special topics course in computational science. May be repeated two times to a maximum of four semester hours, with a maximum of only two semester hours credit allowed to be applied to the Computational Science degree.

ISC 4932r. Senior Seminar in Scientific Computing (1-2). (S/U grade only.) Prerequisite: Senior standing (ninety plus hours). Special topics course in computational science. May be repeated one time to a maximum of four semester hours, with a maximum of only one semester hour credit allowed to be applied to the Computational Science degree.

ISC 4933r. Selected Topics in Computational Science (3). Prerequisite: Instructor permission. This course covers computational-science topics which are not covered by existing courses. May be repeated within the same term, to a maximum of twelve semester hours.

ISC 4943r. Practicum in Scientific Computing (3). Prerequisite: Senior standing (ninety plus hours). This practicum allows students to work individually with a faculty member throughout the semester and meet with the instructor periodically throughout the semester to make progress reports. Written and oral presentations of work are required. May be repeated to a maximum of six semester hours, with a maximum of only three semester hours credit allowed to be applied to the Computational Science degree.

Graduate Courses

- CAP 5771.** Data Mining (3).
ISC 5224. Introduction to Bioinformatics (4).
ISC 5225. Molecular Dynamics: Algorithms and Applications (3).
ISC 5226. Numerical Methods for Earth and Environmental Sciences (3).
ISC 5227. Survey of Numerical Partial Differential Equations (3).
ISC 5228. Monte Carlo Methods (3).
ISC 5229. Multiscale Modeling of Materials (3).
ISC 5236. Applied Groundwater Modeling (3).
ISC 5305. Scientific Programming (3).
ISC 5306. Programming Skills for Computational Biology and Bioinformatics (3).
ISC 5307. Scientific Visualization (3).
ISC 5308. Computational Aspects of Data Assimilation (3).
ISC 5314. Verification and Validation in Computational Science (3).
ISC 5315. Applied Computational Science I (4).
ISC 5316. Applied Computational Science II (4).
ISC 5317. Computational Evolutionary Biology (4).
ISC 5318. High-Performance Computing (3).
ISC 5415. Computational Space Physics (3).
ISC 5906r. Directed Individual Study in Computational Science (1-12).
ISC 5907r. Directed Individual Study in Computational Science (1-3).
ISC 5934. Introductory Seminar on Research in Computational Science (1).
ISC 5935r. Selected Topics in Computational Science (3-12).
ISC 5936. Numerical Methods for Stochastic Differential Equations (3).
ISC 5939r. Advanced Graduate Student Seminar in Computational Science (1-3).
ISC 5948r. Graduate Internship in Computational Science (3-6).
ISC 5975r. Thesis (3-12).
ISC 6981r. Dissertation (1-12).
ISC 8963r. Master's Comprehensive Examination (0).
ISC 8964r. Doctoral Qualifying Examination (0).
ISC 8965r. Doctoral Preliminary Examination (0).
ISC 8977r. Master's Thesis Defense (0).
ISC 8982. Dissertation Defense (0).
MAD 5420. Numerical Optimization (3).
MAD 5427. Numerical Optimal Control or Partial Differential Equations (3).
MAP 5395. Finite Element Methods (3).

For listings relating to graduate coursework for theses, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Interdisciplinary Program in SOCIAL SCIENCE

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY

Web Page: <http://www.coss.fsu.edu/iss/>

Director: Robert E. Crew, Jr., Office of the Dean, College of Social Sciences and Public Policy

The Interdisciplinary Program in Social Science (ISS) provides a multidisciplinary view of contemporary social issues and problems. The program offers students an opportunity to draw on the several disciplines of social science as they seek an understanding of public affairs and answers to questions about society. The departments whose courses may be utilized in the program are anthropology, economics, geography, history, political science, sociology, and urban and regional planning, along with the School of Public Administration and Policy.

The program will be particularly appealing to students who have wide-ranging interests in social issues. Its flexibility permits students to pursue specialized and pre-professional interests and to expose themselves to the variety of perspectives of the social sciences.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in the interdisciplinary program in social science satisfy this requirement by earning a grade of "C-" or higher in CGS 2060, CGS 2064, or CGS 2100.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutes necessary for admission into this upper-division degree program:

1. XXX XXXX: two introductory courses for a total of six credit hours in a social science discipline

Requirements

A major in the interdisciplinary program requires forty-two semester hours, including nine semester hours in courses taken to satisfy liberal studies requirements. For the usual major, work must be taken in at least three departments within the program. There must be a primary concentration of eighteen semester hours in one department, a second concentration of twelve semester hours in another department, while the remaining twelve semester hours may be distributed among any of the remaining social science departments. Students must complete a total of twenty semester hours in courses numbered above 2999. A minimum cumulative grade point average (GPA) of 2.0 on all coursework applied to the major must be maintained.

Students may also, rather than selecting courses in the manner identified above, seek an interdisciplinary concentration in four topical areas of study. These are environmental affairs, law and society, urban studies, and public service. Each of these concentrations are multicourse programs focusing on the named topics. For details about these concentrations, see the program director.

Majors must complete the basic university computer competency requirement. CGS 2060 with a grade of "C-" or better will satisfy this requirement.

In addition to a 2.0 overall GPA, all students must meet "mapping" requirements. See <http://www.academic-guide.fsu.edu/> for more information.

Degrees

The courses of study offered by the interdisciplinary program in social science lead to the Bachelor of Arts (BA) and Bachelor of Science (BS) degrees.

Requirements for a Minor in Social Sciences for Psychology or Criminology Majors at the Panama City Campus

A minor in the interdisciplinary program in social sciences is available for psychology students at the Panama City campus. Students may obtain the minor by successfully completing a total of fifteen semester hours of coursework in interdisciplinary social science participating departments, which include interdisciplinary social science, anthropology, economics, geography, history, political science, sociology, and urban and regional planning.

Honors in the Major

The ISS program participates in the upper-division honors in the major. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Definition of Prefixes

CPS—Comparative Policy Studies

HSC—Health Sciences

ISS—Interdisciplinary Social Sciences

Undergraduate Courses

CPS 4321. Comparative Policy Studies: Contemporary Southeast Europe (3). Contemporary problems and prospects for Southeast Europe.

CPS 4905r. Directed Individual Study (3). May be repeated to a maximum of nine semester hours.

ISS 1921r. Colloquium in Social Science and Public Affairs (1). Corequisite: Students must enroll in the Social Sciences/Public Policy LLC Program. This course provides a venue for discussing key issues and controversies that students are likely to encounter as they pursue a major in one of the social sciences. Students learn critical issues in debating public policy issues while also gaining an appreciation for topics that shape everyday life. Designed for students enrolled in the Social Science and Public Policy Living-Learning Community (SSPPLC). May be repeated to a maximum of two semester hours.

ISS 2932r. Seminar in Social Science and Public Affairs (3). Corequisite: Students must enroll in Social Sciences/Public Policy LLC Program. This course examines key issues and controversies that students are likely to encounter as they pursue a major in one of the social sciences. Topics vary, and look at major fields of study within the Social Sciences. Designed for students enrolled in the Social Sciences and Public Policy Living-Learning Community (SSPPLC). May be repeated to a maximum of twelve semester hours.

ISS 4905r. Directed Individual Study (1–3). May be repeated to a maximum of six semester hours.

ISS 4906r. Directed Individual Study (3). May be repeated to a maximum of six semester hours.

ISS 4907r. Honors Work (1–6). May be repeated to a maximum of nine semester hours.

ISS 4931r. Special Topics (1–3). May be repeated with permission of the director of the interdisciplinary program in social science to a maximum of eighteen semester hours.

ISS 4944r. Internship (3–6). Students are placed in a variety of employment situations related to their academic interest and conduct, under faculty supervision, research related to a problem or issue facing the sponsor of the internship. May be repeated to a maximum of six semester hours.

Graduate Courses

CPS 5424. Research Seminar in Comparative Political and Administrative Organization (3).

CPS 5906r. Directed Individual Study (3). (S/U grade only.)

CPS 5911r. Supervised Research (1–5). (S/U grade only.)

HSC 5930r. Special Topics in Social Science (1–3).

HSC 5945. Internship (3–6).

ISS 5125. Introduction to Economics for Executives (3).

ISS 5326. Marketing in the Public and Nonprofit Sector (1–3).

ISS 5386. Information and Communication Management (3).

ISS 5905. Direct Individual Study (3).

ISS 5951r. Problem Analysis Project (3).

ISS 5971r. Thesis (3–6). (S/U grade only.)

ISS 8966r. Master's Comprehensive Examination (0). (P/F grade only.)

ISS 8976r. Master's Thesis Defense (0). (P/F grade only.)

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

SOCIAL WORK

COLLEGE OF SOCIAL WORK

Web Page: <http://csw.fsu.edu/>

Professors: Abell, Ai, Mazza, Smith, Thyer, Vinton; **Associate Professors:** T. Gomory, Munn, Radey, Randolph, Wilke; **Assistant Professors:** Garland, Noel, Onifade, Tripodi; **Faculty Administrators:** Boone, Graham, Stanley, **Assistants in Field Education:** Deckerhoff, Verano; **Associates in Social Work:** Ashmore, Maddox; **Assistants in Social Work:** Berry, Dwyer, F. Gomory, Joseph, Kelley, Keroack, Kintz, Mathis, Ross-Donaldson; **Research Associates:** Calohan, Oehme, Shaheen

The College of Social Work offers programs of study leading to: (1) the Bachelor of Social Work (BSW) degree, designed to enable students to offer direct services to individuals, families, groups, and communities at the generalist level of social work practice; (2) the Master's of Social Work (MSW) degree, designed to develop advanced skills to engage in professional social work practice with concentrations in either clinical social work or social policy and administration; and (3) the Doctor of Philosophy (PhD) degree, which is designed to advance the social work profession through the development of researchers/scholars and educators.

Particular attention in all of our course offerings is given to the application of practice without discrimination and with respect, knowledge, and skills related to clients' age, class, color, culture, disability, ethnicity, family structure, gender, marital status, national origin, race, religion, sex, and sexual orientation.

For complete details of undergraduate degree requirements, plus a description of the College of Social Work, its opportunities, and available financial assistance, refer to the "College of Social Work" chapter of this *General Bulletin*, or our Web site at <http://csw.fsu.edu>. Refer to the *Graduate Bulletin* for graduate programs.

Minor in Social Welfare

A minor in social welfare requires sixteen hours in social work courses with a grade of "B–" or better in each course; SOW 1054, SOW 3203, SOW 3350, and SOW 4620. At least six hours must be completed at FSU. An application is required for the minor and to be registered for SOW 3350. Please note that the minor does not qualify a student to apply for advanced standing graduate programs in social work or for professional certification or licensure.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in social work satisfy this requirement by earning a grade of "C–" or higher in CGS 2060, CGS 2064, or CGS 2100.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. POS X041 or POS X042 or PUP X099
2. BSC X005 or BSC X085 or BSC X010 or PCB X099
3. ECO X000 or ECO X023
4. PSY X012 or PSY X020
5. SYG X000 or SYG X010

Definition of Prefix

SOW—Social Work

Undergraduate Courses

SOW 1054r. Human Services Experience (1). (S/U grade only.) Prerequisite: Instructor permission. This course entails a direct human service experience in a social services agency or community organization or program. Thirty hours of volunteer services are required per credit hour. Through the volunteer experience, students are able to observe the application of social work knowledge and skills within a human service program and to learn about the role social workers play in generalist practice settings with systems of all sizes. May be repeated to a maximum of two semester hours.

SOW 3203. Introduction to Social Work and Social Welfare (3). This course surveys the philosophy, history, and services of social welfare and the purpose, objectives, values, ethics, methods, and practice settings of the profession of social work. Attention is given to the role that social work and social welfare policies play in promoting social and economic justice for oppressed groups.

SOW 3350. Interviewing and Recording in Social Work (3). This overview class covers the basic elements of interviewing and recording as utilized in various helping professions including social work. The values and ethics of the social work profession are discussed, along with how interviews can help to promote social and economic justice.

SOW 4104. Human Behavior in the Social Environment I (3). Prerequisites: SOW 1054, SOW 3203, and SOW 3350. This course focuses on reciprocal relationships between human behavior and social environments. Content includes empirically-based theories and knowledge that focus on human development at the individual and family level, but as influenced by interactions between and among systems of all sizes, including groups, societies, and economic systems. Theories and knowledge of biological, psychological, sociological, cultural, identity, and spiritual development across the life span are critiqued, especially as they relate to populations-at-risk. Ways to promote social and economic justice while practicing as a social worker are also discussed.

SOW 4108. Women's Issues and Social Work (3). This course is designed to acquaint students with the factors that affect women throughout life and the role that social work plays in addressing these issues.

SOW 4152. Human Sexuality (3). Survey of issues and problems associated with human sexuality, intended for social workers and others in helping professions. Emphasis on sexually oppressed groups, sexual life cycle from a psychosocial perspective, and student's attitudes and values regarding sexuality.

SOW 4232. Social Welfare Policies and Programs (3). Prerequisites: SOW 1054, SOW 3203, and SOW 3350. The course provides a beginning understanding of the relationship between social welfare and social policy in American society from a social work perspective. Attention is given to the role that social work and social welfare policies and programs play in promoting social and economic justice for oppressed groups.

SOW 4290. Ethical Issues in Social Work Practice (3). This course provides students with a framework of knowledge and skills to prepare them for effective and ethical decision making that is congruent with codes of ethics and standard practice in the social-work profession. Also explored are the principles of ethical decision making and various value systems.

SOW 4323. Theory and Practice of Social Work with Groups (3). Prerequisites: SOW 1054, SOW 3203, SOW 3350, and SOW 4341. This course focuses on the development of generalist practice skills with various kinds of groups: educational, socialization, and support. This class covers practice skills that contribute to group effectiveness, including composition, structure, dynamics, goal setting, and evaluation. Content also includes examining the empirical bases of a range of theories and models for social work group practice.

SOW 4341. Social Work Practice I (4). Prerequisites: SOW 1054, SOW 3203, and SOW 3350. This is the foundation course for generalist social work practice that grounds students with practice knowledge, values, and skills that are demonstrated across direct practice roles with individuals and families in social work. The empirical bases of a range of theories and models of social work practice are examined, along with applications to generalist social work practice. Ways to promote social and economic justice while practicing as a social worker are also discussed.

SOW 4347. Social Networking and Case Management in Social Work (3). This course introduces students to the history, theoretical underpinnings, and strategies of case management in various service delivery systems. Contemporary issues and implications for the changing practice environment are highlighted.

SOW 4360. Social Work Practice II (3). Prerequisites: SOW 1054, SOW 3203, SOW 3350, and SOW 4341. This course focuses on the development of generalist practice skills at the mezzo and macro levels in task groups, organizations, and communities. In addition, the integration of mezzo- and macro-level skill sets is emphasized. The empirical bases of a range of theories and models of group, organization, and community behavior are examined, along with applications to generalist social work practice. The course utilizes an applied perspective whereby students work in task groups to carry out projects in organizational and/or community settings.

SOW 4403. Introduction to Social Work Research (3). Prerequisite: SOW 4414. This course introduces students to qualitative and quantitative research methods in order to provide an understanding of a scientific, analytic, and ethical approach to building knowledge for practice. Students' mastery of course content prepares them to develop, use, and effectively communicate empirically-based knowledge. Research knowledge is used by students to provide high-quality services; to initiate change; to improve practice, policy, and social service delivery; and to evaluate their own practice from an evidence-based perspective.

SOW 4414. Measurements in Social Work Research (3). Prerequisites: SOW 1054, SOW 3203, and SOW 3350. This course introduces students to quantitative tools used to describe and interpret data used in social work practice, research, and policy formation. Course content prepares students to understand, interpret, and conduct the statistical analyses necessary for the evaluation of effective social work practice, social policies, and social programs. Students learn to plan and conduct analyses guided by an understanding of social work values and ethics. Specific topics to be covered in class include descriptive statistics, basic probability, confidence intervals, hypothesis testing, analysis of variance, correlation, and regression.

SOW 4454. Grant Writing and Grant Management (3). Particularly in the public and not-for-profit sectors, grants may be necessary to expand the type or number of resources available to clients; therefore, grant writing is related to social work objectives that stress access to and availability of resources. This course covers the basics of proposals: purpose statements, background and justification, aims or objectives, personnel, time line, methods, budget, and evaluation, and how to effectively manage grants once they are funded. The needs of disenfranchised groups or communities are discussed in this course, along with the particulars of proposals that may be most effective in meeting such needs.

SOW 4510r. Undergraduate Field Instruction (6-12). (S/U grade only.) Prerequisites: A 3.0 GPA in social work courses and completion of all the required social work courses and prerequisites. Corequisite: SOW 4522. Supervised direct social work experience is provided in various human service settings. May be repeated to a maximum of twelve semester hours.

SOW 4522. Integrative Field Seminar (3). Corequisite: SOW 4510. This course assists students in the integration of their social work courses with social work practice. The course utilizes an ecosystems perspective, focusing on the students' ability to apply the knowledge and skills of generalist social work practice to systems of all sizes.

SOW 4602. Social Work in Health Settings (3). This course focuses on social work practice in health settings from a "person-in-environment" perspective, preparing students with an understanding of the roles that social workers play in health settings, the structure of health care delivery systems, organizational and professional ethics and standards, challenges we face in health care policy, and patient issues and how to help to address these issues. Specific knowledge and skills in a health care setting are addressed, including biopsychosocial assessments, chart documentation, treatment planning, and discharge planning.

SOW 4615. Family Violence Across the Lifespan (3). This course provides an ecological perspective emphasizing the interconnections between individuals experiencing violence and their social environments. Emphasis is placed upon broad coverage of all-important aspects of child abuse, incest, intimate partner violence, rape, and elder abuse. This course is appropriate for students who wish to gain skill in detecting and responding to incest situations for clients, sexual assault survivors, and victims of intimate partner violence or elder abuse.

SOW 4620. Diversity in Social Work Practice (3). This course enhances student understanding of human diversity and prepares students to engage in a lifetime pursuit of cultural competence. Students are encouraged to discuss the intricacies of their own particular diverse dominant and minority social statuses and their relations to other persons, especially future social work clients. Although the course is not designed to train students in particular practice skill sets, emphasis is placed on enhancing respectful and empathic communication.

SOW 4622. Social Work with Black Families (3). This course critically analyzes African-American/black family life, culture, structure, and functioning. The focus is on knowledge and skill development for family intervention. Specifically, students review the historical development of black families in America, evaluate and analyze major family theoretical models, identify practice strategies and gaps and/or deficiencies in the existing social work practice literature, and focus on the advantages and disadvantages of utilizing these models in practice with black families.

SOW 4627. Mental Health of Diverse Populations (3). This course critically examines various factors that impact the mental health of diverse populations. Students critically review/analyze recent mental health literature concerning the cultural context in which the mental health needs of diverse populations have evolved; the major services required to meet the mental health needs of diverse populations and the availability and accessibility of these services; and the strategies and skills (both micro and macro) necessary to improve the delivery of mental health and mental health related services to diverse populations.

SOW 4633. The Social Worker in the Public School System (3). School social workers seek to maximize student success and promote optimal learning opportunities by helping to remove the variety of barriers that prevent school-based personnel and children from working to the best of their abilities. This course introduces the student to school social work practice and related issues, such as biased educational practices, behavior, economic constraints, physical and emotional problems, and community and family adversity.

SOW 4645. Gerontological Social Work (3). This course introduces students to social gerontology and gerontological social work. Topics cover the demography of aging and the physical, cognitive, and psychosocial aspects of aging; social and health care policies that impact older persons, their caregivers, and the aging network of services; the impact of ageism, sexism, racism, ablebodyism, beatism, and homophobia on our work with older people; as well as the promotion of dignity, self-determination, and socio-economic justice for older people.

SOW 4647. Physical Aspects of Aging (3). This course covers age and health demographics, as well as attitudes toward aging and health. Topics include basic cellular or molecular theories of aging, how the human body's organ systems typically change over time, pathologies associated with aging, as well as psychological responses to normal and pathological changes.

SOW 4650. Child Welfare Practice (3). This course provides a framework of values, knowledge, and skills necessary to practice with vulnerable children and their families. The major focus is on social work in public child welfare agencies and children's mental health agencies. The course utilizes an ecosystems perspective for understanding and assessing the special needs of at risk children and families.

SOW 4658. Mental Health and Child Welfare (3). This course provides students with knowledge and skills related to the theory, research, and implications of child and adolescent maltreatment for child development and psychopathology.

SOW 4665. Theory and Practice of Social Work in Criminal Justice Settings (3). This course focuses on criminal theories and on the development of both evidence-based and generalist social-work practice skills pertinent to working in criminal-justice settings, alongside the individuals in the criminal-justice system. Focus is placed on theory and practice for social workers in corrections, prisoner-reentry programs, and juvenile-justice settings. The course covers the philosophy and practice of restorative justice and victim-offender mediation programs, emphasizing the needs of both offenders and victims.

SOW 4680. Living with AIDS: Prevention, Intervention and Care (3). This course provides a comprehensive overview of the biopsychosocial implications of HIV/AIDS. Topics include the origins of the illness, its prevalence and spread throughout world cultures, and its impact on the individual and society.

SOW 4702. Chemical Dependency Problems and Programs (3). This course covers the etiology and epidemiology of drug abuse, physiological and behavioral consequences of drug abuse, treatment approaches, and major policies and programs. Special attention is directed toward drug use in special populations, such as women, racial and ethnic minorities, gays and lesbians, persons with disabilities, and the elderly.

SOW 4784. International Social Work and Social Welfare (3). The course prepares students for international social-work practice and for transitional work with immigrants, refugees, international migrants, etc. It introduces international perspectives in the social-work field and offers varied examples of social-work practice in the U.S., and in Western, Central European, and Caribbean nations. The course examines the impact of the global interdependence on social-work practice and policy and helps students learn to critically analyze varied practice approaches utilized in dealing with international welfare issues.

SOW 4905r. Directed Individual Study (1-4). Prerequisites: Eight credit hours in social work, a 2.75 GPA, and instructor permission. May be repeated to a maximum of eight semester hours. See departmental guidelines.

SOW 4911r. Honors Work in Social Work (1-6). Prerequisites: Junior standing, a 3.2 or higher GPA, and at least one semester of twelve or more semester hours; junior college transfers with membership in Phi Theta Kappa may be admitted directly. A thesis, completed over a period of two or three semesters, based on traditional library research and critical analysis. May be repeated to a maximum of nine semester hours.

SOW 4935r. Seminar in Social Work: Selected Topics (3). May be repeated to a maximum of twelve semester hours as topics change.

Graduate Courses

- SOW 5105.** Human Behavior and the Social Environment I (3).
- SOW 5109.** Women's Issues and Social Work (3).
- SOW 5125.** Psychopathology in Clinical Practice (3).
- SOW 5153.** Human Sexuality (3).
- SOW 5235.** Policies and Programs in Social Services (3).
- SOW 5238.** Advanced Policy Analysis (3).
- SOW 5248.** Homelessness in America: Peoples, Program and Policies (3).
- SOW 5281.** Ethics in Social Work Practice (3).
- SOW 5282.** Legislative Advocacy (3).
- SOW 5308.** Social Work Practice (3).
- SOW 5324.** Group Treatment in Social Work Practice (3).
- SOW 5325.** Advanced Group Practice and Treatment (3).
- SOW 5334.** Organization and Community System Change (3).
- SOW 5335.** Theories and Models of Social Work Practice (3).
- SOW 5340.** Theory and Practice of Poetry Therapy (3).
- SOW 5345.** Advanced Social Services Administration (3).
- SOW 5349.** Social Networking and Case Management in Social Work (3).
- SOW 5353.** Marital and Couple Counseling in Social Work Practice (3).
- SOW 5367.** Theory and Practice of Crisis Intervention (3).
- SOW 5369.** Integrative Seminar in Advanced Social Work Practice (3).
- SOW 5376.** Budgeting and Finances in the Social Services (3).
- SOW 5377.** Personnel Administration in the Social Services (3).
- SOW 5404.** Introduction to Social Work Research (3).
- SOW 5432.** Evaluation of Social Work Practice (3).
- SOW 5435.** Social Program Evaluation (3).
- SOW 5455.** Grant Writing and Grant Management (3).
- SOW 5532r.** Graduate Field Instruction I (5-10). (S/U grade only.)
- SOW 5535r.** Graduate Field Instruction II (6-12). (S/U grade only.)
- SOW 5537r.** Field Instruction: Special Placement (3-12). (S/U grade only.)
- SOW 5603.** Social Work in Health Settings (3).
- SOW 5611.** Family Counseling in Social Work (3).
- SOW 5614.** Family Violence Across the Life Span (3).

- SOW 5623.** Social Work with Black Families (3).
- SOW 5628.** Mental Health of Diverse Populations (3).
- SOW 5635.** The Social Worker in the Public School System (3).
- SOW 5646.** Gerontological Social Work (3).
- SOW 5648.** Physical Aspects of Aging (3).
- SOW 5655.** Social Work with Children and Adolescents (3).
- SOW 5656.** Child Welfare Practice (3).
- SOW 5659.** Mental Health and Child Welfare (3).
- SOW 5666.** Theory and Practice of Social Work in Criminal Justice Settings (3).
- SOW 5688.** Living with AIDS: Prevention, Intervention and Care (3).
- SOW 5712.** Chemical Dependency Problems and Programs (3).
- SOW 5745.** Seminar on Loss and Bereavement (3).
- SOW 5785.** International Social Work and Social Welfare (3).
- SOW 5908r.** Directed Individual Study (1-4). (S/U grade only.)
- SOW 5915r.** Supervised Research (1-3).
- SOW 5938r.** Social Work Seminars: Selected Topics (3).
- SOW 5941r.** Supervised Teaching (1-3). (S/U grade only.)
- SOW 6358.** Measurement in Social Work Research I (2).
- SOW 6359.** Measurement in Social Work Research II (2).
- SOW 6399.** Social Policy Analysis (3).
- SOW 6407.** Survey Research Methods (3).
- SOW 6418.** Introduction to Linear Modeling for Applied Social Research (4).
- SOW 6466.** Social Work Research Using Secondary Data (3).
- SOW 6490.** Social Work Research Topics (2). (S/U grade only.)
- SOW 6492.** Foundation Research Methods (4).
- SOW 6494.** Advanced Research Methods (3).
- SOW 6495.** Systematic Reviews in Social Work Research (3).
- SOW 6496.** Qualitative Research Methods (3).
- SOW 6498.** Integrative Seminar (3).
- SOW 6499.** Intervention Research in Social Work (3).
- SOW 6755.** Theories and Models of Social Work Research (4).
- SOW 6775.** Professional Issues in Social Work (3).
- SOW 6904r.** Reading in Social Work/Social Welfare (1-6). (S/U grade only.)
- SOW 6909r.** Directed Individual Study (1-6). (S/U grade only.)
- SOW 6916r.** Supervised Research (1-6). (S/U grade only.)
- SOW 6930.** Teaching Seminar and Practicum (3). (S/U grade only.)
- SOW 6938r.** Selected Topics in Social Work (3).
- SOW 6942r.** Supervised Teaching (1-3). (S/U grade only.)
- SOW 6945r.** Practicum in Applied Research (2-6). (S/U grade only.)
- SOW 6960.** Preliminary Prep (0-12). (S/U grade only.)

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Department of SOCIOLOGY

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY

Web Page: <http://www.fsu.edu/~soc/>

Chair: Isaac Eberstein; **Professors:** Barrett, Carlson, Eberstein, Padavic, Quadagno, Reynolds; **Associate Professors:** Brewster, Rohlinger, Schrock, J. Taylor, Tillman, Tope, Ueno; **Assistant Professors:** Burdette, Ramirez, M. Taylor; **Associates in Sociology:** Lessan, Schwabe; **Assistant in Sociology:** Weinberg; **Professors Emeriti:** Fendrich, Ford, Hardy, Hazelrigg, Isaac, Kinloch, Martin, Nam, Orcutt; **Affiliate Faculty:** Chiricos, Miles, Milton, Perez-Felkner

Few fields have as broad a scope as sociology, the study of human groups and social life. The sociology major's interests range from the nuclear family to the many types of societies, from crime to religion, from the divisions of race and class to the integrating symbols of culture, from the sociology of occupations to politics. At Florida State University, the Department of Sociology examines all of these matters and others. Current research is ongoing in such diverse areas as gender, ethnicity, the welfare state, and population.

There are several reasons for pursuing a sociology degree. First, sociology addresses circumstances and events that affect students' lives today and in the future. Second, a sociology major provides a broad-based, liberal arts education that promotes understanding and sharpens analytical skills. Third, a sociology major is excellent preparation for a career in professions that require an ability to think and write analytically. Sociology graduates have found employment in academia, business, law, medicine, politics, and government. Fourth, sociology prepares students for advanced graduate work in anticipation of careers in research and teaching.

Sociology majors learn how to analyze the hiring, termination, and promotional practices of organizations; anticipate the changes humans will undergo in their life; practice market research; detect social trends; analyze statistical data; evaluate public policies; assess the impact of technological innovations; interpret political and social change in the world system; conduct surveys and interpret their results; project fertility and mortality patterns; and appreciate classic theories of social order and change.

The facilities and resources available to sociology majors include access to the microcomputer lab in the College of Social Sciences and Public Policy and opportunities to work closely with faculty on research projects. The department provides a wide range of courses on important aspects of social life, leading to greater understanding of human society and a variety of skills that are increasingly essential for citizens in a postindustrial, information-based, and rapidly changing global society.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in sociology satisfy this requirement by earning a grade of "C-" or higher in CGS 2060, CGS 2064, or CGS 2100.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.fvcc.org/fvccportal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. SYA XXXX or SYD XXXX or SYG XXXX or SYO XXXX or SYP XXXX
2. SYA XXXX or SYD XXXX or SYG XXXX or SYO XXXX or SYP XXXX

Core Program

For acceptance as a sociology major, students must have successfully completed Florida State University's math and English requirements for liberal studies with a grade point average (GPA) of 2.0 or better and meet "mapping" requirements. Sociology majors are encouraged to complete all liberal studies

requirements before admission to the College of Social Sciences and Public Policy. To fulfill the computer literacy requirement, students should complete CGS 2060, CGS 2064 or CGS 2100 with a grade of "C-" or better.

Degrees

Students may earn a Bachelor of Arts (BA) or a Bachelor of Science (BS) degree in sociology.

Major

Students must complete thirty semester hours in sociology, with a grade of "C-" or better in each course, including: SYA 4010 Sociological Theory, SYA 4300 Methods of Social Research, and SYA 4400 Social Statistics.

Transfer students must earn a minimum of fifteen semester hours in sociology at Florida State University. Transfer of the required upper-division courses (SYA 4010, 4300, and 4400) is subject to the approval of the departmental chair. Sociology majors must also complete a minor in another discipline. The number of hours for this minor is determined by the department in which the student minors.

Minor

General Minor in Sociology

A minor in Sociology may be earned by completing any fifteen semester hours in sociology with a grade of "C-" or better in each course. At least nine of the fifteen semester hours must be completed at Florida State University.

Minor in the Sociology of Health and Aging

The minor in the Sociology of Health and Aging consists of twelve semester hours of coursework in Sociology. All courses must be completed with a grade of "C-" or better. At least nine of the twelve semester hours must be completed at Florida State University.

The following courses are offered at least once per year and will include:

- SYA 4930r** Selected Topics in Sociology (3) (maximum of six hours of SYA 4930)
SYD 3020 Population and Society (3)
SYO 4402 Medical Sociology (3)
SYP 3730 Aging and the Life Course (3)
SYP 4550 Alcohol and Drug Problems (3)
SYP 4764 Aging Policies and Services (3)

Honors in the Major

The Department of Sociology offers a program of honors in the major to encourage talented juniors and seniors to undertake independent and original research as part of their undergraduate experience. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Definition of Prefixes

- DEM**—Demography
SYA—Sociological Analysis
SYD—Sociology of Demography/Area Studies/Sociological Minorities
SYG—Sociology: General
SYO—Social Organization
SYP—Social Processes

Undergraduate Courses

Introductory Course

SYG 1000. Introductory Sociology (3). An introduction to the fundamentals of sociology. Emphasis is placed on exposure to the basic findings of empirical research studies in a wide range of areas traditionally examined by sociologists.

Sociological Theory and Methods of Research

SYA 4010. Sociological Theory (3). This course introduces the student to the kind of theory that has developed in the field of sociology since its foundation, moving through to the contemporary scene. Major theoretical fields, major theorists, and dominant theoretical issues that continue to be part of the sociological approach to explanation are covered. This is a required course for sociology majors.

SYA 4300. Methods of Social Research (3). Broad coverage of research design, data collection, and data analysis. This is a required course for sociology majors.

SYA 4400. Social Statistics (3). This course involves the application of statistical techniques to sociological data as illustrated in the research and writing of social scientists. As a course for majors, it represents an important part of the student's methodological training with respect to the statistical analysis of data typically used by sociologists. The student is expected to carry out a number of exercises involving the statistical analysis of sociological data and to interpret the results. This is a required course for sociology majors.

The Family

SYG 2430. Sociology of Marriage and the Family (3). This course focuses on marriage and family relationships over the life course. Topics covered include dating, love, sexuality, cohabitation, marriage, divorce, reconstituted families, parenting, and marital and family relationships in later life. The major course objective is to critically analyze some of our most private social relationships from a sociological perspective.

SYO 3100. Family Problems and Social Change (3). A basic sociological approach to conditions, issues, and problems of familial organization within the context of changing institutional structures of modern society. Attention is given to such questions as: How have spouse roles changed, and why? How do changes in the organization of work affect family experience? How are family and kinship patterns affected by an aging population?

SYP 3703. Childhood in Society (3). This course is about childhood and youth in everyday life. This course explores central themes and features of children's peer cultures and considers the importance of family and peer experiences for children's social development.

Personality and Society (Social Psychology)

SYP 3000. Social Psychology of Groups (3). This course represents the study of social psychology from a sociological perspective. Specifically, it is an analysis of the influence of groups and the individual on each other, including the study of norms, group pressure, leadership, motivation, and social personality.

SYP 3350. Collective Action and Social Movements (3). There have been scores of social movements in the U.S. and around the world in this century. This course explores the origins and organization of social movements, the dilemmas and challenges facing social movements, the relationship between social movements and political institutions, and the role of social movements in causing social change.

SYP 4650. Sports and Society (3). This course explores the topic of sport from a critical perspective focusing especially on inequalities in gender, race, class, and power. This class jointly examines sports as a social mirror that reflects status inequalities as well as the role of sports in perpetuating social inequalities.

Population and Human Ecology

SYD 3020. Population and Society (3). This course examines the causes and consequences of population change in the United States and the world with an assessment of the impact of demographic change on various social institutions.

Social Issues and Change

SYD 3800. Sociology of Sex and Gender (3). This course provides a look at the sociological facets of gender and its effect in society.

SYD 4510. Environmental Sociology (3). This course examines the larger social forces that shape our natural environment; the social foundations of environmental problems; and the social responses to environmental issues, conflicts, and movements.

SYD 4700. Race and Minority Group Relations (3). An introduction to prevalent sociological concepts and theories utilized in the study of dominant-subordinate relationships between groups. The social significance of minority status is emphasized. Once introduced, concepts and theories are applied to the experiences of several nonwhite ethnic groups in the U.S. with special attention being devoted to contemporary black-white relationships. The reemergence of white ethnicity is discussed in relation to the above.

SYD 4730. African-Americans in Modern Society (3). This course examines the African-American experience in the U.S. with the goal of understanding how historical conditions and events shaped current circumstances. Focus is on African-Americans as situated in all major institutions (economy, polity, family, education, religion, welfare, military, criminal justice) and the consequences of their placement. The course applies sociological theories of race/ethnicity to past and current developments.

SYD 4794. Problems in American Society (3). This course uniquely addresses the way in which issues of inequality, poverty, labor, markets and work, urban problems, and discrimination are intertwined to produce continuing problems in American society.

SYG 2010. Social Problems (3). This course represents a study of various contemporary social problems in an urbanized society, which may include such topics as education, the family, politics, the economy, race relations, drug use and alcoholism, over-population, and other issues.

SYO 4352. The Sixties: Social Change, Social Movement (3). This course offers a detailed examination of major events and processes of the 1960's, especially the civil rights struggle, the Vietnam War and antiwar movement, and the counter culture, from a historical-sociological perspective that features the interplay of social change and social movements.

SYO 4374. Gender and Work (3). This course is an introduction to the cultural and structural mechanisms that reproduce gendered outcomes in the workplace. It addresses occupational segregation, the wage gap, sex differences in promotions, unpaid family work, explanations of inequality, strategies for change and resistance to change, and the intersections of gender, race, and class.

SYO 4402. Medical Sociology (3). This course explains why and how social structure influences the distribution of health and illness and illustrates how the medical care system is organized and responds.

SYP 3454. The Global Justice Movement (3). This course critically examines the history, organization, strategies, ideology, opponents, culture, and future prospects of the global justice movement.

SYP 3730. Aging and the Life Course (3). In coming years, Americans will have to make important decisions regarding the consequences of population aging. This course explores how changing life course patterns have influenced retirement, health care, politics, and family structure. It also considers the policy choices that will have to be made in the twenty-first century as the baby boom generation reaches retirement age.

SYP 4550. Alcohol and Drug Problems (3). This course presents a review and analysis of sociological approaches to the study of alcohol and drug problems. It addresses theoretical perspectives on recreational and deviant drinking and drug use and introduces important empirical methods in the study of alcohol and drug problems and current debates over alcohol and drug policy.

SYP 4570. Deviance and Social Control (3). This course focuses on major theories and research traditions, including structural and social psychological causes of deviant behavior, processes of labeling deviants, and social conflict over definition and treatment of deviance.

SYP 4764. Aging Policies and Services (3). This course examines issues faced by older people and the current federal and state policies and services designed to address these issues. It explores these policies and issues, in the context of both political economy and the long-term care continuum of services from independence to dependence.

Social Organization

SYD 3600. Cities in Society (3). This course explores changes in societal scale and structure associated with development of cities and urban societies; the impact on individuals and social groups of the urban context; and the ways that life in cities is influenced by social inequalities related to ethnicity, social class, and other dimensions of social organization.

SYO 3200. Sociology of Religion (3). A basic sociological perspective on the social organization and forms of religious life in modern society. Religious groups are studied as organizations that contribute to social stability, social conflict, and social change.

SYO 3460. Sociology of Mass Media (3). This course provides a sociological view of mass communications by critically examining the origin, history, and functions of the American mass media and its effect on social life.

SYO 3530. Social Classes and Inequality (3). Basic theory of social stratification is presented and used in description of the stratification system in the United States and other nations. Opportunity for social mobility in the social structure is assessed and compared with rates of mobility in other countries.

SYO 4300. Sociology of Politics (3). This course deals with American political institutions, political organizations, pressure groups, and the public's participation in political processes. Discussion focuses on current political issues from a sociological perspective.

SYO 4350. Sociology of Business, Labor, and Government (3). The primary focus of this course is on the interrelationships among business and production organizations, labor interests and struggles, and the state and state policies, from various theoretical and historical perspectives. In addition to critical evaluation of conventional political-economic perspectives, the course will examine recent sociological work on the state, the labor movement, and industry.

SYO 4370. The Changing Workplace (3). This course examines the historical development of work and employment relations in the United States. Topics covered include some of the persistent challenges of work, such as the balance between work and family life; inequalities in wages and employment; the struggle to find meaningful work; and the opportunities and challenges presented by the new economy, marked by a combination of high-end professional and technical occupations and low-wage service jobs.

SYP 3540. Sociology of Law (3). This course examines the interrelationship between the legal order and the social order. Limitations of civil and criminal law for conflict management and for implementation of social policy are considered.

Others

SYA 4905r. Directed Individual Study (3). Consent of instructor and departmental chair required. May be repeated to a maximum of nine semester hours.

SYA 4930r. Selected Topics in Sociology (3). May be repeated to a maximum of nine semester hours.

SYA 4931r. Honors Work (3). May be repeated to a maximum of nine semester hours.

SYA 4932r. Tutorial in Sociology (1). Prerequisite: Upper-division sociology major or minor status. Reading and analysis of primary literature on selected topics in contemporary sociology. May be repeated to a maximum of three semester hours.

SYA 4935r. Capstone for Outstanding Majors (3). Through course readings, discussion, and projects, students learn more about how to apply social theory and methods to conduct research and design programs to address social inequality. The course focus varies from offering to offering, depending on the instructor's area of expertise. Students are invited to enroll in this course based on GPA. May be repeated to a maximum of six semester hours when content changes.

Graduate Courses

Core

SYA 5018. Classical Social Theory (3).

- SYA 5126.** Contemporary Sociological Theory (3).
SYA 5305. Introduction to Research Methods (3).
SYA 5315. Qualitative Research Methods in Sociology (3).
SYA 5355. Comparative Historical Sociology (3).
SYA 5406. Multivariate Analysis (3).
SYA 5407. Advanced Quantitative Methods (3).
SYA 5455. Social Statistics and Data Analysis (3).
SYA 5515. Sociological Research Practicum (0-3). (S/U grade only.)
SYA 5516. Reporting Sociological Research (3). (S/U grade only.)
SYA 6936r. Selected Topics in Research Methods (3).

Demography

- DEM 5906r.** Directed Individual Study (1-3). (S/U grade only.)
DEM 5910r. Supervised Research (1-5). (S/U grade only.)
DEM 5930r. Special Topics in Demography (3).
DEM 5972r. Master's Research Paper in Demography (3-6). (S/U grade only.)
DEM 8977. Master's Research Paper Defense (0). (S/U grade only.)
SYD 5045. Introduction to Demography (3).
SYD 5046. International Population Dynamics (3).
SYD 5105. Population Theory (3).
SYD 5133. Population Data (3).
SYD 5135. Techniques of Population Analysis (3).
SYD 5215. Health and Survival (3).
SYD 5225. Fertility (3).
SYO 5177. Family Demography (3).

Health and Aging

- SYA 5326.** Injury Epidemiology (3).
SYA 6912. Epidemiology Research Paper (6). (S/U grade only.)
SYD 5134. Environmental Epidemiology (3).
SYD 5136. Life Course Epidemiology (3).
SYD 5137. Fundamentals of Epidemiology (3).
SYD 5138. Infectious Disease Epidemiology (3).
SYD 5139. Chronic Disease Epidemiology (3).
SYO 5405. Health Institutions and Social Policy (3).
SYO 5416. Stress and Mental Health (3).
SYO 5426. Gender and Mental Health (3).
SYO 6407. Race, Ethnicity and Health (3).
SYP 5735. Sociology of Aging (3).
SYP 5737. The Dynamics of Aging and Social Change (3).

Social Issues and Change

- SYP 5738.** Aging Policies and Services (3).

Social Psychology

- SYP 5005.** Social Interaction (3).
SYP 5006. Identity and the Self (3).
SYP 5007. Sociology of Emotion (3).
SYP 5065. Sexuality Over the Life Course (3).
SYP 5105. Theories of Social Psychology (3).
SYP 5516. Sociological Theories of Deviance (3).
SYP 5733. Social Psychology of Aging (3).

Stratification and Social Justice

- SYD 5705.** Sociology of Race and Ethnicity (3).
SYD 5817. Contemporary Theories of Gender (3).
SYO 5107. Sociology of the Family (3).
SYO 5306. Political Sociology (3).
SYO 5335. Sociology of Political Economy (3).
SYO 5376. Sociology of Gender and Work (3).
SYO 5535. Inequalities: Race, Class, Gender (3).
SYO 5547. Race and Gender in Organizations (3).
SYO 6255. Sociology of Education (3).
SYO 6373. Sociology of Work and Labor Markets (3).
SYO 6506r. Advanced Research Seminar in Social Organization (3-9).
SYO 6538r. Advanced Research Seminar In Stratification and Inequality (3-9).
SYP 5305. Collective Behavior and Social Movements (3).
SYP 5447. Sociology of National Development (3).
SYP 6356. Sociology of the Contemporary Women's Movement (3).

General

- SYA 5625r.** Proseminar in Sociology (0-3). (S/U grade only.)
SYA 5645. Critical Thinking and Proposal Preparation (3).
SYA 5907r. Directed Individual Study (3). (S/U grade only.)
SYA 5909r. Directed Individual Study (1-3). (S/U grade only.)
SYA 5912r. Supervised Research (1-5). (S/U grade only.)
SYA 5946r. Supervised Teaching (1-5). (S/U grade only.)
SYA 5971r. Master's Paper Research (0-6). (S/U grade only.)
SYA 6507. Writing Seminar for Social Scientists (3).
SYA 6660. Teaching at the College Level in Sociology (3).
SYA 6933r. Selected Topics in Sociology (3).
SYA 6938r. Selected Topics in Social Institutions, Social Organization, and Social Policy (3).
SYA 6980r. Dissertation (1-12). (S/U grade only.)
SYA 8945r. Doctoral Review Paper (1-12). (S/U grade only.)
SYA 8962r. Major Area Doctoral Preliminary Exam (0). (P/F grade only.)
SYA 8967r. Preparation for Major Area Preliminary Exam (1-12). (S/U grade only.)
SYA 8976. Master's Paper Completion (0). (S/U grade only.)
SYA 8981. Doctoral Review Paper Defense (0). (P/F grade only.)
SYA 8985r. Dissertation Defense (0). (P/F grade only.)

For listings relating to graduate course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

SPANISH:
see Modern Languages and Linguistics

Department of SPORT MANAGEMENT

COLLEGE OF EDUCATION

Web Page: <http://www.coe.fsu.edu/SM>

Chair and Professor: Jeffrey D. James; **Associate Professors:** Giardina, Kim, Newman; **Assistant Professors:** Rodenberg, Wells; **Research Associate:** Reynaud; **Associates in Sport Management:** Nobles, Pappas

The Department of Sport Management offers a Bachelor of Science (BS) in Sport Management. Students seeking admission to the Sport Management major must hold a 2.75 GPA in all college coursework and a “C” in all math and English courses. A minimum grade of “C–” or better must be earned in each prerequisite course to be eligible for admission into the program. A minimum grade of “C–” or better must be earned in each departmental core course, in each departmental elective course, and in each non-departmental elective course. If at any point a student has a combination of three or more “D” and/or “F” grades in departmental core, departmental elective, or non-departmental elective courses, the student may be dismissed from the Sport Management program and required to change their major.

The department utilizes centralized advising procedures and all entering students must be advised by the designated coordinator of undergraduate studies.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in Sport Management satisfy this requirement by earning a grade of “C–” or higher in CGS 2060, CGS 2100 or EME 2040.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.fvc.org/fvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

Sport Management

1. FIN XXXX or MAR XXXX or GEB XXXX
2. MAN XXXX or BUL XXXX or CGS XXXX or STA XXXX or ACG XXXX or REE XXXX
3. HFT XXXX or RMI XXXX or ECO XXXX or SDS XXXX or COM XXXX

Limited Enrollment Programs

No student, transfer or otherwise, may be admitted to limited access, College of Education programs without first completing the general education and program prerequisites. Eligible courses will be determined by the community college or university where the student currently is earning the AA or baccalaureate degree and will be published in the institution’s catalog and in the *Community College Counseling Manual*.

Sport Management Program

The Sport Management program provides academic coursework necessary to prepare a person to pursue a graduate degree in Sport Management or entry-level employment in a variety of work environments. The course of study leading to a baccalaureate degree with a major in Sport Management encompasses three areas of work: (1) required block and foundation courses; (2) business practices; and (3) electives. The undergraduate major in Sport Management is designated Limited Access and applicants must meet the following eligibility requirements for formal admission to the upper-division program:

- Certification to upper-division OR conferral of the Associate in Arts degree from a Florida public postsecondary institution;
- Completion of a minimum of sixty semester hours;

- Completion of the statewide common prerequisite courses for the program area;
- Hold a minimum cumulative GPA of 2.75 on all attempted college credits;
- Submission of the program-specific application package to the Department of Sport Management on or before March 1 of the Spring term preceding Fall admission to the major.

Definition of Prefixes

- PEL—Physical Education Activities (General): Land-Object Centered
 PEM—Physical Education Activities (General): Land-Performance Centered
 PEN—Physical Education Activities (General): Water, Snow, Ice
 PEO—Physical Education Activities (Professional): Land-Object Centered
 PEP—Physical Education Activities (Professional): Land-Performance Centered
 PET—Physical Education Theory
 SPM—Sports Management

Undergraduate Courses

Elective Courses for Non-majors

Note: The 1000-level courses with the repeat designation of “r” may be repeated for a maximum of four semester hours, but only two hours may count toward the university’s 120 hour graduation requirement.

- PEL 1111r. Bowling (1). (S/U grade only.)
 PEL 1121r. Golf (1). (S/U grade only.)
 PEL 1124r. Varsity Golf (1). (S/U grade only.)
 PEL 1214r. Varsity Softball (1). (S/U grade only.)
 PEL 1219r. Varsity Baseball (1). (S/U grade only.)
 PEL 1321r. Volleyball (1). (S/U grade only.)
 PEL 1324r. Varsity Volleyball (1). (S/U grade only.)
 PEL 1341r. Tennis (1). (S/U grade only.)
 PEL 1344r. Varsity Tennis (1). (S/U grade only.)
 PEL 1441r. Racquetball (1). (S/U grade only.)
 PEL 1511r. Soccer (1). (S/U grade only.)
 PEL 1544r. Varsity Soccer—Women (1). (S/U grade only.)
 PEL 1621r. Basketball (1). (S/U grade only.)
 PEL 1624r. Varsity Basketball (1). (S/U grade only.)
 PEL 1644r. Varsity Football (1). (S/U grade only.)
 PEL 1646r. Flag Football (1). (S/U grade only.)
 PEL 1650. Ultimate Frisbee (1). (S/U grade only.)
 PEM 1101r. Physical Conditioning (1). (S/U grade only.)
 PEM 1121. Stretch and Relaxation (1). (S/U grade only.)
 PEM 1131r. Basic Weight Training (1). (S/U grade only.)
 PEM 1141r. Aerobic Conditioning (1). (S/U grade only.)
 PEM 1148. Fitness Walking (1). (S/U grade only.)
 PEM 1171r. Aerobic Dance (1). (S/U grade only.)
 PEM 1304r. Varsity Track (1). (S/U grade only.)
 PEM 1314r. Varsity Cross-Country (1). (S/U grade only.)
 PEM 1405r. Self-Defense/Martial Arts (1). (S/U grade only.)
 PEM 1952. Circus Activities (1). (S/U grade only.)
 PEN 1121r. Basic Swimming (1). (S/U grade only.)
 PEN 1124r. Varsity Swimming (1). (S/U grade only.)
 PEO 2013. Sports Officiating (2).
 PEO 2624. Theory and Practice of Basketball (2).
 PEO 3219. Theory and Practice of Baseball (2).
 PEO 3644. Theory and Practice of Football (2).
 PEP 1001r. Contemporary Activities Techniques (1). (S/U grade only.) May be repeated during the same semester.
 PEP 3304. Theory and Practice of Track and Field (2).
 PET 2303C. Applied Anatomical and Physiology Concepts (4).
 PET 2622C. Care and Prevention of Sport Injuries (3).

Courses for Physical Education Majors (suspended)

DAE 4300. Educational Dance (2). Prerequisites: PET 4710 and PET 4710L. Follows the movement framework for educational dance with a focus on the exploration of themes and the refinement of movement sequences and creative dances.

PEO 2013. Sports Officiating (2). Prerequisites: PET 4300 and PET 4302C.

PEO 2624. Theory and Practice of Basketball (2). Teaching and coaching techniques in basketball including current trends and offensive and defensive systems.

PEO 3219. Theory and Practice of Baseball (2). All phases of baseball technique, strategy, teaching, and coaching procedures.

PEO 3644. Theory and Practice of Football (2). Organization, game theory, and the fundamental techniques of playing, teaching, and coaching.

PEO 4006. Educational Games I (3). An analysis of fundamental games skills using the content development framework, movement analysis framework, and games stages for planning and teaching games content in physical education classes.

PEO 4009. Educational Games II (3). Prerequisites: PEO 4006 and PET 4300. An analysis of racquet sports and team sports using the content development framework and games stages for planning and teaching games content in physical education classes.

PEO 4020. Sport Tactics (3). This course is designed to promote interest in sports, an understanding of game play, and the ability to play games for a lifetime of physical activity. Students of all levels learn sport tactics and strategies for a variety of sports and games.

PEP 3304. Theory and Practice of Track and Field (2). Concepts of the fundamental techniques in track and field, emphasis on varsity coaching and instructional methods.

PEP 4206. Educational Gymnastics (2). Prerequisites: PET 4710 and PET 4710L. Corequisites: PET 4713 and PET 4713L. Follows the movement framework with a focus on developing a variety of gymnastics responses and a broad repertoire of gymnastics movements. Covers the content of a K–12 curriculum.

PET 4400. Managerial, Ethical, and Organizational Aspects of Physical Education (3). Prerequisites: PET 4713 and PET 4714. Corequisite: PET 4945. This course will be oriented specifically toward an understanding of the following: class management and discipline across K–12 programs; ethical and legal concerns in the profession; organization and administration of physical education; and induction into the profession.

PET 4432. Early Childhood Physical Education (3). Prerequisite: PET 4710. A required course for all physical education majors to be certified K–8. The course content focuses on the development of preschool and primary grade children. Emphasis on the role of educational games, dance, and gymnastics in the development of motor, cognitive, and affective skills.

PET 4512. Assessment in K–12 Physical Education (3). This course prepares preservice teachers to use skills and knowledge necessary to effectively assess student achievement in K–12 physical education within the cognitive, psychomotor, and affective domains.

PET 4513. Developing Electronic Teaching Portfolios in Physical Education (3). Prerequisite: EME 2040. Corequisites: PEO 4006, PET 4051, PET 4710, and PET 4710L. In this course, students develop an electronic teaching portfolio to document growth and development toward the Florida 12 Professional Accomplished Practices.

PET 4640C. Adapted Physical Education (3). Principles and methods of adapting regular programs and providing special programs of physical education appropriate to needs of handicapped students. Laboratory and fieldwork experiences included.

PET 4710. Instructional Aspects of Physical Education (2). Corequisite: PET 4710L. Instructional methods in physical education emphasizing the physical activity needs of students and effective teaching styles.

PET 4710L. Physical Education Instructional Practicum (1). Corequisite: PET 4710. Focuses on the application of effective instructional methods in the school physical education setting.

PET 4712. Methods and Materials of Teaching Fitness, K–12 (3). Prerequisite: Instructor permission. This course focuses on how to implement a lifetime, health-related physical fitness program in kindergarten through high school physical education classes and in community settings. Students will update their knowledge of exercise physiology, design learning activities, and develop strategies to teach lifetime fitness to children and adolescents.

PET 4713. Physical Education Instruction I, K–12 (3). Prerequisites: PET 4710 and PET 4710L. Corequisite: PET 4713L. Focus is on teaching physical education to upper elementary, middle, and high school students, with instruction on developmental needs, teaching skills, analysis and observation, and curriculum.

PET 4713L. Physical Education Practicum, K–12 (1). Prerequisites: PET 4710 and PET 4710L. Corequisite: PET 4713. Development of effective instructional skills through the planning, teaching, and assessment of experiences with upper elementary, middle, and high school students.

PET 4714. Physical Education Instruction II, K–12 (3). Prerequisites: PET 4713 and PET 4713L. Corequisite: PET 4714L. Focus on teaching physical education to primary elementary and high school students, with instruction on developmental needs, teaching skills, analysis and observation, and curriculum.

PET 4714L. Physical Education Practicum II, K–12 (1). Prerequisites: PET 4713 and PET 4713L. Corequisite: PET 4714L. Development of effective instructional skills through the planning, teaching, and assessment of experiences with primary elementary and high school students.

PET 4765. Principles and Problems of Coaching (3). The study of vital socio-psychological aspects of coaching.

PET 4771C. Applied Physical Fitness Concepts (3). Prerequisite: PET 4302C. This course is designed to examine techniques of evaluation for physical fitness and health, with a particular emphasis on aerobic capacity, flexibility, strength, and body composition. It entails the design, implementation, and administration of programs for developing physical fitness and lifestyle changes.

PET 4940r. Practicum in Physical Education (1-6). (S/U grade only.) Noncertification program. May be repeated to a maximum of ten semester hours. For physical education noncertification majors only.

PET 4945. Student Teaching in Physical Education (9). (S/U grade only.) Prerequisites: PET 4432, PET 4710, and PET 4713. A one-semester school experience in the role of a professional educator.

Courses for Sport Management Majors

Note: The courses with the designation of “r” may be repeated.

PEO 2013. Sports Officiating (2).

PEO 2624. Theory and Practice of Basketball (2). Teaching and coaching techniques in basketball including current trends and offensive and defensive systems.

PEO 3219. Theory and Practice of Baseball (2). All phases of baseball technique, strategy, teaching, and coaching procedures.

PEO 3644. Theory and Practice of Football (2). Organization, game theory, and the fundamental techniques of playing, teaching, and coaching.

PEP 3304. Theory and Practice of Track and Field (2). Concepts of the fundamental techniques in track and field, emphasis on varsity coaching and instructional methods.

PET 2303C. Applied Anatomical and Physiology Concepts (4). Prerequisite: CHD 2220. Anatomical and physiological functions of the human body are applied to movement and physical fitness. Lecture and laboratory activities relate information to teaching physical education in schools.

PET 2622C. Care and Prevention of Sport Injuries (3). Prerequisite: PET 2303C. This course discusses specific sport injuries, their treatment, and preventive procedures.

PET 4051. Human Movement Studies (3). Explores the developmental, biomechanical, and motor learning principles affecting human movement. Emphasizes movement assessment in field-based settings.

PET 4765. Principles and Problems of Coaching (3). The study of vital socio-psychological aspects of coaching.

SPM 4003. Careers in Professional Sport (3). This course covers issues related to professional sports, including sport agents, contracts, the draft process, salary negotiations, and insurance.

SPM 4004. Issues in Sport Management (3). This course introduces students to the major topics, trends, problems, and issues involved in athletics and sport management.

SPM 4011. Sport History (3). This course provides a survey of significant time periods beginning with the Ancient Greeks and ending with the current society. The survey reviews sport issues and practices across time, aiming to inform students about the role of sport in our current society.

SPM 4012. Sport in Society (3). This course covers the role of sports in the United States, focusing on sports as social and cultural phenomena. Focus is on the relationships between sports and social variables such as race and gender, social institutions such as education and family, as well as social issues such as drug use and violence.

SPM 4013. Cross-Cultural Sport (3). This course approaches sport through a variety of global perspectives and cultural lenses. Students are exposed to different national contexts, histories, leagues, and governing bodies, as well as the social, cultural, political, and economic imperatives organizing sport and its management, including global mega-events (e.g., Olympics, World Cup) and national structures (e.g., Barclays Premier League).

SPM 4015. Sport and Film (3). This course allows students to use film and media studies theory to critically engage and interpret a series of popular sport-related films. By the end of the course, students are able to write and think critically about the role that film in general, and sport-based films in particular, play in promoting and challenging dominant formations of gender, sexuality, nationalism, race, social class, and ability in Western society.

SPM 4020. Issues in International Sport (3). This course is a discussion of current issues impacting the international sport industry. The course includes site visits and discussions of issues that industry professionals in international settings face.

SPM 4025. Diversity in Sport (3). This course examines the role and impact that ethnicity, racism, gender, and other diversity topics have had on sport, while providing students with an opportunity to develop an understanding and appreciation for diversity in sport.

SPM 4104. Facility and Event Management (3). Students in this course learn the factors involved in obtaining, running, and managing athletic events. They also learn the guidelines for designing, constructing, maintaining, scheduling, and managing an athletic facility.

SPM 4124. Human Resource Management in Sport (3). This course offers an introduction to the basic elements of human-resource management in sport organizations.

SPM 4154. Introduction to Sport Management (3). This course provides an introduction to the diverse field of sport management. Topics cover career opportunities within the sport industry, as well as knowledge relevant to the management, marketing, legal, and financial operations of sport organizations.

SPM 4204. Ethics in Sport (3). This course is designed to examine major moral/ethical issues within sport. Students are introduced to critical-thinking regarding ethical issues in sport and learn to use moral reasoning to make ethical decisions in sport.

SPM 4304. Event and Special Projects (3). Promotion in sport. Topics and issues involved in the promotions and marketing of sporting events. An examination of the evolution of large-scale corporate marketing strategies.

SPM 4505. Sport Finance (3). This course provides an introduction to financial strategies related to sport entities and organizations.

SPM 4604. Sport Governance (3). Topics and issues discussed involve the organizational theory, behavior, and structure of various sport organizations. The evolution of power and political activity engulfing sport organizations is examined. Concepts of leadership and management related to the sport industry are presented. An outside project enhances the student's understanding of a selected sport organization and its event.

SPM 4630. International Sport Venues (3). This course is a study of the design and management of international sport venues. Topics include design, marketing, facility image, media and public relations, among others. The course includes site visits and discussions of issues and challenges that venue managers face.

SPM 4723. Legal Issues in Physical Education (3). This course introduces students to the legal structures, major laws, regulations, and precedents in law in sport and physical education.

SPM 4905r. Directed Individual Study (1-3). (S/U grade only.) This course enables undergraduate study of a research problem. Students work with faculty supervision to complete an independent project pertaining to a particular topic of interest. May be repeated to a maximum of twelve semester hours as topics vary. May be repeated within the same semester.

SPM 4931r. Special Topics in Sport Management (3). This course offers an analysis of selected topics in the sport-management field. May be repeated to a maximum of twelve semester hours.

SPM 4941r. Practicum in Sport Management (3). This course provides opportunities for practical experience in various areas of sport management. The practicum is intended to provide students with work experience in a sport organization. May be repeated to a maximum of nine semester hours.

Graduate Courses

- PEO 5002. Educational Games II (3).
 PEO 5042. Educational Games I (3).
 PEP 5208. Educational Gymnastics (3).
 PET 5235. Motor Learning for Coaches (3).
 PET 5252. Gender Issues in Sport and Physical Activity (3).
 PET 5419. Supervision in Physical Education (3).
 PET 5423. Educational Dance (3).
 PET 5425. Curriculum Design in Physical Education (3).
 PET 5437. Foundations of Movement for Children (3).
 PET 5447. Secondary School Physical Education Curriculum Theory and Development (3).
 PET 5514. Developing Electronic Teaching Portfolios in Physical Education (3).
 PET 5516. Assessment in K-12 Physical Education (3).
 PET 5645. Programs in Adapted Physical Education (3).
 PET 5715. Effective Teaching in Physical Education (3).
 PET 5716. Analysis and Observation of Teaching in Physical Education (3).
 PET 5717. Models in Teaching Physical Education (3).
 PET 5718. Interdisciplinary Teaching (3).
 PET 5719. Reflective Teaching in Physical Education (3).
 PET 5735. Advanced Coaching (3).
 PET 5774. Methods and Materials of Teaching Fitness, K-12 (3).
 PET 5971r. Thesis (1-6). (S/U grade only.)
 PET 6706. Research on Teaching (3).
 PET 6790. Professional Preparation of Teachers of Physical Education (3).
 PET 6931r. Advanced Topics (1-4).
 PET 6939r. Seminar in Research on Teaching Physical Education (3).
 PET 6969. Doctoral Qualifying Exam (0). (P/F grade only.)
 PET 6980r. Dissertation (1-12). (S/U grade only.)
 PET 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)
 PET 8966r. Master's Comprehensive Examination (0). (P/F grade only.)
 PET 8968r. Specialist in Education Comprehensive Examination (0). (P/F grade only.)
 PET 8976r. Master's Thesis Defense (0). (P/F grade only.)
 PET 8982r. Dissertation Defense (0). (P/F grade only.)
 SPM 5021. Global Sport Venues (3).
 SPM 5022. Global Issues in Sport Management (3).
 SPM 5027. Diversity in Sport (3).
 SPM 5055. Sport, Culture, and the Body (3).
 SPM 5102. Research Methods in Sport Management (3).
 SPM 5106. Facility Management in Sport (3).
 SPM 5116. Strategic Management for Sport Organizations (3).
 SPM 5158. Athletic Administration (3).
 SPM 5206. Sport Sponsorship and Sales (3).
 SPM 5308. Marketing Sport (3).
 SPM 5350. Athlete Recruitment (3).
 SPM 5405. Sport and the Media (3).
 SPM 5508. Fiscal Management in Sport (3).
 SPM 5605. Sport Governance (3).

- SPM 5706. NCAA Compliance and Institutional Control (3).
 SPM 5716. Risk Management in Sport and Physical Activity (3).
 SPM 5726. Issues in Sport Law (3).
 SPM 5906r. Directed Individual Study (1-3). (S/U grade only.)
 SPM 5912r. Supervised Research (1-4). (S/U grade only.)
 SPM 5930. Issues in Sport Management (3).
 SPM 5940r. Field Laboratory Internship (1-8). (S/U grade only.)
 SPM 5942r. Supervised Teaching (1-4). (S/U grade only.)
 SPM 5947r. Practicum in Sport Management (3-12).
 SPM 5971r. Thesis (3). (S/U grade only.)
 SPM 6006. Organizational Theory in Sport (3).
 SPM 6007. Leadership & Organizational Behavior in Sport (3).
 SPM 6008. Foundations in Sport Administration (3).
 SPM 6017. Globalization, Development, and Sport (3).
 SPM 6046. Political Economy of Play (3).
 SPM 6156. Seminar in Administration of Physical Education and Athletics (3).
 SPM 6208. Seminar in Sport Ethics (3).
 SPM 6309. Seminar in Sport Marketing (3).
 SPM 6507. Seminar in Sport Finance (3).
 SPM 6517. Fundraising in Sport (3).
 SPM 6700. Seminar in Sport Management Research (3).
 SPM 6728. Advanced Law in Sport and Physical Activity (3).
 SPM 6746. Qualitative Inquiry in Sport and Physical Culture (3).
 SPM 6932r. Advanced Topics in Sport Management (3).
 SPM 6967. Qualifying Examination (0). (P/F grade only.)
 SPM 6980r. Dissertation (1-12). (S/U grade only.)
 SPM 8968. Preliminary Examination (0). (P/F grade only.)
 SPM 8969r. Comprehensive Examination (0). (P/F grade only.)
 SPM 8976. Thesis Defense (0). (P/F grade only.)
 SPM 8985r. Dissertation Defense (0). (P/F grade only.)

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Department of STATISTICS

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://stat.fsu.edu/>

Chair: Xufeng Niu; **Director, Statistical Consulting Center:** Ramsier;
Professors: Huffer, McGee, Niu, Patrangenaru, Sinha, Slate, Srivastava;
Associate Professors: Chicken, Wu; **Assistant Professors:** Barbu, Pati, She, Zhang; **Research Associate:** Ramsier; **Associate in Statistics:** Bose;
Professors Emeriti: Basu, Bradley, Hollander, Leysieffer, Marsaglia, Meeter, Sethuraman

The Department of Statistics offers a program leading to the Bachelor of Science (BS) degree (including an honors degree) in statistics. Statistics is the science of analyzing random events and their associated data. The goals of the analysis are to describe the properties and characteristics of the data visually and numerically, to provide a model for the underlying events which takes into account the randomness of the phenomena, and to make accurate predictions of future events. In the study of statistics, students use and enrich their mathematical expertise and orient their study of the mathematical sciences toward useful and relevant purposes in society. Significant opportunities for well-trained persons in statistics arise in many career environments, such as the social sciences, the natural sciences, business, industry, the health services, and government services. Flexible, individually-planned programs of study for minors or majors, including an honors option, are available. Interested students should contact the director of the undergraduate program for more information.

The Department of Statistics offers a wide selection of undergraduate courses in statistical methods for nonmajors with minimal background in mathematics. One of STA 2023, 2122, 2171, or 3032 is a prerequisite for the remaining courses in the series, which are STA 3024, 4102, 4202, 4203, 4222, 4502, 4702, and 4853.

The department offers a combined BS/MS degree program designed for academically gifted students who wish to pursue an accelerated program culminating in a BS degree in statistics and an MS degree in applied statistics. This five-year program allows up to fifteen semester hours of coursework to be dually counted toward both the BS and MS degrees.

The Department of Statistics maintains a laboratory for computational vision; a statistical consulting center; a departmental library and reading room, the Wilcoxon Memorial Room; and facilities for computation in connection with coursework and research. The Statistics Department has extensive computing facilities, which include a local area network of microcomputers, and printers and a new laboratory for computational vision equipped with high-performance computers and accessories.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in statistics satisfy this requirement by earning a grade of "C-" or higher in STA 3024.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.fvc.org/fvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. COP XXXX: one scientific programming course for three credit hours designed for computer science majors
2. MAC X311
3. MAC X312
4. MAC X313
5. BSC XXXX/XXXXL or CHM XXXX/XXXXL or PHY XXXX/XXXXL or GLY XXXX/XXXXL: two laboratory-based science courses for four to eight credit hours designed for science majors
6. STA 2XXX

Note: A "C" grade or better in all coursework is required for admission.

Requirements for a Major in Statistics

Please review all college-wide degree requirements summarized in the "College of Arts and Sciences" chapter of this *General Bulletin*.

Major

Twenty-one semester hours in statistics courses are required, including STA 3024 and either STA 4321 or 4442. The additional fifteen semester hours may be selected from any 3000- or 4000- level courses with the STA prefix.

Additional requirements include MAC 2311, MAC 2312, and MAS 3105. A grade of "C-" or better must be earned in each statistics or mathematics course counted toward the major. At least seventeen semester hours of courses counted toward the major must be taken at Florida State University. Statistics courses taken at other universities or colleges must be approved by the department.

Options

Students interested in pursuing a course of study in applied statistics are encouraged to take STA 3032, 4202, and 4203. This provides a strong background in practical data analysis which will be attractive to future employers, as well as completing most of the requirements for a SAS certificate in Programming and Data Analysis.

Students anticipating graduate study in statistics are strongly encouraged to take the STA 4321 and 4322 sequence and additional mathematics courses such as MAC 2313, MAA 4226, 4227, and MTG 4302.

Double Major Overlap Policy

For students double majoring in statistics and another discipline, the department's overlap policy permits six credit hours of coursework counted toward the other major to be also counted toward the statistics major requirements. This overlap limit excludes prerequisite coursework and collateral mathematics courses (MAC 2311, MAC 2312, and MAS 3105).

Minor

The minor may be in any of the departmental or interdepartmental fields approved by the College of Arts and Sciences. A minor in mathematics may include MAC 2311, 2312, and MAS 3105.

Honors in the Major

The Department of Statistics offers honors in the major to encourage talented students to undertake independent research. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Requirements for a Minor in Statistics

Required are twelve semester hours in statistics courses, including one of STA 2122, 2171, 3024, 3032, 4442, or 4321 with the remaining three coming from an STA course numbered at the 3000 level or higher. Courses should be selected in consultation with the director of the undergraduate statistics program. A grade of "C-" or better must be earned in each course counted toward the minor. At least six semester hours in statistics courses counted toward the minor must be taken in the Department of Statistics at Florida State University. Statistics courses taken at other universities or colleges must be approved by the department. Contact the department for a full list of requirements and courses applicable to the minor.

Examples of Options

1. A minor in statistical methodology with minimal mathematical prerequisites: STA 2122 or 2171, plus nine semester hours selected from any of STA 3024, 4202, 4203, 4222, 4502, and 4664.
2. A minor with statistical theory as well as methodology: STA 4321 and 4322, plus six hours selected from any of STA 4102, 4202, 4203, 4222, 4502, 4702, and 4853.

Combined Bachelor's/Master's Degree Program in Statistics

The combined BS/MS degree program in the Department of Statistics is designed for academically strong students who wish to pursue an accelerated program culminating in a Bachelor of Science (BS) degree in statistics and a Master of Science (MS) degree in applied statistics. This five-year program allows up to fifteen semester hours of coursework to be dually counted toward both the BS and the MS degree.

An undergraduate student wishing to enroll in this program must meet the following criteria:

1. Completion of at least twelve semester hours of mathematics or statistics in the undergraduate statistics major at Florida State University with a GPA of at least 3.2.
2. Completion of at least sixty semester hours at Florida State University with a GPA of at least 3.0. Transfer students must have completed at least two semesters and twenty-four semester hours at FSU with the same minimum GPA.

Undergraduate students may apply as early as the second semester of their sophomore year. If accepted, they should take the GRE at the end of their junior year and apply to the graduate school during the first semester of their senior year.

For more information, please visit <http://stat.fsu.edu/graduate/redbook/5Year.php>.

Undergraduate Certificate in SAS Programming and Data Analysis

The FSU Department of Statistics offers a certificate in Statistical Analysis System (SAS) Programming and Data Analysis. The certificate is cosponsored by the SAS Institute, providing students with an excellent recognition. The certificate is designed to provide students with in-demand programming and statistical computing skills using one of the leading statistical software packages. Focus is placed on applications that require data management and statistical analyses.

The undergraduate certificate requires twelve semester hours consisting of one required core course, STA 3024, and three elective courses with a SAS component selected from the following list: STA 4173, 4202, 4203, 4664, 4702, and 4853. The coursework will also meet the requirements for students seeking a minor in statistics and can be embedded into a program for those students seeking a major in statistics. In addition, an applicant must submit a binder of coursework involving SAS. The binder will include major assignments or projects from the courses in the certificate program with all four courses being represented. The completed portfolio will demonstrate several dimensions of SAS skills that are deemed valuable for public sector, private sector, or graduate school work. The certificate application form and more program details may be found at <http://sas.stat.fsu.edu>.

Definition of Prefixes

EGN—General Engineering

QMB—Quantitative Methods in Business

STA—Statistics

Undergraduate Courses

SCE 4939r. Seminar in Contemporary Science, Mathematics, and Science Education (1).

Note: For the description of the course above, see the “Science Education” in the School of Teacher Education chapter in this *General Bulletin*.

EGN 3443. Statistical Topics in Engineering (3). Prerequisite: MAC 2312. Basic statistical analysis, samples and populations, variability, hypothesis formulation, and data analysis. Use of computer software and interpretation of results.

QMB 3200. Quantitative Methods for Business Decisions (3). An examination of classical and modern decision-making techniques based on probabilistic concepts. Emphasizes applications to all areas of business.

STA 1013. Statistics through Example (3). Fundamental concepts of statistics including descriptive measures, randomness, estimation of proportions, central tendency, rare event principle, association versus causation, and risks.

STA 2023. Fundamental Business Statistics (3). Prerequisite: MAC 1105 or equivalent. No credit is given for STA 2023 if “C–” or better has been previously earned in STA 2122, 2171, or 3032. High school students who earn a “3” or better on the AP statistics exam will be given credit for STA 2023. Statistical applications in business, involving graphical and numerical descriptions of data, data collection, elementary probability, random variables, binomial and normal distributions, sampling distributions, and confidence intervals and hypothesis tests for a single example.

STA 2122. Introduction to Applied Statistics (3). Prerequisite: MAC 1105. Subsequent credit for STA 5126 is not permitted. No credit is given for STA 2122 if a grade of “C–” or better is earned in STA 2171, STA 3032, or QMB 3200. Only two credit hours are given for STA 2122 if a grade of “C–” or better was previously earned in STA 2023 or STA 3014. The course covers data collection, sample variation, basic probability, confidence intervals, hypothesis testing, analysis of variance, contingency tables, correlation, and regression.

STA 2171. Statistics for Biology (4). Prerequisite: MAC 2311 and biology major status or departmental approval. Only two semester hours of credit are given for STA 2171 if “C–” or better has been previously earned in STA 2023. No credit is given for STA 2171 if a “C–” or better has been previously earned in STA 2122 or 3032 or QMB 3200. This course provides an introduction to statistics emphasizing applications to biology. Topics include descriptive statistics, elementary probability, the binomial and normal distributions, confidence intervals and hypothesis tests for means and proportions, correlation and regression, contingency tables and goodness-of-fit tests as well as analysis of variance.

STA 3024. SAS for Data and Statistical Analyses (3). Prerequisite: Introductory statistics course at or above the 2000 level or instructor permission. This course covers linear and multiple regression; one-and-two-way analysis of variance; chi-square and contingency tables; design, analysis, evaluation and interpretation of statistical models. Well-prepared students can skip STA 3024 and take either STA 4202 or 4203.

STA 3032. Applied Statistics for Engineers and Scientists (3–5). Prerequisite: MAC 2312. This course will cover calculus-based probability, discrete and continuous random variables, joint distributions, sampling distributions, and the central limit theorem. Topics include descriptive statistics, interval estimates and hypothesis tests, ANOVA, correlation, simple and multiple regression, analysis of categorical data, and statistical quality control.

STA 4102. Computational Methods in Statistics I (3). Prerequisites: At least one statistics above STA 1013, some programming experience, or instructor permission. Matlab and a programming language (C/Fortran) will be used. Floating point arithmetic, numerical matrix analysis, multiple regression analysis, non-linear optimization, root finding, numerical integration, Monte Carlo sampling, survey of density estimation.

STA 4103. Computational Methods in Statistics II (3). Prerequisite: STA 4102 or instructor permission. Matlab and a programming language (C/Fortran) will be used. A continuation of STA 4102 in computational techniques for linear and non-linear statistics. Statistical image understanding, elements of pattern theory, simulated annealing, Metropolis-Hastings algorithm, Gibbs sampling.

STA 4173. Fundamentals of Biostatistics (3). Prerequisite: A previous upper division course in statistics or instructor permission. This course introduces students to the statistical methods used to design and analyze studies of the occurrence of disease in human populations.

STA 4202. Analysis of Variance and Design of Experiments (3). Prerequisite: STA 2122, STA 2171, STA 3032, or QMB 3200. Subsequent credit for STA 5206 is not permitted. One and two-way classifications, nesting, blocking, multiple comparisons, incomplete designs, variance components, factorial designs, confounding.

STA 4203. Applied Regression Methods (3). Prerequisite: STA 2122, STA 2171, STA 3032, STA 4322, or QMB 3200. Subsequent credit for STA 5207 is not permitted. General linear hypothesis, multiple correlation and regression, residual analysis, and model identification.

STA 4222. Sample Surveys (3). Prerequisite: A statistics course above STA 1013 or instructor permission. Simple, stratified, systematic, and cluster random sampling. Ratio and regression estimation, multistage sampling.

STA 4321. Introduction to Mathematical Statistics (3). Prerequisite: MAC 2313. Distribution of random variables, conditional probability and independence, multivariate distributions, sampling distributions, Bayes’ rule, counting problems, expectations. Credit not given for both STA 4321 and STA 4442.

STA 4322. Mathematical Statistics (3). Prerequisites: STA 4321 and MAC 2313. Subsequent credit for STA 5325 is not permitted. Sufficiency, point estimation, confidence intervals, hypothesis testing, regression, linear models, Bayesian analysis.

STA 4442. Introductory Probability I (3). Prerequisite: MAC 2312. Subsequent credit for STA 5440 is not permitted. Random variables, probability distributions, independence, sums of random variables, generating functions, central limit theorem, laws of large numbers. Not open to Statistics majors or minors. Credit not given for both STA 4321 and STA 4442.

STA 4502. Applied Nonparametric Statistics (3). Prerequisite: A statistics course above STA 1013 or instructor permission. Subsequent credit for STA 5507 is not permitted. Application of nonparametric tests, estimates, confidence intervals, and multiple comparison procedures.

STA 4634. Applied Machine Learning (3). Prerequisite: STA 3032 or instructor permission. This course is a hands-on introduction to statistical methods for supervised, unsupervised, and semi-supervised learning. It explores fundamental techniques including but not limited to Support Vector Machines, Decision Trees, Linear Discriminant Analysis, Random Forests, Neural Networks, and different flavors of Boosting.

STA 4664. Statistics for Quality and Productivity (3). Prerequisites: STA 4322 or instructor permission, as well as STA 2122 or STA 2171 or STA 3032 or STA 4442. Deming’s ideas, graphical methods, control charts, and design of experiments for product and process improvement.

STA 4702. Applied Multivariate Analysis (3). Prerequisite: STA 4203 or STA 4322. Subsequent credit for STA 5707 is not permitted. Principal components and factor analysis, canonical correlation, discriminant analysis, multivariate analysis of variance, multidimensional contingency tables, cluster analysis.

STA 4853. Time Series and Forecasting Methods (3). Prerequisites: QMB 3200 or equivalent, STA 2122, STA 2171, STA 3032, and knowledge of PCs or UNIX. Autoregressive, moving average, and mixed models; autocovariance and autocorrelation functions; model identification; forecasting techniques; seasonal model identification; estimation and forecasting, intervention and transfer function model identification; estimation and forecasting. Subsequent credit for STA 5856 is not permitted.

STA 4905r. Directed Individual Study (2–3). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

STA 4930r. Selected Topics in Statistics, Probability, or Operations Research (2–3). May be repeated to a maximum of twelve semester hours.

STA 4970r. Honors Thesis in Statistics (3). Students selected by the University and the department honors programs may take this course. Consent of the thesis adviser is mandatory. May be repeated to a maximum of six semester hours.

Graduate Courses

- STA 5066.** Data Management and Analysis with SAS (3).
STA 5106. Computational Methods in Statistics I (3).
STA 5107. Computational Methods in Statistics II (3).
STA 5126. Introduction to Applied Statistics (3).
STA 5166. Statistics in Applications I (3).
STA 5167. Statistics in Applications II (3).
STA 5168. Statistics in Applications III (3).
STA 5172. Fundamentals of Biostatistics (3).
STA 5176. Statistical Modeling with Application to Biology (3).
STA 5179. Applied Survival Analysis (3).
STA 5206. Analysis of Variance and Design of Experiments (3).
STA 5207. Applied Regression Methods (3).
STA 5208. Linear Statistical Models (3).
STA 5225. Sample Surveys (3).
STA 5238. Applied Logistic Regression (3).
STA 5244. Clinical Trials (3).
STA 5323. Introduction to Mathematical Statistics (3).
STA 5325. Mathematical Statistics (3).
STA 5326. Distribution Theory and Inference (3).
STA 5327. Statistical Inference (3).
STA 5334. Limit Theory of Statistics (3).
STA 5440. Introductory Probability I (3).
STA 5446. Probability and Measure (3).
STA 5447. Probability Theory (3).
STA 5507. Applied Nonparametric Statistics (3).
STA 5635. Applied Machine Learning (3).
STA 5666. Statistics for Quality and Productivity (3).
STA 5676. Reliability Theory and Life Testing (4).
STA 5707. Applied Multivariate Analysis (3).
STA 5746. Multivariate Analysis (3).
STA 5807r. Topics in Stochastic Processes (3).
STA 5856. Time Series and Forecasting Methods (3).
STA 5906r. Directed Individual Study (1–12). (S/U grade only.)
STA 5910r. Supervised Research (1–5). (S/U grade only.)
STA 5920r. Statistics Colloquium (1). (S/U grade only.)
STA 5934r. Selected Topics in Statistics, Probability, or Operations Research (2–3).
STA 5938. Topics in Medical Consulting (3).
STA 5939. Introduction to Statistical Consulting (3). (S/U grade only.)
STA 5940r. Supervised Consulting (1–3). (S/U grade only.)
STA 5941r. Supervised Teaching (1–5). (S/U grade only.)
STA 6174r. Advanced Methods in Epidemiology (3).
STA 6246r. Advanced Topics in Applied Statistics (2–3).
STA 6346. Advanced Probability and Inference I (3).
STA 6448. Advanced Probability and Inference II (3).
STA 6466. Advanced Probability (3).
STA 6468r. Advanced Topics in Probability and Statistics (2–3).
STA 6555. Nonparametric Curve Estimation (3).
STA 6709. Spatial Statistics (3).
STA 6906r. Directed Individual Study (1–12). (S/U grade only.)

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

TAX ACCOUNTING:
see Accounting

School of TEACHER EDUCATION

COLLEGE OF EDUCATION

Web Page: <http://www.coe.fsu.edu/ste/>

Assistant Dean and Director: Lawrence Scharmann; **Professors:** Foorman, Hanline, Lewis, Scharmann, Southerland; **Associate Professors:** Clark, Edwards, Guerette, Haneda, Jakubowski, Jones, Menchetti, Meyers, Ratliffe, Rice, Scherff, Shaw (Panama City); **Assistant Professors:** Boggs, Dennis, Galeano, Kim, V. Sampson, Wanzek, Whitacre, Witte; **Associates in Elementary Education:** Fesmire (Panama City), A. Davis, Imperial (Panama City), Rios (Panama City); **Research Associate:** K. Davis (Panama City); **Assistant in English Education:** Garland; **Assistant in Math/Science Education:** Kuleshova; **Associate in Social Studies Education:** White; **Assistant in Elementary Education:** Daniel; **Associate in Elementary Education:** Underwood; **Assistants in Foreign and Second Language Education:** Ballard, Torres; **Associate in Education of Students with Exceptionalities:** Presnell; **Assistant in Visual Disabilities:** Damelio; **Professors Emeriti:** Aspinwall, Clark, N. Davis, Dawson, Denmark, Flake, Gallard, Green, G. Jones, Kirby, Lynch-Brown, Mills, Oseroff, Palmer, Piazza, Platt, Schluck, Scott, Scott-Simmons, Simmons, Tait, Wheatley

The School of Teacher Education is committed to high quality personnel preparation programs; service to the state of Florida; and research in elementary education, early childhood education, reading/language arts, special education, visual disabilities, and related areas. The School strives to provide programs of excellence serving undergraduates, graduates, and advanced graduates by teaching, advising, and providing professional role models. Our goal is to prepare educational leaders who will contribute to the betterment of a pluralistic, global society in the context of the state of Florida's needs for an educated, global-minded citizenry.

The mission is accomplished by:

- implementing personnel preparation programs that are comprehensive and that prepare practitioners to implement state-of-the-art; research-based practices
- conducting high-quality research in authentic settings; and,
- translating research to practice through service to the profession at the local, state, and national levels.

For a complete listing of all requirements concerning matriculation into and graduation from a teacher education program, please refer to the "College of Education" chapter in this *General Bulletin*.

The following majors are offered by the School of Teacher Education:

- Early Childhood Education +
- Elementary Education +
- English Education
- Exceptional Student Education (combined BS/MS program; see Special Education) +
- FSU-Teach – Program in Secondary Science or Mathematics Teaching
- Mathematics Education (see FSU-Teach)
- Reading Education/Language Arts *
- Science Education (see FSU-Teach)
- Social Science Education
- Special Education *
- Visual Disabilities (two tracks: Visual Studies and Visual Education; see Special Education) +

* graduate only
+ limited enrollment

Program requirements for state-approved educator preparation programs 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-5.066, Approval of Educator Preparation Programs.

Inventory of State-Approved Initial Certification Programs

The following programs have been approved by the Florida Department of Education (DOE) as Initial Certification Teacher Preparation Programs at the Baccalaureate level:

- Elementary Education w/ESOL and Reading Endorsements (Grades K-6)
- Exceptional Student Education w/ESOL Endorsement (Combined Program, Grades K-12)

- Pre-K/Primary Education w/ESOL Endorsement (Early Childhood, Age 3-Grade 3)
- Visually Impaired Education (Visual Disabilities Education, Grades K-12)
- English Education w/ESOL Endorsement (Grades 6-12)
- Social Science/Middle Grades Social Science Education (Grades 6-12/5-9)
- FSU-Teach Secondary Science or Mathematics Teaching (Grades 6-12)

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in elementary teacher education, elementary/early childhood education, visual disabilities, and education of specific learning disabled satisfy this requirement by earning a grade of “C–” or higher in EME 2040.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for the following University degree programs. Specific prerequisites are required for admission into the upper-division programs and **must** be completed by the student at either a community college or a state university prior to being admitted into these programs. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.ftvc.org/ftvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into these upper-division degree programs:

- Early Childhood Teacher Education
- Elementary Teacher Education
- Exceptional Student Education (ED/LD Combined Program)
- Visual Disabilities Education

1. EDF X005

2. EDF X085

Note: In addition to EDF X085, a minimum of six credit hours with an international or diversity focus is required. Eligible courses will be determined by the institution where the student is currently earning his or her Associate in Arts (AA) or baccalaureate degree. Foreign language courses may be used to meet this requirement. Contact the department and/or adviser for details.

3. EME X040

Note: General education courses will be determined by the community college or university where the student is currently earning the Associate in Arts (AA) or baccalaureate degree and will be published in the institution’s catalog and in the Community College Counseling Manual.

Limited Enrollment Programs

Please note that admission to limited enrollment programs requires submission of the specific program application, due on or before March 1st of the Spring semester preceding Fall admission, or October 1 of the Fall preceding Spring admission. As limited enrollment programs, these majors reserve the right to impose standards for admission above and beyond the minimum requirements for admission to teacher preparation programs. Fulfillment of the minimum standards does not guarantee admission to limited enrollment programs, so students are encouraged to plan for alternative courses of study should they not be offered admission to a particular major. Note that both programs in childhood education require submission of standardized test scores, either SAT or ACT, as criteria for admission.

EARLY CHILDHOOD EDUCATION

Web Page: <http://www.coe.fsu.edu/earlychildhood>

The primary goal of early childhood education is to prepare educational leaders who are capable of working with the child, the family, and the community from age three, pre-k, and kindergarten through 3rd grade. Coursework and extensive field experiences prepare graduates with specializations appropriate for educating the young child and designing curriculum for young children.

Baccalaureate Curriculum in Early Childhood Education Leading to Florida Teacher Certification

An undergraduate curriculum is offered for a Bachelor of Science (BS) degree in early childhood (primary) education with English for Speakers of Other Languages (ESOL) endorsement preparing students with major emphasis to teach ages three, pre-k, and kindergarten through 3rd grade.

Each student preparing to teach early childhood (primary) education must take EEC 4204, 4301, 4303, 4400, 4604, 4907r, 4943; EDE 4316; EEX 4070, 4212; LAE 4314; MAE 4300; RED 4310, 4510; SCE 4310; SSE 4113; TSL 4080, 4081. These courses are restricted to admitted early childhood (primary) education majors only and must be taken in sequence. Students must complete all courses within a given semester with a grade of “C” or better and maintain a cumulative 2.5 GPA or better to be allowed to continue to the next semester. All early childhood (primary) education students are assigned to the most appropriate location for student teaching, or to the London program, when available. For a complete listing of courses and requirements, please contact the undergraduate coordinator with the School of Teacher Education in *G107 Stone Building*.

Admission Requirements

Early childhood education is a limited access, limited enrollment program, and admission is based on availability of faculty and space. Students planning to enter early childhood education must document their experiences working with a group of young children in settings such as camp counseling, teacher aide, substitute teaching, scouting team leader, swimming instructor, or a setting approved by the program prior to acceptance into the program. **The program admits students once a year for the Fall semester.**

All students are urged to seek advising from the lower division advisers in the Office of Academic Services, *2301 Stone Building*. All students must complete: (1) the liberal studies degree requirements summarized in the “Undergraduate Degree Requirements” chapter of this *General Bulletin*; (2) the state of Florida common prerequisites for early childhood majors described earlier in this section; (3) the requirements for admission into a teacher education program described in the “College of Education” chapter of this *General Bulletin*; (4) a “C” or better in nine semester hours of college English and college math; and (5) application into the program as follows.

Application Requirements

To be considered for admission into the early childhood major, students must submit an application by **March 1st for Fall semester** admission (an interview may be required following submission of an application). Applicants are selected on the basis of the following criteria: GPA, SAT/ACT, General Knowledge Test, relevant experience, and professional promise.

1. Application form (available in *G107 Stone Building* or on the Web at <http://www.coe.fsu.edu>)
2. Transcript of previous coursework and documentation of test scores (SAT/ACT, General Knowledge Test) and GPA
3. Three references:
 - a. One from someone who taught you in either junior high school, high school, or college
 - b. One from someone who has observed you interacting with children
 - c. One of your choice
4. Essay: your response to **Teaching in a Changing World** (one to two pages)
5. Checklist of program requirements
6. Documentation of current coursework.

Requirements

Background Check: The state of Florida requires that all school districts initiate a level II (FDLE and FBI) criminal background check on all adults who work in schools. Because all courses in early childhood education have a required school component, it is not possible to pass any of the courses if the student is blocked from entering Leon County Schools. Any student who is not able to document that he/she has been cleared by the end of the second week of classes in the first term enrolled will be required to drop all courses and withdraw from the program.

Professional Behaviors and Dispositions: While enrolled in the early childhood education program, the student is expected to demonstrate behaviors and dispositions that conform to the “Code of Ethics” (State Board of Education Rule 6B-1.001, FAC) and the “Principles of Professional Conduct in Florida” (State Board of Education Rule 6B-1.006, FAC). The program reserves the

right to refuse or discontinue enrollment of any student who violates these expectations or in the judgment of a majority of the faculty does not meet the program standards.

Definition of Prefixes

EDG—Education: General

EEC—Education: Early Childhood

LAE—Language Arts and English Education

MAE—Mathematics Education

RED—Reading Education

SCE—Science Education

SSE—Social Studies Education

Undergraduate Courses

EEC 4204. Early Childhood Education Curriculum (3). The design and implementation of thematic curricula and direct instruction appropriate for children age 3 to grade 3. Microteaching required.

EEC 4301. Early Childhood Education Foundations (3). Introductory course to ECE primary education provides a background of ECE theory and research to be used for determining education practices.

EEC 4303. Expressive Arts for the Young Child (3). Prerequisite: Admittance to the ECE program. Corequisite: Block I undergraduate courses of the ECE program. This course examines the role and value of the arts for the child. It explores developmental trends, appropriate practices, methods, media, and curricula of art, dance, drama, movement and music.

EEC 4400. Parents as Teachers (3). Examination of the need and importance of parental involvement in the education of young children. Includes strategies for promoting home/school interactions.

EEC 4604. Techniques of Child Study and Authentic Assessment (3). Investigates and utilizes data collection techniques/instruments to acquire information about young children.

EEC 4905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve semester hours.

EEC 4907r. Observation and Participation in Early Childhood Education (1–3). (S/U grade only.) This course offers students direct experiences with young children, organized in such a way that they have opportunities to put into practice those insights, principles, and understandings gained in the theory courses. May be repeated to a maximum of twelve semester hours.

EEC 4930r. Special Topics in Early Childhood (2–3). Current topics in early childhood are studied in depth. May be repeated to a maximum of nine semester hours. May be repeated during the same semester.

EEC 4943. Student Teaching in Early Childhood Education (6–10). (S/U grade only.)

LAE 4314. Language Arts and Literature in the Elementary School (3). This course introduces fundamental concepts and questions about oral and written language as it relates to classroom instruction and assessment, and provides students with opportunities to practice strategies and techniques for planning, teaching, and assessing literacy. Covers a wide range of literature, as well as the writing process and concepts to develop extensive vocabulary, listening, viewing, and speaking. Children's literature supports effective instructional planning and implementation for literacy development in a print/language rich environment.

MAE 4300. Teaching Mathematics in the Primary Grades (3). To provide an overview of teaching mathematics in the primary grades.

RED 4310. Early Literacy Learning (3). Prerequisites: EDF 1005 and EDF 2085. This course prepares pre-service teachers to teach beginning reading, targeting the needs of a wide range of learners, including those of varying abilities and from diverse cultures. The content addresses research-based strategies, materials, technology, assessment, classroom management, and collaboration with other professionals and parents.

RED 4510. Teaching Reading in the Elementary School (3). Prerequisites: Blocks I and II. Corequisite: Block III. Methods and materials for teaching developmental reading based on holistic reading/language comprehension strategies and skill development.

SCE 4310. Teaching Science in the Elementary School (3). Prerequisites: Blocks I and II. Corequisite: Block III. Designed to engage the student in self-directed, meaningful science activities for positive, cognitive, and affective growth.

SSE 4113. Elementary School Social Studies (3). Prerequisites: Blocks I and II. Corequisite: Block III. Content, applications, and materials in the social sciences, K–6.

Graduate Courses

EDG 5208. Foundations of Teaching (3).

EEC 5263. Thematic Curriculum and Direct Instruction for Young Children (3).

EEC 5269. Curriculum and Play for Young Children (3).

EEC 5305. Methods and Experiences with Young Children and Families (3).

EEC 5405. Teachers and Parents: Partners in Education (3).

EEC 5525. Children's Centers (3).

EEC 5605. Techniques of Classroom Management and Child Study (3).

EEC 5615. Issues and Trends in Early Childhood Education (3).

EEC 5665. Historical and Theoretical Bases of Early Childhood Education (3).

EEC 5671. Research in Early Childhood Education (3).

EEC 5906r. Directed Individual Study (1–3). (S/U grade only.)

EEC 5911r. Supervised Research (1–5). (S/U grade only.)

EEC 5935r. Special Topics in Early Childhood Education (3).

EEC 5942r. Supervised Teaching (1–5). (S/U grade only.)

EEC 5944. Student Teaching in Early Childhood Education (6–10). (S/U grade only.)

EEC 5947. Field Laboratory Internship (1–8). (S/U grade only.)

EEC 6516. Educational Environments for Infants and Toddlers (3).

EEC 6672. Theory and Research in Young Children's Play Curriculum (3).

EEC 6932. Doctoral Seminar in Early Childhood Education (2). (S/U grade only.)

EDG 5246. Moral Education (3).

For listings relating to graduate coursework for thesis, dissertation, and Master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

ELEMENTARY EDUCATION

Web Page: <http://www.coe.fsu.edu/elementaryed>

An undergraduate curriculum is offered leading to a Bachelor of Science (BS) degree in elementary education with English for Speakers of Other Languages (ESOL) and Reading endorsements preparing students to teach grades K through 6. The program is structured as four groups of courses (Fall and Spring semesters) and one Summer course. Courses in elementary education are restricted to elementary education majors only. Prospective applicants who already have a bachelor's degree in another major are encouraged to seek admission to the master's degree program leading to certification in elementary education.

Admission Requirements

Elementary education is a limited access, limited enrollment program based on availability of faculty and space. New students are admitted for both the Fall and Spring semesters; students should work closely with an adviser to plan completion of basic requirements around the appropriate timetable. Students planning to enter elementary education must: (1) complete the liberal studies requirements summarized in the "Undergraduate Degree Requirements" chapter of this *General Bulletin*; (2) complete the state of Florida common program prerequisites for elementary education majors described earlier in this section; (3) meet the requirements for admission into a teacher education program described in the "College of Education" chapter of this *General Bulletin*; (4) achieve a "C" or better in nine semester hours of college English and college math; and (5) make application to the program as follows.

Application Requirements

To be considered for admission into elementary education, students must submit an application and the following materials **no later than March 1st of the Spring term preceding Fall admission and no later than October 1st of the Fall term preceding Spring admission**. Applicants are selected on the basis of the following criteria: GPA, SAT/ACT, submission of passing scores on all parts of the General Knowledge exam, relevant experience, and professional promise.

1. A completed departmental application form
2. All transcripts
3. Minimum cumulative GPA of 2.5
4. A class schedule showing all classes for which the student is currently enrolled (e.g., a copy of a Web schedule)
5. A statement of courses to be taken prior to enrollment if not included on the class schedule (e.g. summer courses for fall term admission)
6. Either SAT or ACT score
7. Results from the FTCE GK exam (if GK results have not yet been received, a statement of when the exam was taken should be provided).

Acceptance of Transfer Courses—Elementary Education Undergraduate Program Leading to Certification

Due to the infusion of competencies in courses across the program leading to endorsements in reading and ESOL, the acceptance of transfer courses toward the undergraduate degree in Elementary Education BS Degree is limited. The three program courses (or their equivalents) that are eligible for transfer, after review and approval of syllabi by program faculty, are EEX 4070, Including Students with Disabilities in the General Education Curriculum; EDF 4210, Education Psychology: Developing Learners; and EEC 4303, Expressive Arts

for the Young Child. Applicants who wish to explore transfer of courses must provide appropriate course syllabi from other institutions to FSU Elementary Education Faculty for review prior to admission into the program.

Please do not assume that upper-level coursework will transfer for credit towards the Elementary Education BS Degree at Florida State University. Contact the program faculty with questions and/or concerns.

Required Major Courses

Each student preparing to teach elementary education must take EEC 4303; EDE 4316, 4907, 4943; EDF 4210; EDG 4410; EEX 4070, 4212; LAE 4314; MAE 4310, 4326; RED 4310, 4510, 4941; SCE 4310; SSE 4113; TSL 4080, 4081. These courses are restricted to formally admitted elementary education majors only and **must be taken** in sequence. Students **must complete all** courses within a given semester with a grade of “C” or better and maintain a cumulative GPA of 2.5 to be allowed to continue to the next semester. All courses with the exception of EEC 4303, EDF 4210, and EEX 4070 must be taken within the scheduled group of sequenced courses.

Student Teaching Alternatives

Five geographical areas of Florida have been designated as regions where students may complete their student teaching internship in School of Teacher Education-approved primary and secondary placements. These areas are subject to change and the school will provide a list of approved counties for student-teaching placement when applications for student teaching are submitted. The school reserves the right to restrict elementary education students with a GPA of less than 3.25 to the local area for student teaching.

Honors in the Major

The elementary education program offers honors in the major to encourage talented juniors and seniors to undertake independent research as part of the undergraduate experience. For requirements and other information, see the “University Honors Office and Honor Societies” chapter of this *General Bulletin*.

Requirements

Background Check: The state of Florida requires that all school districts initiate a level II (FDLE and FBI) criminal background check of all adults who work in schools. Because all courses in elementary education have a required school field component, it is not possible to pass any of the courses if the student is blocked from entering the Leon County Schools. Any student who is not able to document that he/she has been cleared by the end of the second week of classes in the first term enrolled will be required to drop all courses and withdraw from the program.

Students must also show proof of health insurance and liability insurance each semester.

Professional Behaviors and Dispositions: While enrolled in the elementary education program, the student is expected to demonstrate behaviors and dispositions that conform to the “Code of Ethics” (State Board of Education Rule 6B-1.001, FAC) and the “Principles of Professional Conduct in Florida” (State Board of Education Rule 6B-1.006, FAC). The program reserves the right to refuse or discontinue enrollment of any student who violates these expectations or in the judgment of a majority of the faculty does not meet the program standards.

Definition of Prefixes

CGS—Computer General Studies

EDE—Education: Elementary

EDG—Education: General

LAE—Language Arts and English Education

MAE—Mathematics Education

RED—Reading Education

SCE—Science Education

SSE—Social Studies Education

Undergraduate Courses

EDE 3201. The Teacher in the Elementary and Middle School (3). Corequisite: Semester I. Investigation of the role of the teacher from perspectives of planning, curriculum, organization, management, and problem solving.

EDE 3322. The Child in the Elementary and Middle School (3). Corequisite: Semester I. Investigation of children from diverse cultural settings in the context of elementary school learning, curriculum, and teaching.

EDE 4302. Literacy Assessment and Instruction (3). Prerequisites: RED 4310, MAE 4326, TSL 4080. Corequisite: RED 4510. This course is designed to provide students with competencies in the use and development of assessments and in using assessments to inform instruction. Emphasis is placed on the administration and interpretation of formal instruments and informal assessment procedures. This course addresses the Florida Educator Accomplished Practices and Competency 3 of the Florida Reading Endorsement.

EDE 4316. Differentiating Reading Instruction (3). Prerequisite: RED 4310. Corequisites: EEX 4212 and RED 4510. This course covers research-based strategies, materials, technology, as well as federal and state mandates that address essential teaching components of the No Child Left Behind Act and of the Individuals with Disabilities Education Improvement Act. Topics include differentiating reading instruction, using instructional and curricular accommodations and flexible grouping, using assessment to inform instruction, as well as implementing tiers of intervention and response to intervention.

EDE 4905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve semester hours.

EDE 4907r. Directed Field Experiences (1–3). (S/U grade only.) Corequisites: Semesters I, II, or III. Participation in a public school classroom with University supervision. May be repeated to a maximum of twelve semester hours to be taken in the following manner: at least one hour in Semester I, one hour in Semester II, and two hours in Semester III.

EDE 4943. Student Teaching in Elementary Education (10). (S/U grade only.) Prerequisites: Semesters I, II, and III. Corequisite: Semester IV.

EDE 4970r. Honors Work (3). Open to participants in the elementary education honors program. Up to twelve semester hours of honors work may be taken. Six thesis hours are required. Seminars are optional.

EDG 4410. Classroom Management and Legal Issues (3). Prerequisites: RED 4310, MAE 4326, TSL 4080. Corequisite: EDE 4907. This course is designed to provide specific knowledge and opportunities to apply skills in preparation for entering the education profession. Topics include classroom management, classroom routines, organizing for instruction, planning for instruction, effective communication, knowledge of legal and ethical responsibilities of teachers, and safe learning environments.

EME 4311. Technology and Learning for Elementary and Middle School (3). Prerequisite: EME 2040 or instructor permission. This course is designed to help pre-professional teachers use technology for the development of higher learning skills. Included in the technology content are animated graphics, scanned pictures, and linked files. Students work with students in schools to apply concepts from the class. Students acquire technology skills that allow them to develop electronic professional portfolios.

LAE 3414. Literature in the Elementary School (3). Corequisite: Semester I. Approaches in building a literature program for the elementary grades. Critical survey of literature for children and consideration of teaching techniques.

LAE 4314. Language Arts for the Elementary School (3). This course introduces fundamental concepts and questions about oral and written language as it relates to classroom instruction and assessment, and provides students with opportunities to practice strategies and techniques for planning, teaching, and assessing literacy. Covers a wide range of literature, as well as the writing process and concepts to develop extensive vocabulary, listening, viewing, and speaking. Children’s literature supports effective Instructional planning and implementation for literacy development in a print/language rich environment.

MAE 4310. The Teaching of Elementary School Mathematics (3). Prerequisites: Semesters I and II. Corequisite: Semester III. Develops specific instructional techniques to maximize success in the child’s learning of mathematics.

MAE 4326. How Children Learn Mathematics (3). Prerequisite: Semester I. Corequisite: Semester II. This course focuses on children’s development of mathematical content and on the development of mathematics curriculum from children’s view points. Technology as a tool for learning mathematics is included in the course.

RED 4310. Early Literacy Learning (3). Prerequisites: EDF 1005 and EDF 2085. This course prepares pre-service teachers to teach beginning reading, targeting the needs of a wide range of learners, including those of varying abilities and from diverse cultures. The content addresses research-based strategies, materials, technology, assessment, classroom management, and collaboration with other professionals and parents.

RED 4510. Teaching Reading in the Elementary School (3). Prerequisites: Semesters I and II. Corequisite: Semester III. Methods and materials for teaching developmental reading based on holistic reading/language comprehension strategies and skill development.

RED 4941. Reading/ESOL Capstone Practicum (3). (S/U grade only.) Prerequisites: TSL 4080, TSL 4081, or instructor permission. This field experience provides students the opportunity to tutor children who are struggling readers and who are acquiring English as a second language. Students are under the supervision of an ESOL-endorsed teacher. This course is taken as the third field experience the semester prior to student teaching.

SCE 4310. Teaching Science in the Elementary School (3). Prerequisites: Semesters I and II. Corequisite: Semester III. Designed to engage the student in self-directed, meaningful science activities for positive, cognitive, and affective growth.

SSE 4113. Elementary School Social Studies (3). Prerequisite: Semester I. Corequisite: Semester II. Content, applications, and materials in the social sciences, K–6.

Graduate Courses

CGS 5112. Using Computer Graphics as an Instructional Tool (3).

CGS 5113. Using Computer Simulation as an Instructional Tool (3).

EDE 5225. The Elementary School, K–6 (3).

EDE 5227. The Integrated Curriculum in the Elementary and Middle School (3).

- EDE 5266r. Current Issues and Trends in Elementary Education (3).
 EDE 5324. Promoting Thinking in the Elementary School (3).
 EDE 5327. Differentiating Instruction (3).
 EDE 5346. Technology in Elementary and Middle School (3).
 EDE 5511. Organization for Classroom Instruction in the Elementary School (3).
 EDE 5906r. Directed Individual Study (1–3). (S/U grade only.)
 EDE 5910r. Supervised Research (1–5). (S/U grade only.)
 EDE 5931r. Special Topics in Elementary and Middle School Education (3).
 EDE 5940r. Supervised Teaching (1–5). (S/U grade only.)
 EDE 6805. Perspectives of Teacher Professional Development (3).
 EDE 6935r. Doctoral Seminar in Elementary Education (3). (S/U grade only.)
 EDE 6937. Advanced Research Seminar in Elementary Education (3). (S/U grade only.)
 EDS 5356. Supervision of Associate Teaching (3). (S/U grade only.)
 MAE 5318. The Topics and Teaching of Elementary School Mathematics (3).
 MAE 5655. Computers in Mathematics Education (3).
 SCE 5215. Conceptual Learning in Elementary School Science (3).
 SSE 5615. Problems in Teaching Elementary School Social Studies (3).

For listings relating to graduate coursework for thesis, dissertation, and Master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

ENGLISH EDUCATION

Web Page: <http://www.coe.fsu.edu/english-ed>

Secondary English Education Undergraduate Program

The program in English education requires coursework in English, English education, teaching English as a second language, reading, and professional education. After meeting state of Florida common program prerequisites, students in English education must complete a minimum of twenty-one semester hours of English coursework. Courses must include those that focus specifically on these areas: minority American literature, American literature, multicultural literature, Shakespeare, British literature, linguistics, and advanced composition. Students should see an adviser in English education for specific courses satisfying these requirements.

In English education, candidates must complete LAE 3331, 3333, 4323, 4332, 4360, 4863, 4941, 4942 (student teaching), RED 4335. Additional English education coursework may be taken as independent study (LAE 4905r) or in special topics in teaching English (LAE 4930).

All candidates also are required to take TSL 4080 and 4081. When taken in conjunction with the courses listed above, students become eligible for the state ESOL endorsement in teaching English as a second language. They also must pass the subject area and professional knowledge portions of the Florida Teacher Certification Examination prior to student internship (LAE 4942), and must pass the General Knowledge portion prior to admission to the program.

Six semester hours of upper division professional education courses are required (as explained in the “College of Education” section of this *General Bulletin*). Students must complete all required coursework before being admitted to student teaching. Students are encouraged to student teach in the local area (Area I) or in the other areas supported by the College of Education.

In addition to meeting the College of Education criteria for admission to teacher education, students must meet the following standards in order to student teach: 1) have a “C+” or above in all courses required for the major; 2) maintain an overall ‘all college’ GPA of 2.5 or higher; 3) **Passing** score on all required subtests of the Florida Teacher Certification Exam (The FTCE General Knowledge Test; The FTCE Professional Education Test, and the FTCE Subject Area Exam in English 6-12). For more information on these exams, go to the Florida Department of Education; and 4) approval by the English education faculty.

Students who fail to meet any one of these criteria will not be allowed to student teach.

Progression to Upper-Division Programs

All first-time-in-college (FTIC) freshmen with a University matriculation date of Summer 2008 or later may make application to upper-division Middle and Secondary Education programs upon completion of all minimum requirements being met. Applicants should submit a completed program application to the Office of Academic Services and Intern Support, 2301 Stone Building. Students affected by this policy are advised to work closely with an adviser to plan completion of Liberal Studies requirements and program prerequisites.

All applicants must have fulfilled the common program prerequisites, specific program prerequisites, and have satisfied all other criteria for admission to Teacher Education programs prior to their first semester in the program,

including achievement of a passing score on the General Knowledge portion of the Florida Teacher Certification Examination. See the section entitled *Planning Guide to Educator Preparation Programs* under the “College of Education” chapter in this *General Bulletin*.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in all middle and secondary education programs except FSU-Teach satisfy this requirement by earning no less than a “C–” in EME 2040.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for the following University degree programs. Specific prerequisites are required for admission into the upper-division programs and **must** be completed by the student at either a community college or a state university prior to being admitted to these programs. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

English Teacher Education

1. EDF X005

2. EDF X085

Note: In addition to EDF X085, a minimum of six credit hours with an international or diversity focus is required. Eligible courses will be determined by the institution where the student is currently earning his or her Associate in Arts (AA) or baccalaureate degree. Foreign language courses may be used to meet this requirement. Contact the department and/or adviser for details.

3. EME X040

4. SPC X600 or SPC X016 or SPC X608

5. ENG X101 or equivalent composition

6. ENG X102 or equivalent composition

7. LIT XXXX or AML XXXX or ENL XXXX

Definition of Prefixes

LAE—Language Arts and English Education

RED—Reading Education

SSE—Social Studies Education

TSL—Teaching English as a Second Language

Undergraduate Courses

Note: English education majors also must complete coursework offered through the Department of English, the Educational Foundations Program, the Educational Psychology Program, and the Multilingual/Multicultural Education Program. Please see the department for details.

LAE 3331. Teaching Literature and Drama in High Schools (3). Prerequisite: Admission to English Education program. This course explores recent adolescent literature, resources and methods for teaching literature in high schools, uses of creative dramatics in teaching literature and language skills.

LAE 3333. Teaching Writing and Language in High Schools (3). Prerequisite: Admission to English Education program. This course focuses on the attitudes, materials, and procedures for teaching written composition, language, and grammar; planning instruction and evaluating student writing.

LAE 4323. Adolescent Literacy and Young Adult Literature (3). Prerequisites: LAE 3331, LAE 3333, TSL 4080, completion of all English Education admission requirements, including prerequisites, GPA, and FTCE General Knowledge exam. Corequisites: RED 4335, TSL 4081. This course seeks to explore ways in which young adult literature meets many of the needs of secondary school students. Students immerse themselves in the literature of young adults in order to enjoy it as a reader, recommend it to students and colleagues, and implement it within the middle school and high school curriculum.

LAE 4332. Applied English Linguistics for Teachers (3). Prerequisite: A minimum of six semester hours in composition and six semester hours in literature. This course is for prospective middle and high school teachers in contemporary approaches to English linguistics taught in Florida public secondary schools: grammar, usage, dialectology, diction (vocabulary development), semantics, and lexicography. Linguistic content is related to contemporary theories of learning.

LAE 4360. Classroom Management and Planning Instruction in Middle/High School English (3). Prerequisites: LAE 3331 and LAE 4323. This course is to be taken during the final semester of coursework, with LAE 4941. A careful consideration of the role of the secondary schoolteacher of English with special attention to effective classroom management and planning for instruction and evaluation of student progress.

LAE 4363. A Survey of British Literature for English Teachers (3). This course provides those seeking an undergraduate English-Education degree with the opportunity to develop an understanding of the scope of British literature. Participants explore historical, political, and social events that influenced the creation of literature from the Anglo-Saxon era to the present, post-modern period.

LAE 4384. A Survey of American Literature for English Teachers (3). This course is designed for secondary English teachers in need of developing content knowledge. The primary focus is on reading a variety of literary works suitable for teaching grades six through twelve.

LAE 4530. Reading Instruction for Teachers of Secondary English Language Arts (3). Prerequisites: Two from among LAE 3331, LAE 3333, and TSL 3330. In this course, participants gain experience and expertise in learning to assess, diagnose, and address the kinds of reading problems that young adolescents bring into their English language arts classes. Students learn how to interpret and draw upon theory, research, and best practices in order to find strategies and approaches that will improve adolescents' critical reading skills and their attitudes toward reading.

LAE 4694. Multicultural Literature (3). Prerequisites: Completion of all English Education admission requirements, including prerequisites, GPA, and FTCE General Knowledge exam. This course is an introduction to the ways "multiculturalism" is conceived, practiced, and represented in contemporary U.S. society. Multicultural literature signifies the study of literature and other cultural forms against and through categories of identity such as class, gender, race, and sexuality.

LAE 4860. Using Technology in Teaching Language Arts (3). Prerequisite: EME 2040 or equivalent. This course is a survey of the uses of technology to improve the achievement of students in English at the secondary level. Course includes: video, film, video camcorders, computers, computer software evaluation, media literacy, the Internet, homepages, CD-ROM, and Hypertext.

LAE 4863. Enhancing Teaching Through Technology (3). Prerequisite: EME 2040 or equivalent. This course surveys the issues and uses of technology to improve the teaching and achievement of students in the classroom. Course includes the most current instructional technology methods available to teachers.

LAE 4905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve semester hours.

LAE 4930. Special Topics in Teaching English (1–3). This course includes intensive investigations of problems and issues affecting secondary English instruction prior to and during teaching internship.

LAE 4937r. Honors Work (3). May be repeated to a maximum of six semester hours.

LAE 4941. Methods and Observation/Participation in Middle/Secondary English (3). Prerequisites: LAE 3331 and LAE 4323; Corequisite: LAE 4360. This course is to be taken during the final semester of coursework, with LAE 4360. This field study course offers a series of observation and participation activities designed to provide the English education undergraduate with pre-student teaching classroom experiences.

LAE 4942. Student Teaching in Secondary School English (12). (S/U grade only.) Prerequisites: All English, LAE, TSL, and EDF requirements. Internship in secondary English.

RED 4335. Content Area Reading for Secondary School Teachers (3). Prerequisites: LAE 3331 and LAE 3333. This course introduces pre-service teachers to the role of literacy in the content areas. Students develop the knowledge, skills, and attitudes needed to meet the literacy needs of students. This course is required for all teacher education majors, with the exception of English education majors.

RED 4360. Teaching Reading in Middle/Secondary Schools (3). A course designed to introduce prospective teachers to developmental and corrective reading practices.

RED 4905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve semester hours.

TSL 4080. Language Principles for Teachers (3). This course provides an overview of the law related to the teaching of English learners and second language acquisition theory.

TSL 4081. Teaching English Learners (3). Prerequisite: TSL 4080. This course focuses on the teaching of English learners and relates the techniques to second language acquisition theory addressed in the first ESOL course, Language Principles for Teachers.

Graduate Courses (Core Courses)

LAE 5064. Reader Response to Literature: Research and Practice (3).

LAE 5297r. Teachers as Writers (3-6).

LAE 5347r. Teaching Writing, PK-16 (3-6).

LAE 5364. A Survey of British Literature for English Teachers (3).

LAE 5368r. Classroom Management and Methods of Planning and Instruction in Secondary English (3-6).

LAE 5385. A Survey of American Literature for English Teachers (3).

LAE 5637r. Problems and Trends in Secondary English Curriculum (3-6).

LAE 5736. Written Composition in the Secondary School: Theory and Research (3).

LAE 5748r. Teacher Action Research: Studies in Teaching Writing I (3-6).

LAE 5749r. Teacher Action Research: Studies in Teaching Writing II (3-6).

LAE 5867. Teaching and Technology (3).

LAE 5908r. Directed Individual Study (1–3). (S/U grade only.)

LAE 5915r. Supervised Research (1–4). (S/U grade only.)

LAE 5932r. Special Topics in English Education (1–3).

LAE 5940r. Field Laboratory Internship (1–8). (S/U grade only.)

LAE 5945r. Supervised Teaching (1–4). (S/U grade only.)

RED 5337. Supervision and Instruction in Secondary School Reading (3).

SSE 5382. Seminar in Global and Multicultural Education (3).

For listings relating to graduate coursework for thesis, dissertation, and Master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

FOREIGN AND SECOND LANGUAGE TEACHING

New admissions to this program are suspended at the baccalaureate level; no applications will be accepted.

Definition of Prefixes

EAP—English as a Second Language for Academic Purposes

FLE—Foreign Language Education

LIN—Linguistics

TSL—Teaching English as a Second Language

Undergraduate Courses

EAP 4830r. Spoken English for International Teaching Assistants (1–3). (S/U grade only.) Practice and training in speaking current American English appropriate for university classrooms, development of cultural and interpersonal language skills necessary for performing duties as a teaching assistant. May be repeated to a maximum of twelve semester hours.

EAP 4831r. Advanced Spoken English for International Teaching Assistants (1–2). (S/U grade only.) Development of speaking and language skills necessary for instruction in a university classroom. Emphasizes content-specific varieties of American English; practice in conversational management required for instruction. May be repeated to a maximum of eight semester hours.

EAP 4832r. American Pronunciation for International Teaching Assistants (1–3). (S/U grade only.) Systematic coverage of the sounds of modern American English. Emphasis is on the role of prosodic features in comprehensibility, development of critical listening, activities for developing self-monitoring competencies.

EAP 4905r. Directed Individual Study (1–3). (S/U grade only.) Typically emphasizes classroom observation, self-monitoring techniques, and specialized training. May be repeated to a maximum of twelve semester hours.

FLE 3033. Introduction to Teaching Foreign/Second Languages (4). This course is designed to meet the needs of those teaching second languages abroad and pre-service teachers in K-12 foreign/second language education by developing an understanding of current theories of second language learning through exploration of relevant research. Opportunities are provided for students to use the theoretical base in the design of classroom lessons.

FLE 4905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve semester hours.

FLE 4937r. Honors Work (3). Prerequisite: FLE 4941. May be repeated to a maximum of six semester hours.

TSL 3330. Teaching Students with Limited English Proficiency (3). Prerequisites: Admittance to the College of Education and into the Secondary English Education program. This course provides an introduction to the teaching of students with limited English proficiency. It is the first course in a pair of ESOL courses to be taken by all English education majors and it satisfies the requirements for ESOL endorsement in the state of Florida.

TSL 4144. Foreign/Second Language Curriculum and Materials (3). This course allows students to review L2 learning stages and contemporary curricular designs that pertain to teaching second/foreign languages. Students learn to analyze existing curricula, materials, technology, and participate in the process of developing original units and materials.

TSL 4251. Applied Linguistics for Second Language Learning (3). This course is designed for pre-service teachers in the elementary, early childhood, and English education programs who will teach limited English proficient and other linguistic minority students pre-K–12.

TSL 4324. ESOL Instruction in the Content Area (3). Prerequisite: Senior standing. Theory and application of second-language learning and teaching strategies for limited English-proficient students in subject matter classes. Satisfies META requirements for all teachers of LEP students except primary language arts instructors. Appropriate for renewal of all certification coverage.

TSL 4331. Language Principles and Acquisition (4). Prerequisites: TSL 3330 as well as admittance into the College of Education and into the Secondary English Education program. This course synthesizes and reinforces concepts and theories related to the teaching of students with limited English proficiency. This is the second course in a pair of ESOL courses that are taken by all English education majors and satisfies the requirements for ESOL endorsement in the state of Florida.

TSL 4441. Second Language Testing and Evaluation (3). Prerequisites: EDF 1005, EDF 2085, EME 2040, and admission to the Secondary English-Education program. This course is designed to acquaint students with principles of second language assessment and standardized testing, to inform them of general principles of second language test construction and administration, including traditional and nontraditional assessments, and to provide practical experiences in preparing valid items and analyzing tests.

TSL 4520. Crosscultural Communication for Foreign/Second Language Teachers (3). This course provides teacher candidates with information related to crosscultural communication to prepare them to work with linguistically and culturally diverse learners in K-12 settings. Students explore the relationships between language and culture and focus on methods for fostering understanding between different cultural and subcultural groups.

TSL 4941. Practicum in Multilingual/Multicultural Education (4). Prerequisites: FLE 3033 and acceptable oral-proficiency interview score. Practical techniques for classroom instruction of basic foreign language skills; teaching intermediate and advanced levels; use and construction of foreign language tests; techniques of planning, classroom management, ethics, and school law.

TSL 4942. Associate Teaching in a Foreign Language (10). (S/U grade only.) Prerequisites: FLE 3033, FLE 4941, and passing score on the Florida Teacher Certification Examination.

TSL 4945r. Associate Teaching in English as a Second Language (2-10). (S/U grade only.) May be repeated to a maximum of ten semester hours.

Graduate Courses

- EAP 5860.** Advanced English Practice for International Educators (3). (S/U grade only.)
- FLE 5908r.** Directed Individual Study (1-3). (S/U grade only.)
- FLE 5915r.** Supervised Research (1-4). (S/U grade only.)
- LIN 5706.** Psycholinguistic Perspectives on Language Acquisition and Development (3).
- LIN 5908r.** Directed Individual Study (3). (S/U grade only.)
- LIN 5910r.** Supervised Research (1-5). (S/U grade only.)
- LIN 5932r.** Topics in Linguistics (3).
- TSL 5005.** Methodologies for Teaching Foreign and Second Languages (4).
- TSL 5142.** Development of Foreign/Second Language Curriculum and Materials (3).
- TSL 5250.** Applied Linguistics in Foreign/Second Language Teaching (3).
- TSL 5325.** ESOL (English to Speakers of Other Languages) Instruction in the Content Areas (3).
- TSL 5377.** Reading in Foreign Language Instruction (3).
- TSL 5440.** Foreign/Second Language Testing and Evaluation (3).
- TSL 5525.** Crosscultural Communication for Foreign/Second Language Teachers (3).
- TSL 5640.** Seminar: Research in Second Language Learning and Teaching (3).
- TSL 5908r.** Directed Individualized Study (1-3). (S/U grade only.)
- TSL 5915r.** Supervised Research (1-4). (S/U grade only.)
- TSL 5930r.** Seminar: Current Issues in TSL (1-3).
- TSL 5931.** Seminar: Special Topics in Applied Linguistics (2-3).
- TSL 5940r.** Field Laboratory Internship (1-8). (S/U grade only.)
- TSL 5947r.** Supervised Teaching (1-4). (S/U grade only.)
- TSL 5972r.** Thesis (1-6). (S/U grade only.)
- TSL 5974r.** Specialist in Education Thesis (1-6). (S/U grade only.)
- TSL 6641.** Research Issues and Designs in Second Language Education (3).
- TSL 6980r.** Dissertation (1-12). (S/U grade only.)
- TSL 8964r.** Preliminary Doctoral Examination (0). (P/F grade only.)
- TSL 8966r.** Master's Comprehensive Examination (0). (P/F grade only.)
- TSL 8968r.** Specialist in Education Comprehensive Examination (0). (P/F grade only.)
- TSL 8976r.** Master's Thesis Defense (0). (P/F grade only.)
- TSL 8978r.** Specialist in Education Thesis Defense (0). (P/F grade only.)
- TSL 8985r.** Dissertation Defense (0). (P/F grade only.)

For listings relating to graduate coursework for thesis, dissertation, and Master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

FSU-TEACH PROGRAM IN SECONDARY SCIENCE OR MATHEMATICS TEACHING (SSMT)

College of Arts and Sciences in collaboration with the College of Education

Web Page: <http://www.fsu-teach.fsu.edu/>

Co-Directors: Dr. Sherry Southerland (College of Education), Dr. Ellen Granger (College of Arts and Sciences); **Associate Director:** Dr. Robin Smith; **Core Faculty:** Clark, Granger, Harper, Sampson, Smith, Southerland; **Master Teachers:** Chalfant, Dyar, Kelso, Rose

Jointly developed by the College of Arts and Sciences and the College of Education, the FSU-Teach program offers a fully-integrated undergraduate curriculum with concentration areas in middle and secondary science or math-

ematics education. The FSU-Teach program is directed by Dr. Ellen Granger in the College of Arts and Sciences and Dr. Sherry Southerland of the College of Education; contact Dr. Granger at granger@bio.fsu.edu or Dr. Southerland at ssoutherland@fsu.edu for further details.

The program is a double-major only curriculum requiring students to complete a primary major in one of the sciences (biology, chemical science, geosciences, or physical science) or in mathematics in addition to a secondary major in Secondary Science or Mathematics Teaching (SSMT). Each of the discipline areas has special tracks for FSU-Teach students enabling them to complete both of their majors in four years (120 hours). Students may begin taking courses in the program as soon as they matriculate at FSU. Students are expected to meet the requirements for provisional acceptance to the program during the semester of enrollment in the Knowing and Learning course. Once certified to upper-division status by the College of Arts and Sciences, students in the FSU-Teach content-area majors with cumulative GPAs of 2.5 or better and a passing score on all four sections of the General Knowledge portion of the Florida Teacher Certification Exam must submit an application for formal admission to teacher education and the required second major (SSMT). At formal admission, students will have completed or achieved: SMT 1043 and SMT 1053 methods courses, the common-course prerequisites for the respective content-area major, and a passing score on all four sections of the General Knowledge portion of the Florida Teacher Certification Exam. Note that FSU-Teach majors are exempt from the statewide pre-education common core of EDF X005, EDG X701, and EME X040 and may be admitted in any semester of the academic year. The program is structured to allow matriculation at multiple entry points for students at different stages of their undergraduate enrollments (freshman through senior). The program encourages all students with qualifying science or mathematics coursework to explore teaching by taking the SMT 1043 and SMT 1053 methods courses *in-state* tuition-free. FSU-Teach majors will apply for provisional acceptance to the program after completion of the first two prerequisite courses, SMT 1043 and SMT 1053, for freshmen and sophomore entry, and adequate progress in courses for the primary major for junior and senior entry; application for formal admission to teacher education will be completed during the second semester of the junior year at the earliest. Although students are urged to complete their formal admission to teacher education and the SSMT major as soon as possible upon being certified for upper-division status, they must be admitted to teacher education and the major prior to final term apprenticeship (student teaching). Application for student teaching is submitted upon achievement of passing scores on the appropriate Subject Area exam and Professional Education portion of the Florida Teacher Certification Exam. These courses are ALSO required for graduation—HIS 3505, ISC 3523C, and MAT 3503 (for mathematics majors).

Graduation from the FSU-Teach program requires successful completion of a semester-long internship in a Florida public school, completion of both sets of coursework requirements for the double-major curriculum, achievement of passing scores on the appropriate Subject Area exam and Professional Education portion of the Florida Teacher Certification Exam, and retention of a cumulative GPA of 2.5 or better in both majors.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in FSU-Teach/applied geosciences satisfy this requirement by earning no less than a "C-" in ISC 3523C. Undergraduate majors in FSU-Teach/biology satisfy this requirement by earning no less than a "C-" in BSC 2010L or ISC 3523C. Undergraduate majors in FSU-Teach/chemical sciences satisfy this requirement by earning no less than a "C-" in CHM 3120L or ISC 3523C. Undergraduate majors in FSU-Teach/mathematics satisfy this requirement by earning no less than a "C-" in COP 3014 or ISC 3313. Undergraduate majors in FSU-Teach/physical science satisfy this requirement by earning no less than a "C-" in COP 3014, ISC 3313, or PHZ 4151C.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for the following University degree programs. Specific prerequisites are required for admission into the upper-division programs and **must** be completed by the student at either a community college or a state university prior to being admitted to these programs. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into these upper-division degree programs:

FSU-Teach Applied Geosciences

1. MAC X311
2. MAC X312
3. PHY X048/X048L and PHY X049C/X049L, or PHY X048C and PHY X049C
4. CHM X045/X045L and CHM X046/X046L, or CHM X045C and CHM X046C
5. SMT X043
6. SMT X053

Note: Transfer students will be able to take SMT X043 and SMT X053 while enrolled in upper division.

FSU-Teach Biology

1. BSC X010/X010L or BSC X010C or BSC X040/X040L or PCB X011C
2. BSC X011/X011L or BSC X011C or BSC X041/X041L
3. CHM X045/X045L or CHM X045C, or CHM X040 and CHM X041
4. CHM X046/X046L or CHM X046C
5. CHM X210/X210L and CHM X211/X211L, or CHM X210C and CHM X211C, or PHY X053/X053L and PHY X054/X054L, or PHY X048/X048L and PHY X049/X049L
6. MAC X311 or MAC X233 or MAC X253 or MAC X281 or MAC X241
7. MAC X312 or MAC X282 or MAC X234 or STA X023 or STA X024 or STA X321
8. SMT X043
9. SMT X053

Note: Transfer students will be able to take SMT X043 and SMT X053 while enrolled in upper division.

FSU-Teach Chemical Science

1. CHM X045/X045L, or CHM X040 and CHM 041, or CHM X045C
2. CHM X046/X046L or CHM X046C
3. CHM X210/X210L and CHM X211/X211L, or CHM X210C and CHM X211C
4. MAC X311 or MAC X281
5. SMT X043
6. SMT X053

Note: Transfer students will be able to take SMT X043 and SMT X053 while enrolled in upper division.

FSU-Teach Mathematics

1. COP XXXX: one scientific programming course for three credit hours designed for computer science majors
2. MAC X311
3. MAC X312
4. MAC X313
5. BSC XXXX/XXXXL or CHM XXXX/XXXXL or PHY XXXX/XXXXL or GLY XXXX/XXXXL: one laboratory based science course for four credit hours designed for science majors
6. MAP X302
7. SMT X043
8. SMT X053

Note: A "C" grade or better in all coursework is required for admission. Transfer students will be able to take SMT X043 and SMT X053 when admitted to upper division.

FSU-Teach Physical Science

1. CHM X045/X045L, or CHM X040 and CHM X041, or CHM X045C
2. CHM X046/X046L or CHM X046C
3. MAC X311 or MAC X281
4. MAC X312 or MAC X282
5. MAC X313 or MAC X283
6. PHY X048C and PHY X049C, or PHY X048/X048L and PHY X049/X049L

7. MAC X312
8. SMT X043
9. SMT X053

Note: Transfer students will be able to take SMT X043 and SMT X053 while enrolled in upper division. MAC X312 is a corequisite for PHY X049C.

Definition of Prefixes

SMT—Science or Mathematics Teaching

Undergraduate Courses

SMT 1043. Step 1: Inquiry Approaches to Teaching (1). This course allows students to explore teaching as a career with in-state tuition paid. Following an introduction to the theory and practice behind excellent inquiry-based mathematics and science instruction, students teach lessons in pairs to obtain firsthand experience in planning and implementation.

SMT 1053. Step 2: Inquiry-Based Lesson Design in Science/Mathematics (1). Prerequisite: SMT 1043. In this course, students continue developing the lesson-plan skills learned in SMT 1043 as they become familiar with exemplary middle-school science curricula. After observing a lesson being taught in a local school-district classroom, students work alone or in pairs to plan and teach three inquiry-based lessons to sixth, seventh, or eighth graders.

SMT 3100. Knowing and Learning in Science and Mathematics (FSU-Teach) (3). Prerequisites: SMT 1043 and SMT 1053, or permission of instructor. This course focuses on knowing and learning in secondary science and mathematics as understood from a multidisciplinary perspective. The primary goal of this course is not simply to offer a general survey of theories of scientific and mathematical knowing and learning, but also to provide students with the opportunity to identify theories of knowing and learning and to employ these theories in their own practice of science and mathematics teaching.

SMT 4301. Classroom Interactions (FSU-Teach) (3). Prerequisites: SMT 1043, SMT 1053, and SMT 3100. This course explores the role of content, pedagogy, curriculum, and technology in promoting learning and impacting equity. Topics cover discourse in the classroom, diversity, equity, and classroom learning opportunities as well as assessment methods for understanding student learning. FSU-Teach students teach a multi-day lesson with a peer, in a secondary-school setting.

SMT 4664. Project Based Instruction (FSU-Teach) (3). Prerequisites: SMT 1043, SMT 1053, and SMT 3100. Corequisite: Successful completion or current enrollment in SMT 4301. This course integrates the major themes in the FSU-Teach program: infusion of technology in representation, analysis, modeling, assessment, and contextualization of the content; field-based experiences; as well as equity in an intellectually challenging culminating experience before students start teaching. Students must complete this course prior to enrolling in the Apprentice Teaching and the seminar course (SMT 4945 and SMT 4930) of the FSU-Teach program.

SMT 4665r. Model Lessons Seminar (1). (S/U grade only.) This course includes weekly class sessions featuring invited instructors delivering model science and mathematics lessons followed by post-instructional discussions revolving around the lesson's learning objectives, subject area, instructional strategies, assessments, and learning outcomes. May be repeated to a maximum of two semester hours.

SMT 4930. Apprentice Teaching Seminar (FSU-Teach) (1-4). (S/U grade only.) Prerequisites: SMT 1043, SMT 1053, SMT 3100, and SMT 4301. Corequisite: SMT 4945. FSU-Teach students enrolled in the five hour SMT 4945 must take this corequisite, variable credit seminar. Teacher candidates meet as a seminar group for weekly 90-minute sessions during the semester. The seminar objectives and course activities serve to support the Apprentice Teaching coursework and are repeated here.

SMT 4945. Apprentice Teaching (FSU-Teach) (5). (S/U grade only.) Prerequisites: SMT 1043, SMT 1053, SMT 3100, and SMT 4301. Corequisite: SMT 4930. This course allows students to participate in teaching science and/or mathematics in secondary schools as their capstone field experience for the FSU-Teach (SSMT) major in the sciences and mathematics. The focus of this capstone experience is the synthesis and translation of the content and pedagogical knowledge learned in the program to the secondary classroom. This course contains signature assessments that must be successfully completed in order to earn an Institutional Recommendation for certification.

HEALTH EDUCATION

New admissions to this program have been suspended at all degree levels; no applications will be accepted.

Definition of Prefix

HSC—Health Sciences

Undergraduate Courses

HSC 2100. Health Implications of our Changing Culture (3). Contemporary health problems arising from changing living patterns, morals, values, and environment.

HSC 3120. Consumer Health (3). Demonstrate appropriate decision-making skills and other life skills as applied to the purchasing of health goods and services.

HSC 3312. Problems in Health Education (3). Prerequisite: HSC 4200. Analyzes and applies the appropriate individual and group health educators/health promotion teaching/learning interventions.

HSC 3313. Strategies for Effective Health Education Program Development (3). Prerequisite: HSC 4200. Corequisite: HSC 3312. Participate in a variety of techniques useful in educational settings to analyze, plan, implement, and evaluate health education methodologies and strategies for a school setting.

HSC 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

HSC 4143. Preventive Approaches and Strategies in Drug Education for the Educator (3). A review of preventive strategies related to drug usage. Stressed are physiological, psychological, and sociological aspects of drug use and drug abuse.

HSC 4201. Introduction to Community Health (3). Philosophy and practice of public and community health including economic, sociologic, and legal justifications.

HSC 4300. School Health Methods/Strategies (4). Prerequisites: HSC 3312 and HSC 3313. Health instruction, services, and environment are presented and problems/issues of practicing health educators, K–12, are discussed.

HSC 4814r. Community Health Education Field Experience (5–15). (S/U grade only.) Application of theoretical knowledge and strategies to the development of health education skills in a community health setting. May be repeated to a maximum of fifteen semester hours.

HSC 4870r. Student Teaching in Health Education (1–15). (S/U grade only.) Prerequisite: HSC 4300. Application of school health education theory to the practice under the direct supervision of a school health educator. May be repeated to a maximum of fifteen semester hours.

HSC 4906r. Directed Individual Study (1–3). May be repeated to a maximum of twelve semester hours.

HSC 4935r. Selected Special Topics in Health Education (3). An analysis of selected topics related to health education. May be repeated to a maximum of six semester hours when topics vary in content and area.

Graduate Courses

HSC 5006. Foundations of Health Promotions (3).

HSC 5142. Health/Drug Education/Promotion Strategies in Schools (3).

HSC 5815r. Supervised Community Health Education Field Experience (1–12). (S/U grade only.)

HSC 5875r. Supervised Teaching (1–4). (S/U grade only.)

HSC 5908r. Directed Individual Study (1–3).

HSC 5915r. Supervised Research (1–4). (S/U grade only.)

HSC 5935r. Selected Special Topics in Health Education (3).

MATHEMATICS EDUCATION

New admissions to this program have been suspended; no applications will be accepted. Students with an interest in teaching mathematics at the middle or secondary levels should pursue the FSU-Teach program track.

Definition of Prefix

MAE—Mathematics Education

Undergraduate Courses

MAE 4320. Teaching Mathematics in the Middle School (3). Prerequisites: MAC 2311, MAE 4816, or instructor permission. Introduces students to the nature of the student learning and mathematics curricula in grades five through nine (5–9). Appropriate pedagogical strategies for the mathematical content of the middle grades are considered.

MAE 4330. How Adolescents Learn Mathematics (3). Prerequisite: MAC 2311. This course examines the following topics: foundation in adolescents' learning of mathematics; theories of learning in mathematics; the nature of mathematics; and learners' mathematical processes (problem solving, reasoning, representation, communication, and connections.) It also analyzes middle and high school mathematics curricula from the perspective of adolescent learning.

MAE 4335. Teaching High School Mathematics (3). Prerequisites: MAC 2311 and MAC 2312. This course provides a foundation in the pedagogy of mathematics, focusing on the use of problem solving, cooperative learning, and appropriate tools for teaching algebra, geometry, trigonometry, calculus, statistics and probability, measurement, and number concepts and operations.

MAE 4657. Using Technology in the Teaching of Mathematics (3). Prerequisite: EME 2040. This course explores the uses of various technologies in mathematics classes, demonstrated through hands-on activities and experiences.

MAE 4862. Using History in the Teaching of Mathematics (3). The course examines the historical origins and evolution of key mathematics concepts. Selected topics are chosen from number systems, numeration, computation, number theory, algebra, geometry, analytic geometry, and calculus.

MAE 4905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve semester hours.

MAE 4940. Classroom Management and Planning Instruction in Middle/High School Mathematics (4). Prerequisites: EDF 4430, MAC 2311, MAE 4330, MAE 4816, or instructor permission. This course provides for a focused examination of instructional strategies, planning, evaluation, classroom management, school laws, professional ethics, and school safety in the middle and high school mathematics classroom. Prospective teachers are expected to demonstrate an ability to impact student learning in grades 5–12. This course is to be taken during the semester prior to MAE 4945.

MAE 4941r. Field Experiences in Teaching Mathematics (1–3). (S/U grade only.) May be repeated to a maximum of six semester hours.

MAE 4945. Student Teaching in Mathematics (12). (S/U grade only.) Prerequisite: MAE 4940. Supervised semester-long classroom teaching experience in a Florida public school.

Graduate Courses

MAE 5146. School Mathematics Curriculum (3).

MAE 5175. Teaching Community College Mathematics (3).

MAE 5337. Seminar on the Teaching of Algebra (2).

MAE 5338. Seminar on the Teaching of Geometry (2).

MAE 5641r. Special Topics in Mathematics Education (2–3).

MAE 5658. Using Technology in the Teaching of Mathematics (3).

MAE 5690. Ethnomathematics (3).

MAE 5691. Mathematics Learning and Teaching (3).

MAE 5795. Seminar on Research in Mathematics Education (2).

MAE 5865. Using History in the Teaching of Mathematics (3).

MAE 5908r. Directed Individual Study (1–3). (S/U grade only.)

MAE 5915r. Supervised Research (1–4). (S/U grade only.)

MAE 5942r. Field Laboratory Internship (1–8). (S/U grade only.)

MAE 5946r. Supervised Teaching (1–4). (S/U grade only.)

MAE 6148. Curriculum in Math Education (3).

MAE 6797. Advanced Seminar on Research in Mathematics Education (4).

MAE 6938r. Doctoral Seminar in Mathematics Education (1–3).

MAE 6939. Seminar in Mathematics Teacher Education (3).

For listings relating to graduate coursework for thesis, dissertation, and Master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

READING AND LANGUAGE ARTS

Web Page: <http://www.coe.fsu.edu/Academic-Programs/Departments/School-of-Teacher-Education-STE/Degree-Programs/Reading-and-Language-Arts>

Reading education and language arts is a graduate program offering degrees at the major leading to Master's, Specialist, and Doctoral levels degrees in Curriculum and Institution. For more information, refer to the *Graduate Bulletin*. However, the program does offer undergraduate courses that are part of the teacher education curriculum.

Definition of Prefixes

LAE—Language Arts and English Education

LIS—Library and Information Studies

RED—Reading Education

Graduate Courses

LAE 5319. Teaching Oral and Written Expression in the Elementary School (3).

LAE 5349. Language and Literacy Development through Storytelling/Storywriting (3).

LAE 5415. Investigation in Children's Literature (3).

LAE 5515. Language and Literacy Assessment (3).

LAE 5738. Linguistic Research in Language Education (3).

LAE 5931r. Special Topics in Elementary Language and Literature (1–3).

LAE 6746. Theory and Research in Language Education (3).

LIS 5566. Multicultural Literature and Information Resources for Children and Young Adults (3).

LIS 5567. International Literature for Children and Young Adults (3).

RED 5109. The Development and Assessment of Emergent Reading and Writing (3).

RED 5147. Foundations of Developmental Reading (3).

RED 5337. Supervision and Instruction in Secondary School Reading (3).

RED 5385. Teaching Reading to Adult Illiterates (3).

RED 5546. Diagnosis of Reading Disabilities (3).

RED 5548. Correction of Reading Disabilities (3).

RED 5646. Trends and Issues in Reading (3).

RED 5695. Policy Issues in Reading (3).

RED 5744. Using Literacy Research to Inform Practice (3).

RED 5865. Leadership Practicum in Reading and Language Arts (3).

RED 5906r. Directed Individual Study (1–3).

RED 5911r. Supervised Research (1–5). (S/U grade only.)

RED 5945r. Supervised Teaching (1–5). (S/U grade only.)

RED 5947. Seminar and Practicum in Reading and Language Arts (3). (S/U grade only.)

- RED 6747. Theory and Research in Reading (3).
 RED 6938r. Doctoral Seminar in Reading and Language Arts (1–3). (S/U grade only.)

SCIENCE EDUCATION

Web Page: <http://www.coe.fsu.edu/Academic-Programs/Departments/School-of-Teacher-Education-STE/Degree-Programs/Science-Education>

New admissions to this program have been suspended; no applications will be accepted. Students with an interest in teaching science at the middle or secondary levels should pursue the FSU-Teach program track.

Definition of Prefix

SCE—Science Education

Undergraduate Courses

SCE 4320. Introduction to Middle School Science Teaching (3). The focus of this course is on the roles and responsibilities of science teachers. There is a 30-hour field component to this course.

SCE 4362. Teaching and Learning Science (3). The focus of this course is planning, instruction, learning, and classroom environment. There is extensive fieldwork (thirty hours) and students will work with a teacher in an area high school.

SCE 4363. Advanced Topics in High School Science Teaching and Learning (3). Prerequisites or corequisites: SCE 4320 and SCE 4362. This course assumes previous field experiences and focuses on issues in curriculum, assessment, and the use of technology in science instruction. This course is offered at the school site, is project-based, and there is an extensive fieldwork component.

SCE 4835C. Teaching Earth and Space Science (3). This course examines the pedagogical content knowledge needed to teach earth/space science.

SCE 4905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve semester hours.

SCE 4920r. Science Education Colloquium (0). (S/U grade only.) Colloquium provides opportunities for sharing and to learn about current science education research. May be repeated to a maximum of eight times.

SCE 4939r. Seminar in Contemporary Science and Science Education (1). May be repeated to a maximum of four semester hours. Two hours must be taken prior to or concurrent with SCE 4330. Required for arts and sciences majors.

SCE 4944. Student Teaching in Science (10). (S/U grade only.) Corequisite: SCE 4948r.

SCE 4948r. Classroom Management and Planning in Science Education (3). Prerequisites: EDF 1005, EDF 2085, EME 2040, SCE 4320, SCE 4362, SCE 4363, and TSL 4324. Corequisite: SCE 4944. This course provides support and guidance to science education students participating in student teaching. The course focus is on classroom management and planning, professional ethics, and school law.

Graduate Courses

- SCE 5140. Curriculum in Science Education (3).
 SCE 5147. Perspectives on Learning in Science Education (3).
 SCE 5225. Conceptual Learning in Middle School Science (3).
 SCE 5331. Management and Planning in Science Teaching (3).
 SCE 5332. Methods for Teaching Science in Secondary Schools (3).
 SCE 5336. Instructional Strategies that Promote Learning in Science (3).
 SCE 5340. Teaching and Learning Science (3).
 SCE 5545. Teaching Science in Diverse Classrooms (3).
 SCE 5642. Science Teaching and Education Policy (3).
 SCE 5740. Research Methods in Science Education (3).
 SCE 5836C. Teaching Earth and Space Science (3).
 SCE 5895. Nature of Science and Science Technology (3).
 SCE 5905r. Directed Individual Study (1–3). (S/U grade only.)
 SCE 5910r. Supervised Research (1–4). (S/U grade only.)
 SCE 5921r. Colloquium (1). (S/U grade only.)
 SCE 5935r. Special Problems in the Teaching of Secondary School Science (1–3).
 SCE 5942. Internship for Graduate Students (1–10). (S/U grade only.)
 SCE 5943r. Field Laboratory Internship (1–8). (S/U grade only.)
 SCE 5945. Initial Practicum in the Teaching and Learning of Science (3).
 SCE 5946r. Supervised Teaching (1–4). (S/U grade only.)
 SCE 5947. Final Practicum in the Teaching and Learning of Science (3).
 SCE 5949r. Field Lab Internship (1-3)
 SCE 5954. Portfolio Defense (0). (P/F grade only.)
 SCE 5973r. Specialist in Education Thesis (1–6). (S/U grade only.)
 SCE 6345r. Teaching and Learning Science (3).
 SCE 6351. Curriculum Design in Science (3).
 SCE 6395. Science Teacher Education (3).
 SCE 6761r. Research, Recent Developments, and Current Issues in Science Education (3–5).
 SCE 6922r. Colloquium in Science Education (1). (S/U grade only.)

- SCE 6938r. Advanced Seminar in Science Education (2).

For listings relating to graduate coursework for thesis, dissertation, and Master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

SOCIAL SCIENCE EDUCATION

Web Page: <http://www.coe.fsu.edu/socialscience-ed>

Admission Requirements

Students accepted into the social science teacher education program must have completed: (1) the liberal studies requirements summarized in the "Undergraduate Degree Requirements" chapter of this *General Bulletin*; (2) the state of Florida common program prerequisites for social sciences described earlier in this section; and, (3) the requirements for admission into a teacher education program described in the "College of Education" chapter of this *General Bulletin*, which includes the following minimum standards: 2.5 overall GPA and passing all sections of the FTCE General Knowledge test. This test is required for certification and is part of the Florida Teacher Certification Examination.

Curriculum for Teachers of Middle and Secondary Social Science Leading to a Baccalaureate Degree and Florida Teacher Certification

Students preparing to teach middle and secondary school social science must complete forty-eight semester hours as follows: six semester hours of economics, six semester hours of geography, three semester hours of psychology or sociology, six semester hours of American government, six semester hours of American history, six semester hours of world history, three semester hours of public speaking at the 2000 level, one three semester hour 3000/4000 course (must be a non-American, non-European history or social science course), and nine semester hours in a field of concentration focused on a topic/theme related to social science instruction (e.g., American culture, area studies, world affairs, ethnic studies). The forty-eight semester hours may include courses in history and social science taken for liberal studies and those taken to meet the state of Florida common program prerequisites for admission to the upper division major.

Professional education requirements and prerequisites for student teaching are: EDF 4430, 4210, RED 4335, TSL 4324, SSE 4362, 4664, and 4940. Students may not use for their field of concentration any course in which they receive a grade below "C." Prior to admission to student teaching, students must achieve an overall GPA of 2.5 or higher and earn a grade of "C" or better in each of the social science methods courses.

Students who have completed a Bachelor's degree in an appropriate field may also seek certification only in conjunction with coursework applied toward a graduate degree. In meeting requirements for certification, these students should enroll in graduate-level professional courses.

In addition to the minimum standards for entrance and exit of a Teacher Preparation Program specified under the "College of Education" header in this *General Bulletin*, the social science education program requires that students meet the following criteria for admission and conferral of the Baccalaureate degree: (1) only degree-seeking students will be admitted to the social science certification program, which is an integral part of the degree requirements; (2) successful progression to internship requires that students pass the Content (Social Studies 6–12), Professional, and General Knowledge sections of the Florida Teacher Certification Examination; and (3) in the interest of effective supervision, student teachers will, of necessity, be placed in clusters within designated school systems in Florida. There can be no assurance given that students will be placed in counties based on personal preference or convenience. A signed student teaching location preference form is required.

The state of Florida requires that all school districts initiate a level II (FDLE and FBI) criminal background check on all adults who work in schools. Courses in Social Science Education have a required school component. Thus it is not possible to pass these courses of the student is blocked from entering Leon County Schools.

While enrolled in teacher education programs, the student is expected to demonstrate behaviors and dispositions that conform to the "Code of Ethics" (State Board of Education Rule 6B-1.00, FAC) and the "Principles of Professional Conduct in Florida" (State Board of Education Rule 6B-1.006, FAC). The programs reserve the right to refuse or discontinue enrollment of any student who violates these expectations or in the judgment of a majority of the program faculty does not meet the program standards.

Progression to Upper-Division

All first-time-in-college (FTIC) freshmen with a University matriculation date of Summer 2008 or later may make application to upper-division Middle and Secondary Education programs upon completion of all minimum requirements being met. Applicants should submit a completed program application to the Office of Academic Services and Intern Support, 2301 Stone Building. Students affected by this policy are advised to work closely with an adviser to plan completion of Liberal Studies requirements and program prerequisites.

All applicants must have fulfilled the common program prerequisites, specific program prerequisites, and have satisfied all other criteria for admission to Teacher Education programs prior to their first semester in the program, including achievement of a passing score on the General Knowledge portion of the Florida Teacher Certification Examination. See the section entitled *Planning Guide to Educator Preparation Programs* under the "College of Education" chapter in this *General Bulletin*.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in all middle and secondary education programs except FSU-Teach satisfy this requirement by earning no less than a "C-" in EME 2040.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for the following University degree programs. Specific prerequisites are required for admission into the upper-division programs and **must** be completed by the student at either a community college or a state university prior to being admitted to these programs. Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.fvc.org/fvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

Social Sciences Teacher Education

1. EDF X005
2. EDF X085

Note: In addition to EDF X085, a minimum of six credit hours with an international or diversity focus is required. Eligible courses will be determined by the institution where the student is currently earning his or her Associate in Arts (AA) or baccalaureate degree. Foreign language courses may be used to meet this requirement. Contact department and/or adviser for details.

3. EME X040
4. AMH X010
5. AMH X020
6. POS X041
7. ECO XXXX or SOC XXXX or ANT XXXX or PSY XXXX or GEA XXXX

Definition of Prefixes

EDF—Education: Foundations and Policy Studies

SSE—Social Science Education

Undergraduate Courses

SSE 3321. Teaching History in the Middle and Secondary School (3). Prerequisites: AMH 2010 or AMH 2020, EUH 2000, and WOH 1023 or WOH 1030. This course examines methodological approaches to the teaching of United States and world history. Students explore the chronological and thematic organization of history courses, primary sources, and narrative in the teaching of history. A focus is on the development of historical cognition.

SSE 4194. Developing a Global Perspective (3). The course examines theory and practice in global education and the integration of global perspectives into curriculum and pedagogy in social-sciences and social-studies education. The course evaluates major issues and controversies embedded in the field, and enables students to critique scholarship, analyze controversies, and propose ideas for integrating global perspectives in curriculum and instruction.

SSE 4362. Fundamentals in Teaching Social Studies (3). Corequisites: SSE 4364 and SSE 4664. This course explores rationale for social studies instruction and an examination of traditional social science instructional methods.

SSE 4364. Skill Development in Social Studies (3). Corequisites: SSE 4362 and SSE 4664. This course emphasizes strategies in dealing with reading and writing problems.

SSE 4390. Teaching Global Issues Simulating the United Nations (3). This course simulates the United Nations as students examine prevalent historical, political, and socio-economic global issues permeating the United States and other nations. Students critically analyze textual materials, long-range effects of deeply-embedded issues on the human condition worldwide, and use new knowledge and understanding learned to develop lesson plans appropriate to national and state standards. In simulating the U.N. General Assembly, students develop an understanding of cross-cultural communication, negotiations, compromise, and practices, along with learning about the philosophy, history, and purpose of the United Nations.

SSE 4664. Inquiry in Teaching Social Studies (3). Corequisites: SSE 4362 and SSE 4364. This course provides theory and practice in discovery, problem solving, and inquiry teaching of social science.

SSE 4904. Directed Independent Study (1-3). (S/U grade only.) This course allows students to study individually, under the direction of a faculty member. Topics vary and are usually selected on an individual basis. Hours may vary.

SSE 4931r. Special Topics (1-3). This course offers topics of current or special interest to students and instructors. Topics may vary from semester to semester. May be repeated within the same term to a maximum of three semester hours.

SSE 4940r. Field Study in Social Education (1-3). (S/U grade only.) A participant observation field study course in an education setting to be arranged with the instructor. May be repeated to a maximum of three semester hours.

SSE 4944. Student Teaching in Social Science Education (15). (S/U grade only.) Prerequisites: SSE 4362, SSE 4364, and SSE 4664. A fifteen-week, off-campus student-teaching experience in Florida schools, supervised by University faculty in social science education.

Graduate Courses

- EDF 5885.** Education in the Arab World (3).
- EDF 5887.** Multicultural Education (3).
- EDF 5920r.** Colloquium: Bilingual/Bicultural Education (1).
- EDF 5921r.** Special Language and Culture Colloquium (2).
- SSE 5144.** Models of Teaching Social Studies (3).
- SSE 5195.** Developing a Global Perspective (3).
- SSE 5347r.** Seminar: Contemporary Public Affairs and Trends for Teachers (3).
- SSE 5365r.** Problems of Teaching Social Studies in Secondary School and Junior College (1-3).
- SSE 5366.** Skill Development in Social Studies (3).
- SSE 5367.** Fundamentals in Teaching Social Studies (3).
- SSE 5386.** Goals and Methods for the Teaching of History (3).
- SSE 5665.** Inquiry in Teaching Social Studies (3).
- SSE 5675.** Seminar in Civic Education (3).
- SSE 5676.** The Effects of Globalization on Economy, Culture, and Geopolitics (3).
- SSE 5907r.** Directed Individual Study (1-3). (S/U grade only.)
- SSE 5915r.** Supervised Research (1-4). (S/U grade only.)
- SSE 5937r.** Special Topics in Social Science Education (3).
- SSE 5943.** Field Laboratory Internship (1-8). (S/U grade only.)
- SSE 5946r.** Supervised Teaching (1-4). (S/U grade only.)
- SSE 5947.** Internship for Graduate Students (1-10). (S/U grade only.)
- SSE 6931.** Doctoral Seminar in Social Science Education Research (3).
- SSE 6933.** Seminar: History of Social Studies/Social Science Education (3).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

SPECIAL EDUCATION

Web Page: <http://www.coe.fsu.edu/special-ed>

Program requirements for state-approved educator preparation programs 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-5.066, Approval of Educator Preparation Programs.

Exceptional Student Education (Combined BS/MS Program)

This degree major is designed to prepare individuals for careers as public school teachers of students with disabilities. The program leads to eligibility for Florida certification in exceptional student education for grades K through 12 with an ESOL endorsement and is NCATE approved.

This degree major is a three-year program that culminates in the Bachelor of Science (BS) and the Master of Science (MS) degree awarded simultaneously. Students must maintain a 3.0 grade point average (GPA) during the junior/senior years of study AND earn department minimum scores on the Graduate Record Examinations (GRE) in order to be admitted to the required graduate component of the three-year, combined program. Contact department faculty for more information.

Note: Effective August 2011, the GRE Revised General Test replaced the GRE General Test. To learn more about this new test, go to <http://www.ets.org/gre>.

Visual Disabilities Education and Visual Disabilities Studies

The objective of the visual disabilities degree major is to prepare specialists to provide services to individuals who are either blind or have low vision. The Bachelor's degree program prepares individuals as classroom teachers. Following graduation, students are employed in a variety of settings that offer services to children and youth with visual impairments. Visual Disabilities Education is the initial-certification major and culminates in a fifteen-week internship; Visual Disabilities Studies is a non-certification track intended for students planning to enter the Master's program in Visual Disabilities and complete certification requirements at an advanced level.

Each student preparing to major in visual disabilities education must take EVI 4011, EVI 4121, EVI 4211, EVI 4212, EVI 4220, EVI 4230, EVI 4250, EVI 4254, EVI 4311, EVI 4312, EVI 4314, EVI 4324, EVI 4330, and EVI 4940. These courses must be taken in sequence. Students must complete all courses within a given semester with a grade of "C" or better and maintain a cumulative 2.5 GPA or better to continue to the next semester.

Continuation Requirement

All special education majors must earn a minimum grade of "C-," "satisfactory," or "pass" in each required course.

Admission Requirements

1. **New students are admitted to the Exceptional Student Education Program ONLY in the Fall semester; students should work closely with an adviser to plan completion of basic requirements around the Fall timetable.** Program applications are available in *G107 Stone* or on the Web at <http://www.coe.fsu.edu>. Deadline for Fall consideration is March 1st of the preceding Spring term.
2. **New students typically are admitted to the Visual Disabilities Program in the Fall semester, but admission in the Spring and Summer is possible with permission of an adviser. Students should work closely with Program faculty when considering admission.** Program applications are available in *G107 Stone* or on the Web at <http://www.coe.fsu.edu>.
3. A 2.5 GPA minimum during the freshman and sophomore years is required.
4. Previous experience with individuals with disabilities (for example, volunteer work) is helpful.
5. Students must interview with program faculty.
6. All admission criteria for teacher certification must be met (listed in the "College of Education" chapter of this *General Bulletin*).

Requirements

Background Check: The state of Florida requires that all school districts initiate a level II (FDLE and FBI) criminal background check on all adults who work in schools. Because all courses in special education have a required school component, it is not possible to pass any of the courses if the student is blocked from entering Leon County Schools. Any student who is not able to document that he/she has been cleared by the end of the second week of classes in the first term enrolled will be required to drop all courses and withdraw from the program.

Professional Behaviors and Dispositions: While enrolled in any of the initial certification Special Education programs, the student is expected to demonstrate behaviors and dispositions that conform to the "Code of Ethics" (State Board of Education Rule 6.B-1.001, FAC) and the "Principles of Professional Conduct in Florida" (State Board of Education Rule 6B-1.006, FAC). The program reserves the right to refuse or discontinue enrollment of any student who violates these expectations or in the judgment of a majority of the faculty does not meet the program standards.

Definition of Prefixes

EBD—Education: Emotional/Behavioral Disorders
EDF—Education: Foundations and Policy Studies
EEX—Education: Exceptional Child-Core Competencies
ELD—Education: Specific Learning Disabilities
EMR—Education: Mental Retardation
EVI—Education: Visually Impaired-Blind

IDS—Interdisciplinary Studies

MHS—Mental Health Services

Undergraduate Courses

EBD 4011. Introduction to the Socially and Emotionally Disturbed (3). This course is designed to introduce students to the history of providing services to emotionally handicapped children and youths as well as examine the evolving trends in the field. Additionally, theories of causality are investigated and approaches for improving academic and social behavior are analyzed.

EDF 2085. Teaching Diverse Populations (3). Students acquire an understanding of the complexity and diversity in the American and Florida populations in general and the school and community populations in particular. Students participate in a field-based experience.

EEX 3601. Applied Behavior Analysis for Special Educators (3). Corequisite: EEX 3831. Introduction to behavioral principles and procedures useful for managing the behavior of students with handicaps. For majors only.

EEX 3831. Practicum in Direct Observation (2). Corequisite: EEX 3601. This course employs direct observation and recording techniques for analysis of classroom management strategies.

EEX 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

EEX 4012. Foundations of Special Education (3). This introductory course includes classic and contemporary readings in the field of special education. An overview of how society has responded to the various conceptualizations of human exceptionalism is presented. Students are introduced to the trends and people that formed the foundation of contemporary special education. Current policies and practices are also examined.

EEX 4014. Introduction to Mental Disabilities (3). Designed to provide students with an overview of the basic knowledge pertinent to mental disabilities. Special attention is given to the educational, social, and psychological aspects of mental disabilities.

EEX 4050. Introduction to Learning and Behavior Disorders (3). This course examines the fields of learning and behavioral/emotional disorders from historical, theoretical, practical, and public school perspectives.

EEX 4070. Including Students with Disabilities in the General Education Curriculum (3). This course provides participants with the knowledge and skills to include students with disabilities in the general education curriculum by adapting instruction and assessment procedures and processes.

EEX 4201. Typical and Atypical Development and Learning (3). This course examines typical and atypical learning and development throughout the lifespan.

EEX 4212r. Educational Assessment for Students with Disabilities (3). This course is designed to provide an opportunity for students to develop performance skills in the administration of formal and informal assessment instruments and processes.

EEX 4223. Individualized Educational Planning (3). Provides students with the opportunity to demonstrate effective use of diagnostic skills. For majors only.

EEX 4250. Individualized Reading Instruction for Students with Disabilities (3). This course reviews methods for teaching reading to individuals with disabilities.

EEX 4251. Teaching Mathematics to Learners with Disabilities (3). Instructional methods and curriculum to teach mathematics to students with disabilities are examined.

EEX 4253. Functional Reading and Life Skills for Individuals with Disabilities (3). This course examines methods for teaching functional reading and life skills to individuals with disabilities.

EEX 4486. Differentiated Instruction for Students with Exceptionalities (3). This course is designed to provide future special education teachers with the knowledge and skills needed to meet the diverse learning needs of students found in today's general education classrooms.

EEX 4487. Social Studies and Science Curriculum for Special Educators (3). This course provides an overview of and foundation for teaching science and social studies to learners with disabilities (P-12). Students develop knowledge and skills in using a variety of instructional methods and materials appropriate for providing access to the general education science and social studies curriculum for learners with disabilities.

EEX 4605. Classroom Management for Special Educators (3). This course provides class participants with the knowledge and skills to effectively manage the behavior of learners with disabilities within a classroom setting. Course content is organized around the Pyramid Model that includes three tiers of behavior management based on principles of positive behavior support: 1) Universal supports, 2) Prevention, and 3) Intervention.

EEX 4613. Positive Behavior Support (3). This course provides students with the knowledge and skills necessary to develop, implement, and evaluate the impact of positive behavior supports. Emphasis is placed on understanding the communicative function of challenging behaviors, the teaching of new skills that make the challenging behavior unnecessary, and the prevention of the recurrence of challenging behaviors.

EEX 4751. Collaboration with Families, Schools, and the Community (3). This course provides the knowledge and skills necessary for collaborating with families, other professionals, and community members.

EEX 4770. Study of Human Exceptionality (3). This course increases learner knowledge and awareness of the characteristics and needs of people with exceptionalities, and acquaint learners with the resources, issues, and trends related to appropriately meeting these needs.

EEX 4834. Introductory Practicum in Special Education (2). This practicum provides experience with individuals with a range of disabilities.

EEX 4842. Practicum with Students with Low Incidence Disabilities (2). This practicum provides experience with individuals with low incidence disabilities.

EEX 4861. Student Teaching in Special Education (11–12). (S/U grade only.) In this course, student teachers teach students with disabilities for one semester within a public school setting, full-time, and under the supervision of a certified special education teacher.

EEX 4905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve semester hours.

EEX 4920. Pre–Student Teaching Seminar (1). (S/U grade only.) Prepares last-term majors in special education for the transition from student to professional, lays the groundwork for the culminating activity of student teaching, and acquaints the new professionals with their future role and responsibility to the field of exceptional student education.

EEX 4930r. Special Topics in Special Education (1–3). In this course, topics vary from term to term. May be repeated to a maximum of nine semester hours.

EEX 4941. Practicum with Students with High Incidence Disabilities (2). This practicum provides experience with individuals with high incidence disabilities.

EEX 4970r. Honors Work in Special Education (3). Prerequisite: Admission to the honors program. Corequisites: EDF 5481 or EEX 5931 or equivalent. This course is designed to provide qualified upper-division majors in special education an opportunity to undertake an independent and original research project. May be repeated to a maximum of nine thesis hours with instructor approval.

ELD 4011. Introduction to Specific Learning Disabilities (3). This course is designed to introduce the student to the changing field of learning disabilities with emphasis on the various theories that have shaped the field.

EMR 4360. Functional Reading, Academics, and Life Skills for Individuals with Mental Disabilities (3). This course is designed to prepare teachers to teach functional reading and related academic skills to individuals with mental disabilities.

EVI 1012. The Blindness Experience (3). In this course, students explore blindness, talk with people who are intimately familiar with blindness, and experience adventure under blindfold. Students explore society's reaction to blindness, probing its roots, and take a closer look at how views of blindness are shaped when experienced through the lenses of gender, race, class, religion, and ethnicity. Through blindfold experiences, students have opportunities to learn about braille and the activities of daily life necessary for achieving independence. Through writing, students explore their own reactions and thoughts of blindness, and reflect on the many questions that arise from delving deeper into the blindness experience.

EVI 4011. Introduction to Visual Disabilities (3). Designed to provide an overview of the population of people who have visual impairments and the role of specialized service providers. Special attention is given to the effects of visual impairment on development and learning.

EVI 4110. Assessment of Visually Impaired Students (3). Prerequisites: EVI 4011, EVI 4121, and EVI 4211. Students are prepared in this course to participate in the comprehensive assessment of individuals with visual impairments, including those students who have multiple disabilities, by using formal and informal instruments and authentic assessment procedures appropriate to the population. Students will be prepared for their future consulting role as members of transdisciplinary assessment teams.

EVI 4121. Anatomy and Diseases of the Eye for Blindness Professionals (3). The purpose of this class is to introduce prospective teachers of students with visual impairments, orientation and mobility specialists, and rehabilitation teachers to the anatomy and physiology of the human eye, the visual mechanism, its embryologic development, and various eye pathologies. Particular emphasis is placed on the impact of these eye pathologies on the visual functioning of the individual.

EVI 4211. Literary Braille (3). In this course students develop skills in the preparation of materials for blind students in the literary Braille code using a braillewriter. Interlining and proofreading are emphasized.

EVI 4212. Nemeth Code and Supporting Math Instruction for Students with Visual Impairments (3). Prerequisites: EVI 4011, EVI 4211, and EVI 4254. The purpose of this course is to enable students preparing to be teachers of blind school-age children to support the instruction of mathematics skills in students with visual impairments. Topics include the foundation of the acquisition of mathematics skills, the Nemeth Code, adaptations of mathematics diagrams and structures, instruction in the abacus, and strategies for teaching mathematics skills to students with visual impairments.

EVI 4220. Introduction to Orientation and Mobility (3). Provides future teachers of students with visual impairments and rehabilitation teachers with an appreciation for and a realistic understanding of the problems inherent in the orientation and mobility experienced by visually impaired individuals. Stresses techniques for teaching O/M in indoor environments.

EVI 4230. Educational Management of Students with Visual Impairments (3). Prerequisites: EVI 4211, EVI 4212, and EVI 4312. The purpose of this course is to provide participants with the knowledge and skills necessary to manage the successful integration of students with visual impairments into the general education environment. Legal, ethical, and safety issues related to the education of students with visual impairments are explored. In addition, students are assisted as they prepare for their student teaching experience.

EVI 4250. Teaching Social and Career Skills to Students with Visual Impairments (3). Prerequisites: EVI 4011 and EVI 4254. The purpose of this course is to provide participants with the knowledge and skills necessary to design and implement instructional activities to increase the development of social and career skills in children with visual impairments. Emphasis is placed on infusing these skills into everyday activities, educational instruction, and collaboration with families and communities to improve student outcomes.

EVI 4254. Teaching Independent Living Skills to Students with Visual Impairments (3). This course is designed to provide students planning to be teachers of students with visual impairments with the techniques and instructional tools to safely teach independent living skills, including the skills associated with food preparation, household management, personal grooming, clothing care, and health management.

EVI 4311. Teaching Reading and Writing to Students with Visual Impairments (3). Prerequisites: EVI 4011, EVI 4211, and EVI 4314 or 5316. Prepares future educators with strategies and techniques necessary for determining the mode of reading and for teaching reading and writing skills to students with visual impairments.

EVI 4312. Academic Modifications in the Public School Class (3). Prerequisites: EVI 4011, and EVI 4212. Corequisite: EVI 4314. This course provides participants with the knowledge and skills necessary to successfully integrate students who are visually impaired in the core education environment. Students learn to adapt classroom materials, collaborate with general education personnel, and develop direct teaching strategies that enhance the optimum functioning of a learner with a visual impairment.

EVI 4314. Low Vision (3). Prerequisite: EVI 4121. The purpose of this course is to prepare prospective teachers of students with visual impairments, orientation and mobility specialists, and rehabilitation teachers for facilitating the visual functioning of individuals with low vision. Students learn the basics of optics and how to conduct functional vision evaluations, to modify environments, and to teach the effective use of low vision devices.

EVI 4324. Assistive Technology for Students with Visual Impairments in the Schools (3). Prerequisite: EVI 4211. Corequisites: EVI 4314 or EVI 5316. This course prepares participants in the Visual Disabilities course of studies in the assessment and use of assistive technology for students with visual impairments.

EVI 4330. Teaching Students with Visual Impairments and Other Disabilities (3). This course introduces the techniques and strategies necessary for meeting the needs of students with visual impairments who have additional disabling conditions. An emphasis is placed upon working with students with mental disabilities who also have a visual impairment.

EVI 4940. Student Teaching in Visual Disabilities (12). (S/U grade only.) Prerequisite: EVI 4230. In this course, student teachers teach students with visual disabilities for one semester within a local school or residential school setting, full-time and under the supervision of an experienced certified teacher of students with visual impairments.

MHS 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

MHS 4460r. Crisis Intervention Counseling: Theory and Practice (1–3). Training in basic helping skills for dealing with people in crisis situations, specifically telephone hotline training. May be repeated to a maximum of six semester hours.

Graduate Courses

- EBD 5223.** Advanced Study of Emotional Disturbance (3).
EBD 5320. Precision Teaching Methods for Emotional Disturbances (3).
EBD 5941. Practicum in Emotional Disturbance/Learning Disability (3).
EEX 5017. Typical and Atypical Early Development (3).
EEX 5087. Middle and Secondary Curriculum for Learners with Disabilities (3).
EEX 5089. Adaptations and Accommodations for Learners with Disabilities (3).
EEX 5225. Assessment of Students with Disabilities (3).
EEX 5234. Development and Assessment of Individuals with Severe Disabilities (3).
EEX 5235. Instructional Environments: Ethical, Legal, Safety, and Classroom Management Considerations (3).
EEX 5237. Methods for Teaching Students with Low Incidence Disabilities (3).
EEX 5239. Assessment and Methods in Early Childhood Special Education (3).
EEX 5246. Mathematics for Students with Disabilities (3).
EEX 5248. Positive Behavior Support (3).
EEX 5258. Advanced Reading Instruction for Students with Disabilities (3).
EEX 5259. Literacy for Learners with Disabilities (3).
EEX 5285r. Seminar in Transition (3).
EEX 5286. Preparing Individuals for Transition (3).
EEX 5298. Teaching Students with Autism (3).
EEX 5456. Program Development for Young Children with Disabilities (3).
EEX 5704. Early Childhood and Elementary Education Curriculum for Special Educators (3).
EEX 5708. Teaming with Families, Schools and the Community (3).
EEX 5740. Cognitive and Social Implications of Maltreatment of Students with Exceptional Needs (3).
EEX 5765. Introduction to Special Education Technology (3).
EEX 5774. Collaborative Transition and Career Planning for Students with Severe or Profound Disabilities (3).
EEX 5836r. Practicum with Students with Autism Spectrum Disorder (1–3).
EEX 5841r. Field Laboratory Internship (1–12). (S/U grade only.)
EEX 5863r. Supervised Teaching (1–4). (S/U grade only.)
EEX 5906r. Directed Individual Study (1–3).
EEX 5911r. Supervised Research (1–4). (S/U grade only.)
EEX 5920. Pre-Student Teaching Seminar (1). (S/U grade only.)
EEX 5931r. Special Topics in Special Education (1–3).
EEX 5940r. Practicum in Early Childhood Special Education (3).
EEX 5943r. Practicum in Transition (3).
EEX 6301r. Seminar: Research Problems in Special Education (1). (S/U grade only.)
EEX 6341. Critical Review of Special Education Research (3).
EEX 6931r. Seminar in Early Childhood/Special Education (3).
EEX 6935r. Doctoral Seminar in Special Topics (1-3). (S/U grade only.)

- ELD 5140. Advanced Study of Learning Disabilities (3).
 EMR 5235. Teaching the Student with Profound Disabilities (3).
 EMR 5803. Advanced Practicum in Mental Disabilities (3).
 EVI 5019. Foundations of Rehabilitation Teaching of the Blind (3).
 EVI 5131. Teaching Deaf-Blind/Multisensory Impaired Individuals (3).
 EVI 5221. Applied Methods of Orientation and Mobility (3).
 EVI 5222. Advanced Orientation and Mobility (3).
 EVI 5226. Developmentally Appropriate Orientation and Mobility (3).
 EVI 5227. Teaching Orientation and Mobility to Individuals with Unique Health Considerations (3).
 EVI 5255. Methods of Independent Living of the Blind (3).
 EVI 5315. Teaching Communication Skills to Visually Impaired Adults (3).
 EVI 5316. Low Vision (3).
 EVI 5318. Special Methods of Working with Preschoolers with Visual Impairments (3).
 EVI 5319. Communication and Emergent Literacy for Young Children with Visual Impairments (3).
 EVI 5325. Technology for Individuals with Visual Impairment (3).
 EVI 5332. Social and Vocational Implications of Recreation and Leisure for Visually Impaired (3).
 EVI 5346. Aging and Vision Loss (3).
 EVI 5355. Issues of Blindness in Society (3).
 EVI 5931r. Seminar in Visual Disabilities (3).
 EVI 5935. Studies in Research on Individuals with Visual Impairment (3).
 EVI 5942. Student Teaching in Visual Disabilities (12). (S/U grade only.)
 EVI 5943. Practicum in Orientation and Mobility (2).
 EVI 5944. Practicum with Students Who Are Deaf-Blind (1-3).
 EVI 5945r. Internship in Orientation and Mobility (3-12). (S/U grade only.)
 EVI 5946r. Internship in Rehabilitation Teaching of Adults with Visual Disabilities (3). (S/U grade only.)
 IDS 5347. Infant and Toddler Typical and Atypical Development (3).
 IDS 5348. Family-Centered Early Intervention (3).
 IDS 5349. Infant/Toddler and Family Assessment (3).

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

OTHER COURSES – SCHOOL OF TEACHER EDUCATION

Definition of Prefixes

EDF—Education: Foundations and Policy Studies

EDG—Education: General

EDM—Education: Middle School

Undergraduate Courses

EDF 2085. **Teaching Diverse Populations (3)**. In this course students acquire an understanding of the complexity and diversity in the American and Florida populations in general and the school and community populations in particular. Students participate in a field-based experience.

EDG 4321. **Foundations of Teaching (3)**. This course is for students seeking certification who do not have an undergraduate degree in a teaching field. This course provides the essential elements needed to succeed in a classroom setting. It does not have critical tasks needed for initial certification. It is part of the Professional Training Option open to all students.

EDM 3001. **Introduction to Middle School (3)**. This course is designed to give the student an introduction to the modern middle school. It includes the philosophy and practice of the ideal middle school.

Graduate Courses

- EDF 5892r. The Design of National Curricula in Developing Countries (3).
 EDG 5073. Foundations of Blended and Online Learning and Teaching K-12 (3).
 EDG 5074. Pedagogy of Blended and Online Learning and Teaching K-12 (3).
 EDG 5075. Technologies for Blended and Online Learning and Teaching K-12 (3).
 EDG 5076. Issues, Trends, and Practices in Blended and Online Learning and Teaching K-12 (3).
 EDG 5206. Teachers and Curriculum Development (3).
 EDG 6221. Curricular Theory (3).

School of THEATRE

COLLEGE OF VISUAL ARTS, THEATRE AND DANCE

Web Page: <http://theatre.fsu.edu/>

Chair: C. Cameron Jackson; **Professors:** Chappell, Dahl, Jordan, Muscha; **Associate Professors:** Coleman, Cooper, Gelabert, Hale, Hogan, Lickson, Osborne, Ossowski, Salata; **Assistant Professors:** Hayden, Lile, Malaev-Babel, McConnell, Sack, Witherspoon; **Instructor:** Patterson; **Faculty Administrator:** Leaming; **Associates in Theatre:** Delorey, Eginton, Jackson, Malaev-Babel, Patterson; **Burt Reynolds Eminent Scholar Chair in Theatre:** TBA; **Hoffman Eminent Scholar Chair in Theatre:** TBA; **Professors Emeriti:** Baker, Fallon

The School of Theatre is a fully accredited member of the National Association of Schools of Theatre, and its degree requirements are in accordance with the latest published regulations of that association. The School of Theatre offers degrees and coursework at both undergraduate and graduate levels. To major in theatre, a student must meet with an academic adviser in theatre. All programs require either an audition, interview, or application.

The Bachelor of Arts (BA) is a flexible, broad-based liberal arts degree, providing a basic knowledge of, and experience in, theatre arts. The Bachelor of Fine Arts (BFA) offers an intensive program of training in acting or music theatre. The Master of Arts/Master of Science (MA/MS) degrees offer a blend of academic courses and production training on an advanced level. The Master of Fine Arts (MFA) degree provides training to achieve professional-level competencies in directing, acting, costume design, technical production, or theatre management.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the courses needed to satisfy this requirement. Undergraduate majors in the BA program in theatre and the BFA programs in acting or music theatre satisfy this requirement by earning a grade of "C-" or higher in ART 1602C, CGS 2060, CGS 2100, EME 2040, ISC 3313, or MUS 2360.

State of Florida Common Program Prerequisites

The state of Florida has identified common program prerequisites for this University degree program. Specific prerequisites are required for admission into the upper-division program and **must** be completed by the student at either a community college or a state university prior to being admitted to this program. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

At the time this document was published, some common program prerequisites were undergoing revision. Please visit http://www.flvc.org/flvc/portal/Home_Page/Student%20Services/College_Transfer_Center/Common_Prerequisite_Manual/ for a current list of state-approved prerequisites.

The following lists the common program prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. THE X000 or any three credit hour course from THE X001-X035
2. THE X305 or THE X300
3. THE X925
4. TPA X290
5. TPA X200 or TPA X210
6. TPP X190 or TPP X110
7. THE XXXX or TPA XXXX or TPP XXXX
8. THE XXXX or TPA XXXX or TPP XXXX
9. THE XXXX or TPA XXXX or TPP XXXX

Requirements

Admission to Majors

Students should contact the School of Theatre Office of Academic and Student Services regarding admission requirements and procedures for the majors, or visit the School of Theatre Web site at <http://theatre.fsu.edu>.

Attendance Requirement for All School Events

All undergraduate students in the School of Theatre must register for THE 4990 every Fall and Spring in which they are enrolled as a theatre major. This

course is a zero credit, S/U course. Students **must** attend all school meetings, required plays, and other required events. Failure to comply with this requirement will jeopardize graduation eligibility.

Liberal Studies Program

All undergraduates in theatre are required to meet the liberal studies requirements as specified in the "Undergraduate Degree Requirements" chapter of this *General Bulletin*.

Technical Theatre Requirement

Theatre majors must complete the technical theatre requirement. Courses must be taken every semester beginning the first semester in residence until the requirement is complete. Students transferring with a major in theatre may receive transfer credit for no more than one technical practices course.

Retention Standards

A grade of "C–" or better is required in all major courses and prerequisites except THE 2020, which requires a "B–" or better. Students may only retake a major requirement once in which a grade below the minimum was received. (THE 2020 may be taken only once.) The class must be retaken the following semester, and a minimum grade of "C–" must be achieved for retention. BA students must maintain a minimum GPA of 3.0 in major requirements and a cumulative GPA of 3.0; BFA acting and music theatre students must maintain a minimum GPA of 3.0 in major requirements and a cumulative GPA of 2.5. If a student receives a "D" or "F" in a major requirement, or if the GPA falls below the minimum, the student will be placed on probation for the following semester. If the grade or GPA does not meet minimum standards by the end of the probationary semester, the student will be dismissed from the School of Theatre.

The School of Theatre retains the right to refuse admission or terminate enrollment at any time if a student fails to maintain the standards of the program.

Honors in Theatre

The School of Theatre offers a program in honors to encourage talented juniors and seniors to undertake independent and original research as part of the undergraduate experience. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Bachelor of Arts Requirements

The Bachelor of Arts (BA) is a flexible liberal arts degree intended to offer a comprehensive knowledge of theatre arts. The program requires a balance of theatre core classes and electives that allow students the opportunity to explore selected areas of the theatre. Theatre core requirements include courses in performance, technical theatre, design, and theatre history. All BA students must complete a run and usher experience. Electives can be fulfilled with additional theatre courses or any other University courses. Liberal studies requirements for the baccalaureate degree must be met. Twenty-four semester hours of coursework must be taken outside of the major, in addition to liberal studies. Hours taken to satisfy the Bachelor of Arts (BA) foreign language requirement and the multicultural requirement (if not part of either the major requirements or liberal studies) may be part of those twenty-four hours. For more information, see the *Bachelor of Arts Degree* section of the "Undergraduate Degree Requirements" chapter of this *General Bulletin*.

Major

A minimum of thirty-nine semester hours of coursework in theatre is required. Contact the Office of Academic and Student Services in the School of Theatre for a complete list of requirements.

Note: At least eighteen semester hours of these required courses must be completed in residence.

Bachelor of Fine Arts Requirements

The Bachelor of Fine Arts (BFA) is a preprofessional degree, with intensive, in-depth training. The goal is the development of both an understanding of theatre as a total art and the skills necessary for its expression. Students may concentrate in acting or music theatre. The BFA program is designed to provide the necessary foundation for specialization at the graduate or professional level. Admission to the program is highly selective. A student seeking to enter the program must offer, in addition to an acceptable GPA, an acting and/or music theatre audition, and a complete application packet. Continuation in the program is dependent not only upon academic performance but also upon development of talent and skill potential as evaluated by faculty assessment. A student's work and commitment are under continuous review, and any candidate who fails to maintain high standards will be dismissed from the program.

Although it is possible to complete all requirements within four years, it is possible that a successful course of study will take longer, since graduation depends as much on demonstrated proficiency as on credit hours. Complete details regarding auditions can be found at <http://theatre.fsu.edu>.

Common Curriculum

Beyond the liberal studies requirements, BFA students are required to complete approximately seventy-four to eighty-six semester hours in theatre and related courses. All BFA students are required to successfully complete core theatre courses and technical laboratories. Contact the Office of Academic and Student Services in the School of Theatre for complete degree requirements.

Concentration in Acting

Students with a concentration in acting must complete TPA 2248; TPP 2110, 2111, 2190L, 3510, 3511, 3710, 3711, 4113, 4512, 4712, 4922; THE 3214, 4260, 4303, and three semester hours from THE 4233, 4236, 4244, 4245, or 4433; and eight elective semester hours in performance.

Concentration in Music Theatre

Students with a concentration in music theatre must complete MUT 1001, 1111, 1241; MVV 3532, 4542; THE 3214, 4303, 4244, 4245; TPA2248; TPP 2110, 2111, 3510, 3511, 4113, 4257, 4512, 4712, 4923. A minimum of five semester hours of private voice, keyboard, and dance are also required until proficiency is demonstrated in these skills.

London Theatre Experience

In addition to its degree programs, the School of Theatre has created **The London Theatre Experience**, an extraordinary, full-semester curriculum in London for select theatre majors. The emphasis of the program is on classical theatre training and includes theatre-going, backstage tours, classes with leading theatre artists, special internships, and performance opportunities. Students earn a full semester of academic credit while participating in a program that makes a real difference in their lives as students, artists, and human beings. Graduate credit is available only by special request.

Facilities

There are several performance spaces available for the production of plays. All include rehearsal space. They are: the Richard G. Fallon Theatre in the Fine Arts Building; the Studio, or Augusta Conradi Theatre in the Williams Building; The Lab Theatre; and the Fine Arts Annex.

The **Richard G. Fallon Theatre** in the Fine Arts Building is a proscenium theatre with continental seating for 500 patrons. Stage equipment includes a turntable, a counterweight system, hydraulic orchestra pit, a computer lightboard, a four-channel sound system, light and sound shops, two large-group dressing rooms, and two private dressing rooms.

The **Studio**, or Augusta Conradi, Theatre is a proscenium house and seats 200 patrons. The stage equipment includes a rope system, a preset lightboard, a single channel sound system, a light and sound control booth, green room, two group dressing rooms, and a small scene shop. The auditorium is used as a lecture classroom and demonstration laboratory.

The **Lab** is a flexible theatre space used in proscenium, thrust, arena, and open configurations. There is a variable seating capacity depending on each production's staging requirements. There is a lighting grid, and portable sound and lighting equipment is utilized. Subscription productions are mounted in the Lab Theatre each year. In addition, the space is used for student development and productions. There is an accompanying rehearsal hall next door.

The **Fine Arts Annex** is a small proscenium space with flexible seating. The space is used as a classroom space, rehearsal space, and as a performance space.

Definition of Prefixes

THE—Theatre Studies and General Resources

TPA—Theatre Production and Administration

TPP—Theatre Performance and Performance Training

Undergraduate Courses

THE 2000. Introduction to Theatre (3). For non-majors. Historical development, basic elements for appreciation and evaluation of performances.

THE 2020. Introduction to Theatre for Majors (3). A survey course of the field of theatre, its various divisions, and the School of Theatre. Preparation for independent research and communication about the profession and the school.

THE 2100. Introduction to Theatre History (3). Survey of theatre history and drama from Greeks to present.

THE 3061. Introduction to Theatre in London (3). This introductory course is designed to acquaint students with the components of the theatrical experience as they relate specifically to current dramaturgy and stagecraft in London. It is to be offered only at The Florida State University London Study Center. It should be viewed as a companion class to THE 2000 Introduction to Theatre, for majors and non-majors, but may be taken independently. It makes use of the theatrical resources in the city of London, including attendance at leading theatres, backstage tours, and lectures by prominent theatre artists.

THE 3213. World Theatre History I (3). Prerequisite: THE 2020. Explores the staging practices and dramatic literature of classical Greece and Rome; medieval Europe and Japan; Renaissance England, Italy, and France; and 18th-century Western Europe.

THE 3214. World Theatre History II (3). Explores the staging practices and dramatic literature from the 19th century to the present. Specific units include romanticism, melodrama, the rise of realism, avant-garde theatre movements (both American and European), European innovations 1960s–1990s, and contemporary dramatic theory.

THE 3931r. Special Topics in Theatre (3). (S/U grade only.) Topics change per semester depending upon instructor. May be repeated to a maximum of six semester hours.

THE 4064. Disability and Representation (3). Prerequisite: THE 2020, THE 3213, or THE 3214. This course offers an advanced introduction that surveys the way in which the arts and popular culture (including literature, fine arts, performance, advertising, documentary film, and video) have both reflected and contributed to attitudes and public policy concerning people with disabilities. The course takes a disability-studies approach, which considers the social and cultural aspects of disability.

THE 4110. European Theatre History I (3). Prerequisite: THE 3214. An in-depth study of European theatre history from the Greeks through the Renaissance.

THE 4111. European Theatre History II (3). Prerequisite: THE 3214. An in-depth study of European theatre history after the Renaissance, with a major emphasis on the modern era (1870 to the present).

THE 4233. History of African-American Drama (3). A survey of the history of African-Americans in the American theatre from the African Gove Theatre to the present, and of playwrights from William Wells Brown to August Wilson.

THE 4236. A Cultural History of the American Theatre and Drama from Beginnings to Present (3). Prerequisite: THE 2100. Examination of American theatre and drama in its cultural and social context.

THE 4244. Musical Theatre History I (3). Prerequisite: THE 3214, MUL 2211, DAN 4115, or instructor permission. A survey of the popular musical theatre from the beginnings to the 1940s, including the development of comic opera, operetta, the revue tradition, and musical comedy.

THE 4245. Musical Theatre History II (3). Prerequisite: THE 3214, MUL 2211, DAN 4115, or instructor permission. A survey of musical theatre in America since the 1940s, including Rodgers and Hammerstein, Weill, Lerner and Loewe, Loesser, Bernstein, Sondheim, the Black musical, and the rock musical.

THE 4260. Historic Costume for the Stage (3). Prerequisite: THE 3214. Survey of history of Western clothing and relationship to stage.

THE 4285. History of Architecture and Decor (3). Examination of principal periods of architectural development and interior design from Ancient Egypt through the Art Deco movement of the 1930's.

THE 4303. Play Analysis (3). Line by line script examination, analyzing how playwrights of various periods achieved characterization, structure, and plotting. Prerequisite for TPP 4310 and THE 4481.

THE 4433. Gender, Race and Performance (3). Advanced introduction to contemporary theories/practices of performance of race/gender on stage and in everyday life using feminist theories of performance. Read plays by women of color, white women, one African-American man.

THE 4438. African Theatre Performance (3). Through an exploration of pre-colonial performance traditions, written plays, and contemporary popular culture, this course examines the cultural and political complexities of selected countries of sub-Saharan Africa.

THE 4481. Dramaturgy (3). Prerequisites: THE 3214, THE 4303, and/or instructor permission. This course is an introduction to production dramaturgy with emphasis on conducting research and preparing written reports. Topics include surveys of the critical literature, cultural background, and biography, production history, and text preparation.

THE 4905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve semester hours.

THE 4913r. Theatre Tutorial (1–3). (S/U grade only.) Selected topics in theatre. Upper division theatre majors only. May be repeated to a maximum of six semester hours.

THE 4917r. Honors Work (1–6). Open only to students in the honors program. Covers specialized honors coursework culminating in an honors thesis. May be repeated to a maximum of nine semester hours.

THE 4923r. Theatre Encounters Workshop (3). Prerequisite: Instructor permission. A workshop production of a major dramatic work together with extensive study of the social, literary, and cultural contexts. Includes dramaturgical research and written assignments. May be repeated to a maximum of six semester hours.

THE 4935r. Selected Subjects in Theatre Studies (3). In-depth examination of various topics not covered in the regular course offerings. For seniors and juniors who have completed at least fifty percent of their major requirements. May be repeated to a maximum of nine semester hours.

THE 4954. Culminations (3). (S/U grade only.) Capstone course in theatre. Emphasis is placed on reflecting upon skills and competencies developed in the course of study and translating those elements to future activities including work and graduate school.

THE 4990r. Theatre Forum (0). (S/U grade only.) Required each semester for undergraduate majors. Attendance required at all school meetings and designated activities scheduled at other times. May be repeated up to thirty times.

TPA 2000. Introduction to Theatrical Design (3). This course introduces the fundamental elements of design including spot, line, shape, and color while relating these elements to theatrical production design.

TPA 2201. Introduction to Technical Theatre (3). This class is an introduction to the technical elements required to produce a theatrical production. Elements from scene and costume construction, along with lighting, sound, and stage management will be discussed.

TPA 2248. Stage Makeup (2). Introduction to basic makeup for the stage. Emphasis is on modeling of the face with makeup.

TPA 2291–2292. Technical Theatre Laboratory [one hour each]. Prerequisite: Instructor permission. Practical experience in the non-acting areas of theatre production, to include running the box office, disseminating publicity materials, constructing scenery and properties, applying basic techniques for costume construction in practical situations, and serving on lighting, running, or maintenance crews.

TPA 2322. Technical Theatre Practices I - Costumes, Lighting and Backstage Run-Crews (3). This course offers an introduction to theatre costume and lighting practices. Students participate in at least one run-crew assignment.

TPA 2323. Technical Theatre Practices II - Scenery, Scene Painting and Front-of-House (3). This course offers an introduction to theatre scenery and scenery painting practices. Students participate in at least one front-of-house assignment.

TPA 3208. Drafting for the Stage (3). Prerequisite: TPA 2201. Introduction to tools and techniques, including preparation of plates showing construction details and perspective.

TPA 3230. Costuming I (3). Prerequisite: TPA 2322 or instructor permission. This introductory costume sewing class instructs students in the craft of sewing costumes for theatre, focusing on sewing practices used in costume shops throughout the U.S. Students gain hands-on experience and become familiar with a sewing vocabulary through assigned sewing projects. Students also learn to identify commonly used fabrics by both weave and fiber content.

TPA 3298, 3299. Technical Theatre Laboratory [one hour each]. Prerequisite: Instructor permission. Advanced practical experience in the non-acting areas of theatre production, to include running the box office, disseminating publicity materials, constructing scenery and properties, applying basic techniques for costume construction in practical situations, and serving on lighting, running, or maintenance crews.

TPA 3325r. Intermediate Technical Theatre Practice (3). Prerequisite: TPA 2323. This course refines the skills and techniques necessary for proficiency at the intermediate level of technical production, including the construction of scenery for the stage, rigging, standard technical theatre vocabulary, and safe work habits. Specific assignments depend upon the School of Theatre production season. May be repeated to a maximum of nine semester hours.

TPA 3353. Lighting and Sound Technology for the Theatre (3). Prerequisite: TPA 2201. This course provides an in-depth exploration of technology behind the realization of lighting and sound design, including understanding of the intermediate technologies associated with successful design.

TPA 4014. Model Making (3). This course acquaints students with current model building techniques and systems. Students gain experience in constructing most of the elements commonly associated with models such as doors, windows, textures, fences, trees, and props.

TPA 4020. Lighting Design I (3). Prerequisite: TPA 2201. This course acquaints students with the design process and the various tools by which a lighting designer researches and expresses his/her art. The course includes script analysis, producing light plots, and basic drafting.

TPA 4021. Lighting Design II (3). Prerequisites: TPA 3208 and TPA 4020. This course is an overview of the lighting design process for a variety of spaces from concept to finished product. Emphasis is on script analysis. Content includes instruction in the creation and use of paperwork as well as practical aspects of lighting in both the proscenium and non-proscenium venues.

TPA 4024. Lighting Design III (3). Prerequisite: TPA 4021. This course encompasses lighting design for a variety of production styles such as musicals, opera, dance, comedy, and tragedy.

TPA 4045. Costume Design for the Stage (3). Prerequisite: THE 4260 or instructor permission. Exploration of the elements and principles of design as they relate to stage costuming. Work includes design projects.

TPA 4060. Principles of Scenic Design (3). Prerequisite: TPA 3208. Beginning design techniques including ground plan, perspective, and model building.

TPA 4073. Rendering for the Stage (3). Rendering techniques for the set, costume, and lighting designer in various media. Professional equipment required.

TPA 4077. Scene Painting (3). Traditional scene painting techniques for theatre and film. Professional equipment required.

TPA 4078. Advanced Scene Painting (3). This advanced studio course that develops skills introduced in TPA 4077 with non-traditional scenic techniques and non-traditional materials.

TPA 4084. Life Drawing for Designers (3). This course explores the problems of figure drawing as they relate specifically to the theatrical designer using live, nude and draped models.

TPA 4238. Advanced Costume Construction (3). Prerequisite: TPA 3230 or instructor permission. This course is an advanced practice in constructing specialized costumes for stage use. Students gain practical, hands-on experience in theatrical sewing techniques in creating projects such as period corsets, historically based costumes constructed to reflect period details, and beginning tailoring techniques.

TPA 4239. Costume Patterning (3). Prerequisite: TPA 4238 or instructor permission. This course is an introduction to costume patternmaking including drafting, flat pattern, and draping methods. This is a project-oriented course where students gain practice in all three patterning methods on projects for men's and women's historically based costumes.

TPA 4240. Advanced Costume Draping and Fitting (3). Prerequisites: TPA 4239 and THE 4260 or instructor permission. This course is an advanced study in costume patterning for theatre, with an emphasis on draping and/or drafting historically based garments for women and men. Projects include period garment research and measuring, sizing, and fitting techniques to accommodate actual performers' measurements as well as stage movement requirements.

TPA 4246. Stage Wigs and Specialty Makeup (3). This course examines makeup, hair, and wig styles popular throughout history. Students acquire practical, hands-on experience in constructing and styling wigs for the stage and in designing various period hair and makeup styles.

TPA 4250. AutoCAD for the Stage (3). Students will learn to apply theatrical drafting standards to AutoCAD. This course will cover basic DOS commands and structure, drafting in 2D AutoCAD, and drafting in 3D AutoCAD (including basic modeling commands).

TPA 4283. Technical Production (3). Prerequisites: TPA 2201 and instructor permission. This course examines the production process from play selection through set design, set load in, run of show, load out, and post mortem analysis. The course focuses on the various and linear aspects of the production, including the management and planning of the budgeting, pre-construction, construction, and strike aspects of the production.

TPA 4302. Structural Design for the Stage I (3). Prerequisites: TPA 2201 and instructor permission. This course explores the physics and mathematics associated with successful stage structure design. Students study and apply concepts of static engineering, physical science, and material strength in the development of scenic elements.

TPA 4303. Structural Design for the Stage II (3). Prerequisites: TPA 4302 and instructor permission. This course continues the concepts and material covered in TPA 4302.

TPA 4354. Lighting Software for Theatre (3). Prerequisites: TPA 3208 and TPA 4020. This is an overview course in the primary light design and visualization software programs. No prior knowledge of computer-aided design is necessary. Significant individual work is required.

TPA 4400. Theatre Management (3). Designed to provide an introduction to the economic and managerial aspects of American theatre especially as they apply to nonprofit and professional theatre.

TPA 4601. Stage Management (2). Methods and techniques of managing simple dramatic shows to complex multi-scene productions. Must be taken before stage managing a Mainstage production. Consent of instructor required.

TPA 4602. Advanced Stage Management (3). Prerequisite: TPA 4601. Intended for the student who wishes to pursue a career in stage management. Advanced study of stage management and development of skills needed to practice in a LORT theatre.

TPA 4905r. Directed Individual Study (1-3). May be repeated to a maximum of twelve semester hours.

TPA 4922r. BFA Design/Technology Workshop (2). Prerequisite: BFA candidates only. Evaluation and supervision of all design/technology work. May be repeated to a maximum of eight semester hours.

TPA 4940r. Internship in Stage Design, Technical Theatre, and Management (1-12). (S/U grade only.) Prerequisites: Completion of all coursework in theatre and instructor permission. Resident internship in an approved professional theatre, shop, or enrichment center. May be repeated to a maximum of twelve semester hours.

TPP 2100. Performance I (2). This course presents an overview of acting as an art and craft.

TPP 2110r. Acting Technique I: Basic Process (3). Prerequisite: Instructor permission. Introduction of the basic acting process. Emphasis on living truthfully in imaginary circumstances through honest listening and response. May be repeated to a maximum of nine semester hours.

TPP 2111r. Acting Technique II: Contemporary American Realism (3). Prerequisites: TPP 2110r and/or instructor permission. Scene study and basic characterization. May be repeated to a maximum of nine semester hours.

TPP 2120. Creative Improvisation: Form and Idea in Acting (2). Introductory course in acting; examines fundamental interrelationships between the actor's physical, vocal, and psychological potential in creating a clear and simple dramatic statement.

TPP 2185. Orientation to Acting (3). General survey of the development of acting and actor training, Stanislavsky to Hagen, with exercises in the basics of the actor's process and audition technique.

TPP 2190L. Theatre Rehearsal and Performance (1-2). (S/U grade only.) Prerequisite: Instructor permission. Assignment of a specific role and/or responsibility. Opportunity for students to receive additional supervision and critique, as well as credit, for participation in rehearsal and performance.

TPP 2191L, 2192L, 4193L-4195L. Theatre Rehearsal and Performance [two hours each]. (S/U grade only.) Prerequisite: Instructor permission. Assignment of a specific role and/or responsibility. Opportunity for students to receive additional supervision and critique, as well as credit, for participation in rehearsal and performance.

TPP 2710r. Voice I (3). This course introduces student actors to the basic principles of voice training. Group and individual exercises are designed to stimulate and develop the imagination, physical and sensory awareness, creativity, and the ability to work as part of an ensemble. Focus is on alleviating individual tensions in the vocal musculature that restrict the natural voice. May be repeated up to nine hours.

TPP 3103. Performance II (3). Prerequisite: TPP 2100. Exploration and development of a range of fundamental tools of the acting process, with particular emphasis on vocal production and physical expression in the context of creating and rehearsing scenes and monologues drawn from significant modern and contemporary playwrights, ending with an introduction to the performance of classical Shakespearean texts.

TPP 3265. Acting for the Camera (3). Prerequisite: TPP 2110. This course offers a preliminary look at developing acting techniques for work in television, film, and video media. It explores how actors prepare, rehearse, and perform differently in front of the camera as compared to an onstage production.

TPP 3510r. Movement Techniques for Theatre I (3). Prerequisite: Instructor permission. Exercises for self-awareness, physical strength, flexibility, and versatility for the actor. May be repeated to a maximum of six semester hours.

TPP 3511r. Movement Techniques for Theatre II (3). Prerequisite: TPP 3510r and/or instructor permission. Styles of movement and dance, creative presentations, and daily warm-ups. May be repeated to a maximum of semester hours.

TPP 3711r. Voice II (3). Prerequisite: TPP 2710r. This course continues the study of the first-year basic skills in speaking for the student actor. All actors who are on a professional track for the Bachelor of Fine Arts degree must have thorough knowledge of their speaking voice for the stage, how to use it in their acting studios and stage performances, and how to be a more effective speaker in their everyday life. May be repeated up to nine hours.

TPP 4113r. Acting Techniques III: Acting Problems in Genre and Style (3). Prerequisites: TPP 2110r, TPP 2111r, TPP 3711, and/or instructor permission. Acting workshop oriented to particular problems the actor confronts in dealing with historic periods in dramatic literature or material of post-realistic and contemporary styles and thought. May be repeated to a maximum of nine semester hours.

TPP 4224. Audition Techniques (3). This course is designed as a workshop for advanced actors who are preparing to enter graduate study programs or seek professional work in theatre with some attention paid to work in film and television. This course will examine the audition process from the perspectives of both the aspiring performer and the prospective employer.

TPP 4257. Voice for Musical Theatre (3). Prerequisite: Junior standing. Focus on releasing the singer's acting voice, with particular emphasis on increasing breath capacity during movement, deepening and expanding resonance and range, and increasing articulation skills. Students learn to fully embody their voice and speech skills to avoid strain and loss that come from executing sound solely from the throat.

TPP 4293r. Devised Theatre Laboratory (3). Prerequisites: TPP 2100 and instructor permission. This advanced course in acting and performance creation teaches various approaches to devising an autonomous work of theatre. The students work in the mode of a theatre company creating a performance in response to a chosen text from the world literature canon. The created piece is presented and discussed publicly. Admission by audition only. May be repeated to a maximum of nine semester hours.

TPP 4310. Directing I (3). Corequisite: THE 4303. A basic techniques course with emphasis on script analysis, fundamentals of staging, and work with actors.

TPP 4512r. Advanced Movement for the Theatre (3). Prerequisites: TPP 3510r, TPP 3511r, and/or instructor permission. Advanced movement techniques and exploration of repertory and choreography. May be repeated to a maximum of six semester hours.

TPP 4531. Stage Combat (3). Prerequisites: TPP 2100 or TPP 2110 and instructor permission. This course explores the development of physical dialogue through armed (rapier and dagger, broadsword, quarterstaff, or knife) and unarmed stage combat applied to acting. Focus is placed on the processes of safety, technique, rehearsal, and performance. Students have the option to participate in the Society of American Fight Directors Skill Proficiency Test.

TPP 4600. Fundamentals of Playwriting (3). Introductory course to the craft of playwriting. Functions as a workshop and focuses on the mechanics of structure, form, and marketing.

TPP 4712r. Voice III (3). Prerequisites: TPP 2710r and TPP 3711r. This intermediate course in voice focuses on increasing vocal stamina, breath capacity, range, and freedom on the stage. The course introduces speaking Shakespeare and offers practice with the use of complex language in acting classical texts. May be repeated to a maximum of six semester hours.

TPP 4713r. Voice VI: Vocal Imaginations (3). Prerequisite: TPP 4712. This course is primarily designed to expand the vocal imagination of the student actor. The International Phonetic Alphabet is introduced in an organic manner as a primary tool in the adoption of different speech sounds from those that are natural to each student actor. This course includes a "Speech Sound Donor Project," in which the student actor must study and implement a dialect different from their own natural one, and then must teach it to the group at large. May be repeated to a maximum of six semester hours.

TPP 4730r. Dialects for Stage (3). Prerequisites: TPP 2110r, TPP 3710r, TPP 3711, and/or instructor permission. The techniques of acquiring a dialect for stage performance. Scene study and monologues performed in dialects. Content may vary from semester to semester. May be repeated to a maximum of six semester hours.

TPP 4905r. Directed Individual Study (1-3). May be repeated to a maximum of twelve semester hours.

TPP 4922r. Performance Workshop in Acting/Directing (2). Prerequisites: BFA candidates only and instructor permission. Course provides evaluating systemization, supervision, and critiques for performance work required for BFA program. May be repeated to a maximum of ten semester hours.

TPP 4923r. Musical Theatre Workshop (2). Prerequisites: BFA candidates only and instructor permission. This course provides evaluation, systemization, supervision, and critiques of all performance work undertaken to isolate acting, dance, and musical problems that occur in musical theatre and to see their solution in performance. May be repeated to a maximum of eight semester hours.

TPP 4940r. Internship in Theatre Performance (1-3). (S/U grade only.) Prerequisites: Completion of all coursework in theatre and instructor permission. Resident internship in an approved professional theatre, shop, or enrichment center. May be repeated to a maximum of six semester hours.

Graduate Courses

- THE 5065.** Disability and Representation (3).
THE 5084r. Theatre Problems (3).
THE 5120. Advanced Theatre History I: Classical and Medieval (3).
THE 5130. Advanced Theatre History II: Renaissance and 18th Century (3).
THE 5160. Advanced Theatre History III: 19th and 20th Centuries (3).
THE 5238. History of African-American Drama (3).
THE 5246. Musical Theatre History I (3).
THE 5247. Musical Theatre History II (3).
THE 5265r. Historic Costume II (3).
THE 5273r. Seminar: Selected Topics in History of Performance (Acting and Directing) (3).
THE 5287. History of Architecture and Décor (3).
THE 5317r. Seminar: Selected Topics in Dramatic Literature and Dramatic Theory (3).
THE 5437. Gender, Race, and Performance (3).
THE 5439. African Theatre and Performance (3).
THE 5486. Graduate Dramaturgy (3).
THE 5765. Performance I for Theatre Educators (3).
THE 5770. Theatre History and Literature I for Theatre Educators (3).
THE 5771. Theatre History and Literature II for Theatre Educators (3).
THE 5772. Theatre History and Literature III for Theatre Educators (3).
THE 5905r. Directed Individual Study (3). (S/U grade only.)
THE 5910. Theatre Bibliography and Research (3).
THE 5916r. Supervised Research (1-5). (S/U grade only.)
THE 5918r. Theatre Tutorial (1-3).
THE 5925r. Writing Workshop (1-3). (S/U grade only.)
THE 5940r. Internship in Theatre (2-12). (S/U grade only.)
THE 5943r. Supervised Teaching (1-5). (S/U grade only.)
THE 6531. Methods of Theatre Criticism (3).
TPA 5015. Stage Machinery Design and Construction (3).
TPA 5016. Model Making (3).
TPA 5025. Lighting Design I (3).
TPA 5026. Lighting Design II (3).
TPA 5027. Lighting Design III (3).
TPA 5028. Lighting Design IV (3).
TPA 5029. Lighting Design V (3).
TPA 5042r. Advanced Costume Design for the Stage (3).
TPA 5047. Advanced Costume Rendering (3).
TPA 5062. Scene Design: Theory and Practice (3).
TPA 5065. Principles of Scene Design (3).
TPA 5067r. Scenic Design III (3).
TPA 5069r. Scenic Design IV (3).
TPA 5079. Scene Painting (3).
TPA 5080r. MFA Practicum in Design for the Stage (2-15).
TPA 5086. Life Drawing for Designers (3).
TPA 5089. Advanced Technical Theatre: Problems in Scene Painting (3).
TPA 5098. Theatrical Design for Theatre Educators (3).
TPA 5203. Drafting (3).
TPA 5207. Technical Directions (3).
TPA 5213. Stage Rigging (3).
TPA 5235r. Selected Topics in Stage Costuming and Makeup Technology (3).
TPA 5236. Advanced Costume Crafts (3).
TPA 5237r. Selected Topics in Costume Design for the Stage (3).
TPA 5242. Advanced Stage Costume Millinery Techniques (3).
TPA 5243. Advanced Period Draping and Fitting Techniques (3).
TPA 5245. Fabric Modification for Stage Costumes (3).
TPA 5247. Advanced Stage Wigs and Specialty Makeup (3).
TPA 5280r. MFA Practicum in Technical Theatre (2-15).
TPA 5284. Technical Production (3).
TPA 5285. Technical Production and Management (3).
TPA 5286r. Selected Topics in Technical Theatre (3).
TPA 5287. Advanced Costume Patterning (3).
TPA 5306. Structural Design for the Stage II (3).
TPA 5310. Structural Design for the Stage I. (3).
TPA 5315. Physics of Stage Machinery (3).

- TPA 5335.** Costume Design for Dance (3).
TPA 5336. Costume Design for Film and Television (3).
TPA 5355. Lighting Software for Theatre (3).
TPA 5356. Computer Rendering for Costume Designers (3).
TPA 5385. Technical Production for Theatre Educators (3).
TPA 5386. Advanced Technical Production for Theatre Educators (3).
TPA 5405. Principles of Theatre Management (3).
TPA 5408. Business and Legal Issues in the Arts (3).
TPA 5409. Audience Development and Arts Marketing (3).
TPA 5425. Fiscal Management and Economics in the Arts (3).
TPA 5470r. MFA Practicum in Management (2-15).
TPA 5471. Leadership and Organizational Management in Arts (3).
TPA 5905r. Directed Individual Study (3). (S/U grade only.)
TPA 5930r. Select Topics in Management (3).
TPA 5931r. Selected Topics in Stage Design (3).
TPA 5940r. MFA Internship in Technical Theatre, Stage Design, and Management (2-15).
TPA 5941r. MFA Practicum in Costume Technology (1-6).
TPP 5145r. Acting Techniques I (3).
TPP 5146r. Classical Performance Styles (3-6).
TPP 5158. Performance II for Theatre Educators (3).
TPP 5284r. MFA Practicum in Acting (1-15).
TPP 5355. Performance III for Theatre Educators (3).
TPP 5380r. MFA Practicum in Directing (2-15).
TPP 5381. Problems in Directing (3).
TPP 5383. Problems in Directing (3).
TPP 5515r. Movement I (3).
TPP 5516r. Movement II (3).
TPP 5651. Advanced Play Analysis (3).
TPP 5656r. Advanced Play Analysis for Actors (3).
TPP 5715r. Voice I (3).
TPP 5716r. Voice II (3).
TPP 5906r. Directed Individual Study (3). (S/U grade only.)
TPP 5940r. MFA Internship in Theatre Performance (2-15). (S/U grade only.)

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

**TRANSPORTATION AND TRAFFIC ENGINEERING:
 see Civil and Environmental Engineering**

**TRANSPORTATION PLANNING:
 see Urban and Regional Planning**

Department of URBAN AND REGIONAL PLANNING

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY

Web Page: <http://www.coss.fsu.edu/durp/>

Chair: Tim Chapin; **Professors:** Deyle, Doan, Miles; **Associate Professors:** Brown, Chapin; **Assistant Professors:** Aurand, Butler, Coutts, Duncan, Lewis; **Assistant in Planning:** Stevens; **Professors Emeriti:** Cowart, Frank, RuBino

Urban and regional planning is an interdisciplinary field that is concerned with the management of population growth and decline in urban, suburban, and rural areas. It is concerned with the uses of land to accommodate population; the provision of employment, services, and facilities needed by this population (for example, housing, hospitals, roads and other transportation facilities, schools, parks and recreation, and health services); and the impacts of this population on the environment (air, water, and land), society, and governance.

Planners study these issues and develop policies and plans to accommodate population growth and the problems that arise from this growth. Planners are concerned with the development of coordinated policy responses to these issues; they practice a broad view that focuses on the interrelationships between problems and the necessary interrelatedness of solutions. Above all, planners are concerned with improvements to the quality of life of our communities. They attempt to address these issues in ways that recognize the diverse interests of both genders and those of varying social and economic groups.

Planning is practiced at all levels of government, including local, regional, state, multistate, and national levels. Planners are also found in the private sector; in the employment of development firms, law firms, banks, and specialized resource firms (mining, forestry, etc.); in public interest organizations; and in international settings.

The Department of Urban and Regional Planning offers two non-major programs for undergraduates interested in planning and urban affairs. These programs are designed to complement an existing major for those students who wish to develop an appreciation of planning or who wish to lay the foundation for graduate study in planning. These programs are the undergraduate planning studies minor and pre-graduate programs. Within each of these programs, students may satisfy their minor requirements.

Because of the variety of issues and contexts within which planners work, there is no one undergraduate background that is more important than others. Students may combine their interests in planning and urban affairs with undergraduate majors in the variety of social sciences, physical or natural sciences, business, engineering, design professions, communications, criminology and criminal justice, and others.

Planning Studies Minor Program

This program is designed for students who wish to apply their major field to problems and issues in planning and urban affairs. The program consists of a series of courses that provide an overview of planning and that introduce the student to issues, organizations, policies, and implementation strategies. Students may earn a minor in urban and regional planning by completing a four-course sequence that is composed of three required courses and one elective course. URP 3000 is a prerequisite for all of the required and elective courses. Electives are chosen from among a set of introductory courses representing the major policy areas taught by the department. These include growth management and comprehensive planning, planning for developing areas, environmental planning and resource management, housing and community development, and transportation planning.

Students interested in the planning studies minor program are advised to see the department's Director of Undergraduate Programs for advice on the availability of courses.

Required Courses

URS 1006	World Cities
URP 3000	Introduction to Planning and Urban Development
URP 4022	Collective Decision Making

Elective Courses (Choose One)

URP 4314	Introduction to Growth Management and Comprehensive Planning
URP 4318	Growth Management and Environmental Planning
URP 4402	Sustainable Development Planning in the Americas
URP 4404	River Basin Management and Planning
URP 4423	Introduction to Environmental Planning and Resource Management
URP 4618	Introduction to Planning for Developing Regions

URP 4710	Introduction to Transportation Issues and Transportation Planning
URP 4741	Introduction to Issues in Housing and Community Development
URP 4936r	Special Topics in Urban and Regional Planning

Pre-Graduate Program

This undergraduate program is designed for students who anticipate continuing to graduate school to earn the professional Master's degree in planning. Students in this program are given the opportunity to begin graduate-level coursework in their senior year and thereby may satisfy some of the requirements of a graduate degree while still completing their undergraduate credit hour requirements. This program is closely coordinated with the department's graduate program, offering students the possibility of preferred admission with advanced standing at the graduate level. Students make application for advanced standing after admission to the master's program.

The pre-graduate program allows acceleration toward the Master of Science (MS) in planning degree upon satisfactory completion of one required undergraduate course and one to four of the eligible URP graduate courses. URP 3000 is a prerequisite/corequisite for all courses.

Admission to the pre-graduate program is available only to those undergraduates who are beginning or are in their senior year and who have maintained a cumulative FSU grade point average (GPA) of at least 3.2 or who have earned a satisfactory score on the combined verbal and quantitative portions of the GRE and who have taken or are registered for URP 3000. Students completing this program with an upper-division GPA of at least 3.0 may be offered admission to the master's program in planning with advanced standing for up to twelve semester hours of coursework in which the grade of "B" or higher was earned.

Required Course

URP 3000	Introduction to Planning and Urban Development (3)
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Elective Courses (Choose One to Four)

Students interested in the pre-graduate program are advised to see the department's Director of Undergraduate Programs for advising on appropriate courses to take.

A guide to undergraduate studies in urban and regional planning is available from the department and should be consulted by all students enrolling in the minor in planning studies or pre-graduate programs.

A minor can be earned concurrent with work on the pre-graduate program. The minor is composed of a four-course sequence: URS 1006, URP 3000, URP 4022, and at least one additional graduate course.

Multicultural Studies

A variety of urban and regional planning undergraduate courses explore perspectives of different cultural groups on questions related to urban life and the development of human settlements. Approved for credit under the University's baccalaureate multicultural requirement for cross-cultural (X) courses are: URS 1006 World Cities; and URP 4618 Planning for Developing Regions.

Definition of Prefixes

URP	—Urban and Regional Planning
URS	—Urban and Regional Studies

Undergraduate Courses

Liberal Studies Area III

URS 1006. World Cities: Quality of Life (3). Major world cities are examined in terms of their natural, social, and built environments in order to assess those factors that promote quality-of-life and sustainability. Prospects for future growth and change are considered in light of demographic, cultural, economic and political trends.

Upper Division Courses

URP 3000. Introduction to Planning and Urban Development (3). Introduces planning concepts and the role of planning in formulating policy, meeting critical problems, and shaping the future urban environment.

URP 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

URP 4022. Collective Decision Making (3). Prerequisite: URP 3000 or instructor permission. This course provides an introduction to planning as a collective decision-making tool, and introduces the concepts of efficiency, equity, and environmental quality as competing bases for public decisions. The course examines tools for contributing to public decisions in varying circumstances, including unitary and diverse decision makers, certain and uncertain environments, and simple and complex goals.

URP 4314. Introduction to Growth Management and Comprehensive Planning (3). Prerequisite: URP 3000 or instructor permission. An introduction to the problems and needs for growth management and comprehensive planning for U.S. cities, highlighting various planning approaches and strategies available for meeting development, growth, and land-use problems.

URP 4318. Growth Management and Environmental Planning (3). Prerequisite: URP 3000. This course provides a general introduction to growth management and environmental planning through an overview of general planning history, basic legal theory, principles of growth mgmt/land use planning, and introductory environmental management approaches. The first portion of the course covers basic growth management principles, both to identify issues and to study current trends in planning. The second portion of this course covers current practices and approaches to environmental planning that are important to defining environmental planning problems and evaluating alternative courses of action.

URP 4402. Sustainable Development Planning in the Americas (3). Prerequisite: URP 3000 or instructor permission. Examines various dimensions of the "sustainable development" paradigm and its local-global policy implications, issues, and controversies with a focus upon North America and Latin America. Organized in three modules: 1) environmental philosophies that have influenced the movement; 2) North American approaches to planning for sustainable development; and 3) critical issues of sustainable development in Latin America.

URP 4404. River Basin Management and Planning (3). This course introduces river basin management and planning and takes a systemic approach from biological, hydrological, and geopolitical viewpoints. Special emphasis is placed on the planning and management of transboundary (interstate and international) basins. The focus is on world river basin systems as well as on the local Apalachicola-Chattahoochee-Flint basin. Students are introduced to technical concepts and tools, including negotiation and math simulation tools.

URP 4423. Introduction to Environmental Planning and Resource Management (3). Prerequisite: URP 3000 or instructor permission. A general introduction to the problems of resource management and environmental planning, with an overview of problems and potential solutions and their relation to other public policy areas such as land-use control and regional development.

URP 4618. Planning for Developing Regions (3). Prerequisite: URP 3000 or instructor permission. This course will introduce the student to the field of development planning and give the student exposure to the interplay between theory and practice. Topics include concepts of development, measurement and indicators of patterns of development, rural development, urban development, preparation of development plans, and implementation of development plans.

URP 4710. Introduction to Transportation Issues and Transportation Planning (3). Prerequisite: URP 3000 or instructor permission. An introduction to contemporary U.S. transportation problems, sources of funding, and legislation. Presents the theory and methods employed by planners in the process of resolving transportation problems.

URP 4741. Introduction to Issues in Housing and Community Development (3). Prerequisite: URP 3000 or instructor permission. Focuses on the operation of the housing market, the nature of the housing and community development problem, and the gradual development of a national housing and community development policy since the 1930s. Relationships between public and private sectors are examined.

URP 4936r. Special Topics in Urban and Regional Planning (3). A selected topics seminar for the discussion of unique and timely planning related issues. Content varies. May be repeated to a maximum of six semester hours.

Graduate Courses

Planning Theory and Practice

- URP 5101. Planning Theory and Practice (3).
- URP 5122. Planning Dispute Resolution (3).
- URP 5123. Collaborative Governance: Consensus Building for Planners (3).
- URP 5125. Plan Implementation (3).
- URP 5342. Advanced Planning Problems (3).
- URP 5944. Dispute Resolution Practicum (3).
- URP 6102. Seminar in Planning Theory (3).

Planning Methods

- URP 5201. Planning Research Methods (3).
- URP 5211. Planning Statistics (3).
- URP 5222. Planning Alternatives Evaluation (3).
- URP 5261. Forecasting for Plan Development (3).
- URP 5272. Urban and Regional Information Systems (3).
- URP 5279. Urban and Regional Information Systems Practicum (3).
- URP 5885. Graphics Communication for Urban Planning and Design (3).
- URP 6202. Design of Policy-Oriented Research (3).

Urban Growth Process

- URP 5847. Growth and Development of Cities (3).
- URP 6844. Seminar in Regional Theory (3).
- URP 6846. Seminar in Urban Theory (3).

Planning for Developing Areas

- URP 5544. Gender and Development (3).

- URP 5610. Introduction to Planning for Developing Regions (3).
- URP 5611. Strategies for Urban and Regional Development in Less-Developed Countries (3).
- URP 5614. Population and Development Planning (3).
- URP 5615. Infrastructure and Housing in Less Developed Countries (3).
- URP 5616. Project Planning in Developing Countries (3).

Planning for Health and Aging

- URP 5521. Public Health Epidemiology (3).
- URP 5522. Regulatory Aspects of Health Care (3).
- URP 5525. Health Behavior and Education (3).
- URP 5526. Healthy Cities, Healthy Communities (3).

Environmental Planning and Natural Resource Management

- URP 5405. River Basin Planning and Management (3).
- URP 5421. Introduction to Environmental Planning and Natural Resource Management (3).
- URP 5422. Coastal Planning (3).
- URP 5424. Sustainable Development Planning in the Americas (3).
- URP 5425. Methods of Environmental Analysis (3).
- URP 5427. Environmental Legislation and Policy (3).
- URP 5429r. Special Topics in Environmental Planning and Resource Management (3).

Growth Management and Comprehensive Planning

- URP 5312. Perspective and Issues of Comprehensive Planning and Growth Management (3).
- URP 5316. Land-Use Planning (3).
- URP 5319r. Special Topics in Comprehensive Planning and Growth Management (3).
- URP 5350. Pedestrian-Oriented Communities (3).
- URP 5731. The Planning of Community Infrastructure (3).
- URP 5873. Site Design and Land-Use Analysis (3).
- URP 5881. Urban Design (3).

Transportation Planning

- URP 5711. The Transportation Planning Process (3).
- URP 5716. Transportation and Land Use (3).
- URP 5717. Methods of Transportation Planning (3).

Housing and Community Development

- URP 5540. State and Local Economic Development Planning (3).
- URP 5615. Infrastructure and Housing in Less Developed Countries (3).
- URP 5742. Problems and Issues in Housing and Community Development (3).
- URP 5743. Neighborhood Planning (3).
- URP 5749r. Special Topics in Housing and Community Development (3).

Other Courses for Graduate Students

- URP 5905r. Directed Individual Study (1–3). (S/U grade only.)
- URP 5910r. Directed Individual Research (1–3). (S/U grade only.)
- URP 5930r. Professional Topics in Urban and Regional Planning (0). (S/U grade only.)
- URP 5939r. Special Topics in Urban and Regional Planning (0–3).
- URP 5971r. Thesis (1-6). (S/U grade only.)
- URP 6938. Doctoral Research Colloquium (0). (S/U grade only.)
- URP 6981r. Supervised Teaching (1–3). (S/U grade only.)

For listings relating to graduate coursework for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

**VISUAL DISABILITIES:
see Childhood Education, Reading, and Disability Services**

Program in WOMEN'S STUDIES

COLLEGE OF ARTS AND SCIENCES

Web Page: <http://www.fsu.edu/~womenst/>

Director: Joyce Carbonell (Psychology/Women's Studies); **Participating Faculty:** Falk, Pohl, Thomas (Anthropology); Lindbloom (Art); Bearor, Neuman (Art History); Gilmer (Chemistry); N. DeGrummond, Fulkerson, Pullen, Sickinger, Slaveva-Griffin, (Classics); Jordan, Laurents, McDowell, Nudd (Communication); Young (Dance); Lake, Losh, MacDonald, Molyneaux, Schwartz, Wood (Education); Daileader, Edwards, Gardner, Goodman, Kidwell, Laughlin, McGregory, Montgomery, Moore, Parker, Rowe, Saladin-Adams, Walker (English); Darling, Rehm (Family and Child Sciences); Wylder (Fine Arts); Herrera, Jones, Jumonville, Upchurch Jr., Sinke (History); Ralston (Human Sciences); Johnson, Cashin (Humanities); Case (Mathematics); Boutin, Cappuccio, Cloonan, Hargreaves, Leushuis, Maier-Katkin, Poey, Sharpe, Walters, Wang (Modern Languages and Linguistics); Cottrell (Nursing); Abood, Magnuson (Nutritional Sciences); Marcus (Oceanography); Dancy, Mahaffey, Morales (Philosophy); Carbonell, Eckel, Hull, Keel, Kistner (Psychology); Cuevas, Dupuigrenet, Erndl, Kalbian, Kavka, Kelsay, Koehlinger, Reid (Religion); Ashmore, Dwyer, Edwards, Gomory, Graham, Verano, Vinton, Wilke (Social Work); Barrett, Brewster, Eberstein, Lessan, McCabe, Padavic, Rohlinger, Schrock, Taylor, Tillman, Weinberg (Sociology); Reynaud (Sport Management); Rodriguez Concepcion, Osborne, Sandahl, Witherspoon (Theatre); Doan, Miles (Urban and Regional Planning); **Adjunct Faculty:** Rachel Sutz-Pienta

Women's Studies courses are taught by faculty in more than twenty departments throughout the University.

Women's Studies is an interdisciplinary and interdepartmental program that examines the status, accomplishments, and perspectives of women in history, culture, and contemporary society. The Women's Studies Program further seeks to delineate the richness and diversity of women's experiences and viewpoints by exploring the dynamics of gender, race, culture, and class.

By placing women at the center of inquiry, Women's Studies courses offer new perspectives on human history and the human condition. Using gender as a category of analysis, these classes examine the systematic arrangements in society that have shaped the lives of women and men and re-evaluate traditional gender-based stereotypes. The courses foster critical analysis of assumed truths about society by examining paradigms based upon the feminist scholarship of the last three decades. By encouraging inquiry into the full range of the human experience, the Women's Studies Program enriches the University curriculum and prepares students for life in a rapidly changing, complex world.

Students pursuing research in Women's Studies at Florida State University will find a rich array of materials on women and gender in the government document holdings, special collections, and numerous microform manuscript collections available at Strozier Library and in the extensive collections of the College of Law Library and Mildred and Claude Pepper Library. The nearby State Archives are an additional source of research material.

Women's Studies graduates have described Women's Studies as a versatile major that prepared them for life, not just a career. In particular, graduates have cited its interdisciplinary focus, its attention to developing critical thinking skills, and its ability to empower students with a new sense of their potential and the courage to design their own careers and life plan. Women's Studies graduates can be found in nearly all occupations.

The Women's Studies Program offers an undergraduate major within the interdisciplinary bachelor's degree from the Department of Humanities and an interdisciplinary minor at the undergraduate and graduate (MA, and PhD) levels. For more information and updates see the Women's Studies Program Web site at <http://www.fsu.edu/~womenst/>.

Admission Requirements

Please review all college-wide degree requirements in the "College of Arts and Sciences" chapter of this *General Bulletin*.

Any student with a 2.0 grade average who meets the admission requirements of the College of Arts and Sciences is eligible to declare a major in Women's Studies. Students who wish to declare a major in Women's Studies must apply for admission with the Women's Studies office and complete an advising form.

Computer Skills Competency

All undergraduates at Florida State University must demonstrate basic computer skills competency prior to graduation. As necessary computer competency skills vary from discipline to discipline, each major determines the

courses needed to satisfy this requirement. Undergraduate majors in Women's Studies satisfy this requirement by earning a grade of "C-" or higher in CGS 2060, CGS 2064, or CGS 2100.

Requirements for a Major in Women's Studies

Students are required to take thirty-three semester hours of Women's Studies courses and approved cross-listed courses distributed as described below. Only one of these courses that is used to satisfy the requirement for liberal studies may also be counted toward the fulfillment of the major. Honors thesis hours may be applied toward the Bachelor of Arts (BA) degree, but only three semester hours will be accepted for major credit. All courses counted toward the major must carry the grade of "C-" or better. Majors must maintain a 2.0 grade point average for graduation. Women's Studies majors are required to complete a minor and are strongly encouraged to complete a minor in a single discipline. No course used to satisfy requirements for a minor may be counted for the major.

Double Majors

Students pursuing a double major must meet the program requirements of both majors, with the following exceptions: (1) no more than six semester hours may be counted toward both majors; and (2) no minors are required for the double major.

Distribution

WST Requirement

Twelve semester hours in WST interdisciplinary courses:

- WST 3015 Introduction to Women's Studies (3)
- WST 3251 Women in Western Culture: Images and Realities (3)
- WST 4931 Seminar in Women's Studies (3) or WST 4930r Topics in Women's Studies (3)
- Either WST 4940r Women's Studies Internship (3-6) or WST 4930r Topics in Women's Studies (3) as approved by the program director.

Check with the Women's Studies office each term for a list of possible courses that can be used to fulfill these credits.

Note: WST 4930r may be repeated to a maximum of nine semester hours and WST 4931 is a non-repeatable course.

Cross-Listed Core Courses

At least twelve semester hours of cross-listed courses listed below are required. Specifically required are three semester hours from each of the four groups below:

Group A

- | | |
|-----------------|--|
| AMH 4561 | Women in 19th-Century America (3) |
| AMH 4562 | Women in Modern America (3) |
| CLA 3501 | Gender and Society in Ancient Greece (3) |
| CLA 3502 | Women, Children and Slaves in Ancient Rome: The Roman Family (3) |
| REL 3145 | Gender and Religion (3) |
| REL 3337 | Goddesses, Women and Power in Hinduism (3) |

Group B

- | | |
|-----------------|---|
| ANT 4302 | Sex Roles in Cross-Cultural Perspective (3) |
| LIT 4554 | Feminist Theory |
| PHM 3123 | Philosophy of Feminism (3) |
| PUP 3323 | Women and Politics (3) |
| SOP 3742 | Psychology of Women (3) |
| SYD 3800 | Sociology of Sex and Gender (3) |
| SYO 4374 | Gender and Work (3) |

Group C

- | | |
|-----------------|---|
| FOW 3240 | Literature and Sexuality (3) |
| FRT 3561 | French Women Writers (3) |
| LIT 3383 | Women in Literature (3) |
| LIT 4385 | Major Women Writers (3) |
| SPW 4481 | Contemporary Spanish Women Writers (3) (In Spanish) |
| SPW 4491 | Spanish American Women Writers (3) (In Spanish) |
| THE 4433 | Gender, Race, and Performance (3) |

Group D

- | | |
|-----------------|--|
| CCJ 4663 | Women, Crime, and Justice (3) |
| NSP 3425 | Women's Health Issues: Concerns Through the Life Cycle (3) |
| SOW 4108 | Women's Issues and Social Work (3) |

- SOW 4615** Family Violence Across the Life Span (3)
SOW 4627 Mental Health of Diverse Populations (3)
SPC 4711 Gender and Communication (3)

Electives

Nine semester hours may be selected from among the following options: (a) WST 4904r Directed Individual Study in Women's Studies, WST 4930r Topics in Women's Studies, WST 4940r Women's Studies Internship; (b) the cross-listed courses in Groups A-D; (c) approved related courses, special topics courses, seminars, and workshops. Three semester hours of the major elective requirement may be satisfied with a 2000-level course, including, but not necessarily limited to, AMH 2096 Black Women in America, and PHM 2121 Philosophy of Race, Class, and Gender; however, the course must be taken at Florida State University, and only one of the listed classes may be counted toward credit in the program in Women's Studies. Majors should consult the Women's Studies offerings in the Florida State University Course Lookup System, at <http://apps.oti.fsu.edu/servlet/RegistrarCourseLookupSearchForm>, and check with the Women's Studies office each term for a list of approved courses that can be used to fulfill elective credits.

Exit Surveys/Interviews

To be eligible for graduation, students majoring and minoring in Women's Studies must complete an exit interview or survey.

Honors in the Major

The Women's Studies Program offers a program in honors in the major to encourage talented students to undertake independent and original research. Students admitted to honors in the major may apply up to six semester hours of honors thesis hours (WST 4970r Honors Thesis—Women's Studies) toward the Bachelor of Arts (BA) degree, but only three semester hours of WST 4970r will be accepted for major credit. For requirements and other information, see the "University Honors Office and Honor Societies" chapter of this *General Bulletin*.

Requirements for a Minor in Women's Studies

At least fifteen semester hours of approved courses, distributed as follows:

1. At least three semester hours of interdisciplinary Women's Studies courses selected from WST 3015 Introduction to Women's Studies, WST 3251 Women in Western Culture: Images and Realities, WST 4930r Topics in Women's Studies, WST 4931 Seminar in Women's Studies
2. At least nine semester hours of cross-listed core courses
3. The remaining three semester hours may be selected from approved WST courses, cross-listed core courses, approved special topics courses, or related courses. No 2000-level courses may be used to fulfill credit for the minor.

Minors should consult the Women's Studies offerings in the Florida State University Course Lookup System at <http://apps.oti.fsu.edu/servlet/RegistrarCourseLookupSearchForm>, and check with the Women's Studies staff each term for a list of approved courses that can be used to fulfill these three credits.

Only one approved course from the student's major may count toward the Women's Studies minor, and only if the course has not been used for credit toward the major. Courses counted for the minor may not be used to fulfill requirements for liberal studies or the major. Students who intend to minor in Women's Studies should declare their intent with the program director at least two semesters before graduation. Students must have at least a "C—" average in the minor.

Approved Courses

Undergraduate Courses

Interdisciplinary Women's Studies Courses

- WST 3015** Introduction to Women's Studies (3)
WST 3251 Women in Western Culture: Images and Realities (3)
WST 4904r Directed Individual Study (1–3)
WST 4930r Topics in Women's Studies (3)
WST 4931 Seminar in Women's Studies (3)
WST 4940r Women's Studies Internship (3–6)
WST 4970r Honors Thesis—Women's Studies (1–6)

Cross-Listed Core Courses

- AMH 4561** Women in 19th-Century America (3)

- AMH 4562** Women in Modern America (3)
ANT 4302 Sex Roles in Cross-Cultural Perspective (3)
CCJ 4663 Women, Crime, and Justice (3)
CLA 3501 Gender and Society in Ancient Greece (3)
CLA 3502 Women, Children and Slaves in Ancient Rome: The Roman Family (3)
FOW 3240 Literature and Sexuality (3)
FRT 3561 French Women Writers (3)
LIT 3383 Women in Literature (3)
LIT 4385 Major Women Writers (3)
LIT 4554 Feminist Theory (3)
NSP 3425 Women's Health Issues: Concerns Through the Life Cycle (3)
PHM 3123 Philosophy of Feminism (3)
PUP 3323 Women and Politics (3)
REL 3145 Gender and Religion (3)
REL 3337 Goddesses, Women and Power in Hinduism (3)
SOP 3742 Psychology of Women (3)
SOW 4108 Women's Issues and Social Work (3)
SOW 4615 Family Violence Across the Life Span (3)
SOW 4627 Mental Health of Diverse Populations (3)
SPC 4630 Rhetoric of Women's Issues (3)
SPC 4711 Gender and Communication (3)
SPW 4481 Contemporary Spanish Women Writers (3) (In Spanish)
SPW 4491 Spanish American Women Writers (3)
SYD 3800 Sociology of Sex and Gender (3)
SYO 4374 Gender and Work (3)
THE 4433 Gender, Race, and Performance (3)

Note: See the appropriate individual departments for full course descriptions.

Graduate Courses

- AMH 5567** Women in 19th-Century America (4)
CCJ 5672 Gender, Crime, and Justice (3)
EDF 5706 Gender and Education in Comparative Perspective (3)
EUH 5548 Sex and Class in England, 1750-1914 (4)
LIT 5388r Studies in Women's Writing (3)
LIT 5517r Studies in Gender in Literature (3)
SOW 5109 Women's Issues and Social Work (3)
SOW 5153 Human Sexuality (3)
SOW 5614 Family Violence Across the Life Span (3)
SOW 5628 Mental Health of Diverse Populations (3)
SPW 5486 Contemporary Spanish Women Writers (3) (In Spanish)
SPW 5496 Spanish-American Women Writers (3) (In Spanish)
SYD 5225 Fertility (3)
SYD 5817 Contemporary Theories of Gender (3)
SYO 5177 Family Demography (3)
SYO 5376 Sociology of Gender and Work (3)
SYO 5426 Gender and Mental Health (3)
SYO 5547 Race and Gender in Organizations (3)
SYP 6356 Sociology of the Contemporary Women's Movement (3)
THE 5437 Gender, Race, and Performance (3)
URP 5544 Gender and Development (3)
WST 5905r Directed Independent Study (1–3)
WST 5934r Topics in Women's Studies (3)
WST 5936r Interdisciplinary Topics in Feminist Theory (3)

Note: See the appropriate individual department chapters in the *Graduate Bulletin* for full course descriptions.

Definition of Prefix

WST—Women's Studies

Undergraduate Courses

WST 3015. Introductions to Women's Studies (3). This course introduces students to the field of Women's Studies. Topics include the construction of gender and gender roles in varying social and cultural contexts. Women's roles are examined from a variety of perspectives, which may include social class, religion, culture, and sexuality. The course includes an overview of theories of feminism.

WST 3251. Women in Western Culture: Images and Realities (3). This course is an interdisciplinary examination of women's roles in the development of Western culture, focusing on women's contributions to literature, theatre, art, religion, political thought, and science. Concurrently, this course examines what it meant to be female in each era of Western civilization.

Western civilization.

WST 4904r. Directed Individual Study (1–3). Prerequisite: Permission from the program director. For advanced undergraduates who desire to supplement the regular course offerings by independent reading or research under guidance. May be repeated to a maximum of three semester hours.

WST 4930r. Topics in Women's Studies (3). This course explores specific topics or themes in gender/Women's Studies based on a feminist approach. A variety of topics from different fields of study will be offered from an interdisciplinary perspective. Topics of material not covered in the regular curriculum will be offered. May be repeated to a maximum of nine semester hours.

WST 4931. Seminar in Women's Studies (3). Prerequisite: At least two women's-studies core courses. Corequisite: Permission from the program director. This senior seminar examines how cultures structure and represent gender in a variety of arenas. Through critical reading of key contemporary works of feminist theory and intensive investigation of multidisciplinary case studies, students study the variety of representations of women's experience.

WST 4940r. Women's Studies Internship (3–6). (S/U grade only.) Prerequisite: Two core courses in Women's Studies. Corequisite: Permission from the program director. The internship offers practical experience working on women's issues or with women as a focus group in governmental and private agencies, women's organizations, or business. Internships may be arranged for junior and senior minors and majors in Women's Studies with the Women's Studies office. May be repeated to a maximum of six semester hours.

WST 4970r. Honors Thesis–Women's Studies (1–6). Prerequisite: WST 3251. The honors thesis in Women's Studies is a research document of an interdisciplinary nature, drawing on the various categories in humanities and the social sciences represented in the Women's Studies program. Permission of WST director required. May be repeated to a maximum of nine semester hours.

Graduate Courses

WST 5905r. Directed Independent Study (1–3). (S/U grade only.)

WST 5934r. Topics in Women's Studies (3).

WST 5936r. Interdisciplinary Topics in Feminist Theory (3).

WRITING:
see English

ZOOLOGY:
see Biological Science

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Tam, Christopher K. W., PhD, California Institute of Technology; Distinguished Research Professor, 1990–1991, Robert O. Lawton Distinguished Professor, 2000–2001, Professor of Mathematics and Mechanical Engineering

Eisenberg, Daniel, PhD, Brown; Distinguished Research Professor, 1991–1992, Professor of Modern Languages (Resigned)

Loper, David E., PhD, Case Western Reserve; Distinguished Research Professor, 1991–1992, George W. DeVore Professor of Geological Sciences, 1999, and Director, Geophysical Fluid Dynamics Institute (Retired)

Parker, Glenn R., PhD, California; Distinguished Research Professor, 1991–1992, Professor of Political Science

Benson, Bruce L., PhD, Texas A&M; Distinguished Research Professor, 1992–1993, Professor of Economics

Graziadei, Pasquale P., MD, Pavia, Italy; Distinguished Research Professor, 1992–1993, Professor of Biological Science (Retired)

Summers, Dewitt L., PhD, Cambridge; Distinguished Research Professor, 1992–1993, Robert O. Lawton Distinguished Professor, 1997–1998, and Professor of Mathematics (Retired)

Kemper, Kirby W., PhD, Indiana; Distinguished Research Professor, 1993–1994, John David Fox Professor of Physics, 2000, and Robert O. Lawton Distinguished Professor, 2002–2003 (Retired)

Nam, Charles B., PhD, North Carolina; Distinguished Research Professor, 1993–1994, Professor of Sociology (Retired)

Turner, Ralph V., PhD, Johns Hopkins; Distinguished Research Professor, 1993–1994, Service Professor of History (Retired)

Bryant, John L., PhD, Georgia; Distinguished Research Professor, 1994–1995, Professor of Mathematics (Retired)

Freeman, Marc E., PhD, West Virginia; Distinguished Research Professor, 1994–1995, Lloyd M. Beidler Professor of Biological Science, 2000 (Retired)

Owens, Joseph F. III, PhD, Tufts; Distinguished Research Professor, 1994–1995, Chair and Guenter Schwarz Professor of Physics, 2000

Hollander, Myles, PhD, Stanford; Distinguished Research Professor, 1995–1996, Robert O. Lawton Distinguished Professor, 1998–1999, and Professor of Statistics

James, Frances C., PhD, Arkansas; Distinguished Research Professor, 1995–1996, Pasquale Graziadei Professor of Biological Science, 1999 (Retired)

Stern, Melvin E., PhD, Massachusetts Institute of Technology; Distinguished Research Professor, 1995–1996, V. W. Ekman Professor of Oceanography, and National Academy of Sciences (Deceased)

Pfeffer, Richard, PhD, Massachusetts Institute of Technology; Distinguished Research Professor, 1996–1997, Carl-Gustaf Rossby Professor of Meteorology (Retired)

Torgesen, Joseph, PhD, Michigan; Distinguished Research Professor, 1996–1997, Robert M. Gagne Professor of Psychology and Education, 2000, and Professor of Psychology (Retired)

Van Sciver, Steven W., PhD, Washington; Distinguished Research Professor, 1996–1997, Professor of Mechanical Engineering

Hagopian, Vasken, PhD, Pennsylvania; Distinguished Research Professor, 1997–1998, Joseph E. Lannutti Professor of Physics, 1999 (Retired)

Myles, John F., PhD, Wisconsin; Distinguished Research Professor, 1997–1998, Professor of Sociology

Nicholson, Sharon E., PhD, Wisconsin; Distinguished Research Professor, 1997–1998, Heinz and Katharina Lettau Professor of Climatology, 2002, and Professor of Meteorology

Balkwill, David L., PhD, Pennsylvania State; Distinguished Research Professor, 1998–1999, Professor of Biological Science

Hirsh, Barry T., PhD, Virginia; Distinguished Research Professor, 1998–1999, Professor of Economics

Marshall, Alan George, PhD, Stanford; Distinguished Research Professor, 1998–1999, Kasha Professor of Chemistry, 1999

Gontarski, Stanley E., PhD, Ohio State; Distinguished Research Professor, 1999–2000, Sarah Herndon Professor of English, 1999

Holton, Robert A., PhD, Florida State; Distinguished Research Professor, 1999–2000, Matthew Suffness Professor of Chemistry, 2002

Clarke, Allan J., PhD, Cambridge; Distinguished Research Professor, 2000–2001, Adrian E. Gill Professor of Oceanography, 2001

Cross, Timothy A., PhD, Pennsylvania; Distinguished Research Professor, 2000–2001, Earl Frieden Professor of Chemistry and Biochemistry, 2002

Olsen, Dale A., PhD, California at Los Angeles; Distinguished Research Professor, 2000–2001, Professor of Music (Retired)

Fenstermaker, John J., PhD, Ohio State; Distinguished Research Professor, 2001–2002, Distinguished Teaching Professor, 2000–2001, Fred L. Standley Professor of English, 2002 (Retired)

Tabor, Samuel, PhD, Stanford; Distinguished Research Professor, 2001–2002, Professor of Physics

Taylor, Kenneth A., PhD, California at Berkeley; Distinguished Research Professor 2001–2002, Professor of Biological Science

Dalal, Nar S., PhD, British Columbia; Dirac Professor of Chemistry, 2001, Distinguished Research Professor, 2002–2003, and Chair of Chemistry

Nof, Doron, PhD, Wisconsin; Distinguished Research Professor, 2002–2003, and Fridtjof Nansen Professor of Oceanography, 2001

Tschinkel, Walter R., PhD, California at Berkeley; Distinguished Research Professor, 2002–2003, and Margaret Y. Menzel Professor of Biological Science, 1999

Berkley, Karen J., PhD, Washington; Distinguished Research Professor, 2003–2004, McKenzie Professor and Professor of Psychology (Retired)

Perrewe, Pamela L., PhD, Nebraska; Distinguished Research Professor, 2003–2004, and Professor of Management

Standley, Jayne M., PhD, Florida State; Distinguished Research Professor, 2003–2004, and Ella Scoble Opperman Professor of Music, 2000

Brooks, James S., PhD, Oregon; Distinguished Research Professor, 2004–2005, Grace C. and William G. Moulton Professor of Physics, 2002

Chandra, Namas, PhD, Texas A&M; Distinguished Research Professor, 2004–2005, Krishnamurty Karamcheti Professor of Engineering, 2000, and of Mechanical Engineering

Roux, Kenneth H., PhD, Tulane; Distinguished Research Professor, 2004–2005, Professor of Biological Science

Chanton, Jeffrey Paul, PhD, North Carolina at Chapel Hill; Distinguished Research Professor, 2005–2006, John Widmer Winchester Professor of Oceanography, 2002, and Professor of Oceanography and Geological Sciences

Kelsay, John E., PhD, Virginia; Distinguished Research Professor, 2005–2006, Richard L. Rubenstein Professor of Religion, 2000, and Chair of Religion

Von Molnar, Stephan, PhD, California at Riverside; Distinguished Research Professor, 2005–2006, Robert A. Kromhout Professor of Physics, 2001, and Director, Center for Materials Research and Technology

Wagner, Richard K., PhD, Yale; Distinguished Research Professor, 2005–2006, Alfred Binet Professor of Psychology, 1999

Joiner, Thomas E., Jr., PhD, Texas at Austin; Distinguished Research Professor, 2006–2007, Bright-Burton Professor of Psychology

Riley, Mark A., PhD, Liverpool; Distinguished Research Professor, 2006–2007, Raymond K. Sheline Professor of Physics, 2001

Sathe, Shridhar K., PhD, Utah State; Distinguished Research Professor, 2006–2007, Distinguished Teaching Professor, 2002–2003, D.K. Salunkhe Professor of Food Science, 2001, Professor of Nutrition, Food and Exercise Sciences

Winegardner, Mark, MFA; Distinguished Research Professor, 2006–2007, Janet M. Burroway Professor of English, 2001

de Grummond, Nancy T., PhD, North Carolina; Distinguished Research Professor, 2007–2008, M. Lynette Thompson Professor of Classics, 1999

Manoussakis, Efstratios, PhD, Illinois at Urbana-Champaign; Distinguished Research Professor, 2007–2008, Donald Robson Professor of Physics, 2003, Professor of Physics, and Scholar/Scientist, Computational Science and Information Technology

Schlenoff, Joseph, PhD, Massachusetts, Amherst; Distinguished Research Professor, 2007–2008, Leo Mandelkern Professor of Polymer Science, 2003, Professor of Chemistry and Biochemistry

Johnson, Suzanne B., PhD, State University of New York at Stony Brook; Distinguished Research Professor, 2008–2009, Professor and Chair of Medical Humanities and Social Sciences (Retired)

Prosper, Harrison B., PhD, Manchester, Britain; Distinguished Research Professor, 2008–2009, Kirby Kemper Professor of Physics

Turner, Robert J., PhD, Syracuse; Distinguished Research Professor, 2008–2009, Marie E. Cowart Professor of Epidemiology and Sociology

Burnett, William C., PhD, Hawaii; Distinguished Research Professor, 2009–2010, Carl Henry Oppenheimer Professor of Oceanography, 2002

Locke, Bruce R., PhD, North Carolina State; Distinguished Research Professor, 2009–2010, Professor of Engineering

Rikvold, Per Arne, PhD, Temple; Distinguished Research Professor, 2009–2010, James Gust Skofronick Professor of Physics, 2003, Professor of Physics and Scholar/Scientist, School of Computational and Information Technology

Wetherby, Amy, PhD, California at Santa Barbara; Distinguished Research Professor, 2009–2010, Laurel L. Schendel Professor of Communication Disorders, 2000

Lonigan, Chris, PhD, State University of New York at Stony Brook; Distinguished Research Professor, 2010–2011, Professor of Psychology

Wang, Ben, PhD, Pennsylvania State; Distinguished Research Professor, 2010–2011, Simon Ostrach Professor of Engineering

Yancey, Kathleen Blake, PhD, Purdue; Distinguished Research Professor, 2010–2011, Kellogg W. Hunt Professor of English

Zhou, Huan-Xiang, PhD, Drexel; Distinguished Research Professor, 2010–2011, Professor of Physics

Berg, Bernd, PhD, Free University of Berlin; Distinguished Research Professor, 2011–2012, Paul A. Dirac Professor of Physics

Chassignet, Eric, PhD, Miami; Distinguished Research Professor, 2011–2012, Director, Center for Ocean-Atmospheric Prediction Studies (COAPS), Professor of Physical Oceanography

Taylor, Gary, PhD, Cambridge; Distinguished Research Professor, 2011–2012; George Matthew Edgar Professor of English

Wang, Zuoxin, PhD, Massachusetts, Amherst; Distinguished Research Professor, 2011–2012; Professor of Psychology

Distinguished Teaching Professors

Clark, Ronald J., PhD, Kansas; Distinguished Teaching Professor, 1989–1990, Professor of Chemistry (Retired)

Hofer, Kurt G., PhD, Vienna; Distinguished Teaching Professor, 1989–1990, Robert O. Lawton Distinguished Professor, 1994–1995, Professor of Biological Science (Retired)

Horward, Donald D., PhD, Minnesota; Distinguished Teaching Professor, 1989–1990, Eminent Scholar and Professor of History (Retired)

Madsen, Clifford K., PhD, Florida State; Distinguished Teaching Professor, 1989–1990, Alumni Professor, 1985–1988, Robert O. Lawton Distinguished Professor, 1988–1989, Professor of Music (Retired)

Mellon, Edward K., PhD, Texas; Distinguished Teaching Professor, 1989–1990, Chair and Professor of Chemistry (Retired)

Jones, James P., PhD, Florida; Distinguished Teaching Professor, 1990–1991, Professor of History
Lhamon, W. T., Jr., PhD, Indiana; Distinguished Teaching Professor, 1990–1991, George M. Harper Professor of English, 2000 (Retired)
Rashotte, Michael E., PhD, Toronto; Distinguished Teaching Professor, 1990–1991, Professor of Psychology
Rogers, William W., PhD, North Carolina; Distinguished Teaching Professor, 1990–1991, Professor of History (Retired)
Sandon, Leo, PhD, Boston; Distinguished Teaching Professor, 1990–1991, Chair and Professor of Religion, and Director, Program in American Studies (Retired)
Burroway, Janet G., MA, Distinguished Teaching Professor, 1991–1992, Service Professor of English, Robert O. Lawton Distinguished Professor, 1995–1996, and McKenzie Professor, 1986 (Retired)
Levenson, David B., PhD, Harvard; Distinguished Teaching Professor, 1992–1993, Associate Professor of Religion
Smith, James C., PhD, Florida State; Distinguished Teaching Professor, 1993–1994, Professor of Psychology, Robert O. Lawton Distinguished Professor, 1992–1993 (Retired)
Leach, Stephen P., PhD, Florida State; Distinguished Teaching Professor, 1994–1995, Assistant Scholar/Scientist of Computer Science
Walker, Eric C., PhD, North Carolina at Chapel Hill; Distinguished Teaching Professor, 1995–1996, Professor of English
Darling, Carol A., PhD, Michigan State; Distinguished Teaching Professor, 1996–1997, Professor of Family and Child Sciences, and Margaret Rector Sandels Professor of Human Sciences, 1999
Goldsbey, Kenneth A., PhD, North Carolina; Distinguished Teaching Professor, 1997–1998, Associate Professor of Chemistry
Moore, Dennis D., PhD, North Carolina; Distinguished Teaching Professor, 1998–1999, Associate Professor of English
Reiser, Robert A., PhD, Arizona State; Distinguished Teaching Professor, 1999–2000, Professor of Educational Research
Fenstermaker, John J., PhD, Ohio State; Distinguished Teaching Professor, 2000–2001, Distinguished Research Professor, 2001–2002, Fred L. Standley Professor of English, 2002 (Retired)
Sathe, Shridhar, PhD, Utah State; Distinguished Teaching Professor, 2002–2003, D.K. Salunkhe Professor of Food Science, 2001, and Professor of Nutrition, Food and Exercise Sciences
Everage, Karen Burgess, MS, Florida State; Distinguished Teaching Professor, 2003–2004, and Associate In Mathematics
Ouimet, Charles C., PhD, Brown; Distinguished Teaching Professor, 2004–2005, Professor and Faculty Scholar in Neuroscience
Carroll, Pamela S., Ed.D., Auburn; Distinguished Teaching Professor, 2005–2006, Dwight L. Burton Professor of English Education, 2006, and Professor of Middle and Secondary Education
Kirby, David K., PhD, Johns Hopkins; Distinguished Teaching Professor, 2006–2007, Robert O. Lawton Distinguished Professor, 2003–2004, McKenzie Professor, 1989, Professor of English
Christiansen, William A., PhD, Utah; Distinguished Teaching Professor, 2007–2008, Chair and Associate Professor of Finance
Ziegler, Mark, MA; Distinguished Teaching Professor, 2008–2009, Associate In Communications
Coats, Pamela K., PhD, Nebraska-Lincoln; Distinguished Teaching Professor, 2009–2010, Robert C. Earnest Professor of Finance, 2002
Quandagno, Jill, PhD, Kansas; Distinguished Teaching Professor, 2010–2011, Mildred and Claude Pepper Eminent Scholar in Social Gerontology, 1987, and Professor of Sociology
Mcwey, Lenore M., PhD, Florida State; Distinguished Teaching Professor, 2011–2012, Associate Professor of Family and Child Sciences
Shaftel, Matthew R., PhD, Yale; Distinguished Teaching Professor, 2012–2013, Associate Professor of Music

McKenzie Professors

Berkley, Karen J., PhD, Washington; Distinguished Research Professor, 2003–2004, McKenzie Professor 1989, Professor of Psychology (Retired)
Burroway, Janet G., MA, McKenzie Professor 1987, Service Professor of English (Retired)
Dye, Thomas R., PhD, Pennsylvania; McKenzie Professor 1987, Service Professor of Political Science
Hintikka, Jaako, PhD, Helsinki, Finland; McKenzie Professor 1987, Professor of Philosophy (Retired)
Howard, Louis N., PhD, Princeton; McKenzie Professor 1987, Professor of Mathematics (Retired)
Hunter, Christopher, PhD, Cambridge; McKenzie Professor 1991, Chair and Professor of Mathematics (Retired)
Kirby, David K., PhD, Johns Hopkins; McKenzie Professor, 1989, Robert O. Lawton Distinguished Professor, 2003–2004, Professor of English,
Winstead, William O., MM, McKenzie Professor 1987, Professor of Music (Resigned)

Daisy Parker Flory Alumni Professors

Madsen, Clifford K., PhD, Florida State; Alumni Professor 1985–1988, Distinguished Professor 1988–1989, Distinguished Teaching Professor, 1989–1990, Professor of Music (Retired)
Martin, Patricia Y., PhD, Florida State; Alumni Professor 1989, Professor of Sociology (Retired)
Standley, Fred L., PhD, Northwestern; Alumni Professor 1985, Professor of English (Retired)

Eppes Professors

Baumeister, Roy F., PhD, Princeton; Eppes Professor, 2002, Professor of Psychology
Butler, Robert O., MA, Eppes Professor 2000, Professor of English
Farrell, Suzanne, Eppes Professor, 2000, Professor of Dance
Ferris, Gerald R., PhD, Illinois at Urbana-Champaign; Eppes Professor, 2000, Professor of Management and Psychology

Foorman, Barbara R., PhD, California at Berkeley; Eppes Professor, 2006, Professor of Education
Froelich, Phillip, PhD, Rhode Island; Eppes Professor, 2003, Professor of Oceanography (Retired)
Gunzburger, Max D., PhD, New York; Eppes Professor, 2002, Professor of Scientific Computing
Kroto, Harold W., PhD, University of Sheffield; Eppes Professor of Chemistry, 2004, and Nobel Laureate in Chemistry, 1996 (Retired)
LaPointe, Leonard L., PhD, Colorado at Boulder; Eppes Professor, 2000, Professor of Communication Disorders
Labalestier, David C., PhD, Imperial College London; Eppes Professor, 2006, Professor of Superconducting Materials
McClure, Charles R., PhD, Rutgers; Eppes Professor, 1999, Professor of Information Studies
Scholz, John T., PhD, California at Berkeley; Eppes Professor, 2001, Professor of Law
Swofford, David L., PhD, University of Illinois Central Campustown; Eppes Professor, 2001, Professor of Biology
Zwilich, Ellen T., MM, Eppes Professor 1999, Professor of Music

The President and the Provost's Named Professorship Program

Anderson, Thomas L., PhD, Georgia; Jessie Lovano-Kerr Professor of Art Education, 2003
Baer, Howard A., PhD, Wisconsin; J. Daniel Kimel Professor of Physics, 2002
Baumer, Eric, PhD, State University of New York at Albany, Allen E. Liska Professor of Criminology, 2008
Beckham, Joseph C., JD, PhD, Florida; Allan Tucker Professor of Educational Policy Studies and Leadership, 2000, Professor of Educational Leadership
Berg, Bernd A., PhD, Free University of Berlin; Paul A. Dirac Professor of Physics, 2005
Berry, Frances, PhD, Minnesota; Frank Sherwood Professor of Public Administration, 2004
Berry, William D., PhD, Minnesota; Marian D. Irish Professor of Political Science, 1999
Bickley, R. Bruce, Jr., PhD, Duke; Griffith T. Pugh Professor of English, 2002 (Retired)
Bishop, Wendy, PhD, Indiana of Pennsylvania; Kellogg W. Hunt Professor of English, 2000 (Deceased)
Blomberg, Thomas G., D.Crim., Berkeley; Sheldon L. Messinger Professor of Criminology, 2001
Boehrer, Bruce T., PhD, Pennsylvania; Bertram H. Davis Professor of English, 2001
Bowers, Philip L., PhD, Tennessee; Dwight B. Goodner Professor of Mathematics, 2002 and Associate Chair of Mathematics
Bridger, Carolyn A., D.M.A., Iowa; John Boder Professor of Music, 2002 (Retired)
Brooks, James S., PhD, Oregon; Grace C. and William G. Moulton Professor of Physics, 2002
Bryant, John L., PhD, Georgia; Orville G. Harrold Professor of Mathematics, 2000, Distinguished Research Professor, 1994–1995 (Retired)
Burnett, William C., PhD, Hawaii; Carl Henry Oppenheimer Professor of Oceanography, 2002
Carroll, Pamela S., EdD, Auburn; Dwight L. Burton Professor of English Education, 2005, Distinguished Teaching Professor, 2005–2006, and Professor of Middle and Secondary Education
Case, Betye Anne, PhD, Alabama; Olga Larson Professor Of Mathematics, 2003
Chandra, Namas, PhD, Texas A&M; Krishnamurty Karamcheti Professor of Engineering, 2000, and Professor of Mechanical Engineering
Chanton, Jeffrey P., PhD, North Carolina; John Widmer Winchester Professor of Oceanography, 2002, and Professor of Oceanography and Geological Sciences
Charness, Neil H., PhD, Carnegie Mellon; William G. Chase Professor of Psychology, 2005
Chiricos, Theodore G., PhD, Massachusetts, Amherst; William J. Wilson Professor of Criminology and Criminal Justice, 2005
Clarke, Allan J., PhD, Cambridge; Adrian E. Gill Professor of Oceanography, 2001, Distinguished Research Professor, 2000–2001
Cloonan, William J., PhD, North Carolina at Chapel Hill; Richard L. Chapple Professor of Modern Languages and Linguistics, 1999
Coats, Pamela K., PhD, Nebraska at Lincoln; Robert C. Earnest Professor of Finance, 2002
Collins, Emmanuel, PhD, Purdue; Associate Chair and John H. Seely Professor of Mechanical Engineering, 2003
Connerly, Charles E., PhD, Michigan; William G. and Budd Bell Professor of Urban and Regional Planning, 2002, and Chair of Urban and Regional Planning (Retired)
Contreras, Robert J., PhD, Michigan State; James C. Smith Professor of Psychology, 2002, and Director of Neuroscience
Corrigan, John A., PhD, Chicago; Edwin S. Gaustad Professor of Religion, 2000
Cottle, Paul, PhD, Yale; Steve Edwards Professor of Physics 2004
Cross, Timothy A., PhD, Pennsylvania; Earl Frieden Professor of Chemistry and Biochemistry, 2002, Distinguished Research Professor, 2000–2001
Crow, Jack E., PhD, Rochester; John and Geraldine P. Schuler Professor of Physics, 2003 (Deceased 9/3/04)
Dagotto, Elbio R., PhD, Instituto Balseiro; Edward A. Desloge Professor of Physics, 2001, and Scholar/Scientist, School of Computational Science and Information Technology
Dalal, Nar S., PhD, British Columbia; Dirac Professor of Chemistry, 2001, Distinguished Research Professor, 2002–2003, and Chair of Chemistry
Darling, Carol A., PhD, Michigan State; Margaret Rector Sandels Professor of Human Sciences, 1999, Distinguished Teaching Professor, 1996–1997, and Professor of Family and Child Sciences
Darrow, Alice-Ann, PhD, Florida State; Irvin Cooper Professor of Music, 2003
Davis, Lynda J., MFA, Nellie-Bond Dickinson Professor of Dance, 2003
de Grummond, Nancy T., PhD, North Carolina; M. Lynette Thompson Professor of Classics, 1999
Delp, Roy E., MM, Walter S. James Professor of Voice, 2001, Professor of Music (Retired)
Dewar, William K., PhD, Massachusetts Institute of Technology; Pierre Welander Professor of Oceanography, 2001, and Faculty Associate, School of Computational Science and Information Technology
Dorsey, John, PhD, Cincinnati; Katherine Blood Hoffman Professor of Chemistry, 2000

- Dresang, Eliza T.**, PhD, Wisconsin-Madison; Eliza Atkins Gleason Professor of Information Studies, 2003 (Retired)
- Driscoll, Marcy P.**, PhD, Massachusetts; Leslie J. Briggs Professor of Educational Research, 2002, and Chair of Educational Psychology and Learning Systems
- Eberstein, Isaac Warren**, PhD, Texas at Austin; Charles Meade Grigg Professor of Sociology, 2001, Chair of Sociology, and Research Associate, Center for the Study of Population
- Ellington, W. Ross**, PhD, Rhode Island; Michael J. Greenberg Professor of Biological Sciences, 2001, and Director, Institute of Molecular Biophysics
- Falk, Dean**, PhD, Michigan; Hale G. Smith Professor of Anthropology, 2003, Chair and Professor of Anthropology
- Feiock, Richard C.**, PhD, Kansas; Augustus B. Turnbull Professor of Public Administration, 2004
- Fenstermaker, John J.**, PhD, Ohio State; Fred L. Standley Professor of English, 2002, Distinguished Teaching Professor, 2000–2001, Distinguished Research Professor, 2001–2002 (Retired)
- Fernandez, Roberto G.**, PhD, Florida State; Dorothy Lois Breen Hoffman Professor of Modern Languages and Linguistics, 2001
- Fiorito, Jack T.**, PhD, Illinois; J. Frank Dame Professor of Management, 1999
- Fisk, Zachary**, PhD, California at San Diego; Paul A.M. Dirac Professor of Physics, 1999, National Academy of Sciences
- Fleming, Raymond R.**, PhD, Harvard; John Francis Dugan Professor of Modern Languages and Linguistics, 2005 (Retired)
- Freeman, Marc**, PhD, West Virginia; Lloyd M. Beidler Professor of Biological Science, 2000, Distinguished Research Professor, 1994–1995 (Retired)
- Fuelberg, Henry**, PhD, Texas A&M; David W. Stuart Professor of Meteorology 2004
- Gellately, Robert J.**, PhD, London; Earl Ray Beck Professor of History
- Geringer, John M.**, PhD, Florida State; Lewis V. Pankaskie Professor of Music, 2001, and Director, Center for Music Research
- Goff, Bryan**, MM; Robert T. Braunagel Professor of Music, 2004 (Retired)
- Goldsmith, Ronald E.**, PhD, Alabama; Richard M. Baker Professor of Marketing, 2001
- Goldstein, Howard**, PhD, Vanderbilt; Donald M. Baer Professor of Communication Sciences and Disorders, 2003, Professor of Communication Disorders
- Gontarski, Stanley E.**, PhD, Ohio State; Sarah Herndon Professor of English, 1999, Distinguished Research Professor, 1999–2000
- Hagopian, Vasken**, PhD, Pennsylvania; Joseph E. Lannutti Professor of Physics, 1999, Distinguished Research Professor, 1997–1998 (Retired)
- Hahn, Cynthia**, PhD, Johns Hopkins; Gulnar K. Bosch Professor of Art History, 2000
- Hardy, Melissa**, PhD, Indiana; Raymond F. Bellamy Professor of Sociology, 2000, and Program Director, Pepper Institute on Aging
- Hawkins, Hunt**, PhD, Stanford; James M. McCrimmon Professor of English, 2003, Professor and Chair of English (Resigned)
- Haymes, Emily M.**, PhD, Pennsylvania State; C. Etta Walters Professor of Exercise Science, 2000, and Professor of Nutrition, Food, and Exercise Sciences (Retired)
- Heald, Gary R.**, PhD, Michigan State; Theodore Clevenger, Jr. Professor of Communication, 2001, and Associate Dean of Communication
- Herrnkind, William F.**, PhD, Miami; Robert K. Godfrey Professor of Biological Science, 2000
- Hirsch, Adam J.**, PhD, JD, Yale; David M. Hoffman Professor of Law, 2002
- Holton, Robert A.**, PhD, Florida State; Matthew Suffness Professor of Chemistry, 2000, Distinguished Research Professor, 1999–2000
- James, Frances C.**, PhD, Arkansas; Pasquale Graziadei Professor of Biological Science, 1999, Distinguished Research Professor, 1995–1996 (Retired)
- Joiner, Thomas**, PhD, Texas at Austin; Bright-Burton Professor of Psychology, 2000
- Jumonville, Neil T.**, PhD, Harvard; William Warren Rogers Professor of History, 1999
- Kacmar, K. Michele**, PhD, Texas A&M; Charles A. Rovetta Professor of Management, 2000
- Kelsay, John**, PhD, Virginia; Richard L. Rubenstein Professor of Religion, 2000, and Chair of Religion
- Kemper, Kirby**, PhD, Indiana; John David Fox Professor of Physics, 2000, Distinguished Research Professor, 1993–1994, Robert O. Lawton Distinguished Professor, 2002–2003, and Chair of Physics
- Kiefer, Douglas W.**, Donald Brittain Professor of Cinematography, 2000, and Associate in Film, School of Motion Picture, Television, and Recording Arts
- Kowalsky, Frank**, D.M.A., Catholic; Joseph A. White Professor of Music, 2000
- Krafft, Marie E.**, PhD, Virginia Polytechnic Institute; Martin A. Schwartz Professor of Chemistry and Biochemistry, 2002
- Krishnamurti, Ruby E.**, PhD, California at Los Angeles; J. Stewart Turner Professor of Oceanography, 2003, Professor of Oceanography, and Research Associate, Geophysical Fluid Dynamics Institute (Retired)
- Kroto, Harold W.**, PhD, University of Sheffield; Francis Eppes Professor of Chemistry, 2004, and Nobel Laureate in Chemistry, 1996 (Retired)
- Lang, Alan R.**, PhD, Wisconsin; R. Robert Browning Professor of Psychology, 2001
- Lhamon, William T.**, PhD, Indiana; George M. Harper Professor of English, 2000, Distinguished Teaching Professor, 1990–1991 (Retired)
- Loper, David E.**, PhD, Case Western Reserve; George W. DeVore Professor of Geological Sciences, 1999, Distinguished Research Professor, 1991–1992, and Director, Geophysical Fluid Dynamics Institute (Retired)
- MacPherson, David A.**, PhD, Pennsylvania; Abba Lerner Professor of Economics, 1999
- Manoussakis, Efstratios**, PhD, Illinois at Urbana-Champaign; Donald Robson Professor of Physics, 2003, Professor of Physics, and Scholar/Scientist, Computational Science and Information Technology
- Marcus, Nancy H.**, PhD, Yale; Mary Sears Professor of Oceanography 2000, Robert O. Lawton Distinguished Professor, 2001–2002
- Marshall, Alan G.**, PhD, Stanford; Kasha Professor of Chemistry, 1999, Distinguished Research Professor, 1998–1999
- Mazza, Nicholas F.**, PhD, Florida State; Patricia V. Vance Professor of Social Work, 2005
- McElrath, Joseph R.**, PhD, South Carolina; William Hudson Rogers Professor of English, 1999 (Retired)
- McKeague, Ian**, PhD, North Carolina; Ralph A. Bradley Professor of Statistics, 2000
- McNeece, C. Aaron**, PhD, Michigan; Walter W. Hudson Professor of Social Work, 2000 (Retired)
- Meighan, Patrick**, MM; Alfred N. Tipton Professor of Music, 2004
- Moffatt, Robert J.**, PhD, Michigan; Georgia Alice Stamford Professor of Exercise Science, 2000, and Chair of Nutrition, Food, and Exercise Sciences
- Muscha, Colleen L.**, MFA, Don Stowell, Jr. Professor of Theatre, 2003
- Nicholson, Sharon E.**, PhD, Wisconsin; Heinz and Katharina Lettau Professor of Climatology, 2001, Distinguished Research Professor, 1997–1998, and Professor of Meteorology
- Nof, Doron**, PhD, Wisconsin; Fridtjof Nansen Professor of Oceanography, 2001, Distinguished Research Professor, 2002–2003
- Nowakowski, Richard**, PhD, Harvard; Randolph L. Rill Professor of Biomedical Sciences, 2009
- Ohlsson, Eric P.**, B.M.Ed., Ohio State; Charles O. DeLaney Professor of Music, 2003
- Ortiz-Taylor, Sheila**, PhD, California at Los Angeles; Francis G. Townsend Professor of English, 2000 (Retired)
- Outlaw, William H., Jr.**, PhD, Georgia; Peter H. Homann Professor of Biological Science, 2001 (Retired)
- Owens, Joseph**, PhD, Tufts; Guenter Schwarz Professor of Physics, 2000, Distinguished Research Professor, 1994–1995
- Peters, Michael**, PhD, Ohio State; Elvin J. Dantin Professor of Engineering, 2000, and Chair of Chemical Engineering
- Pfeffer, Richard L.**, PhD, Massachusetts Institute of Technology; Carl-Gustaf Rossby Professor of Meteorology, 1999, Distinguished Research Professor, 1996–1997 (Retired)
- Pietralunga, Mark F.**, California at Berkeley; Victor Oelschläger Professor of Modern Languages, 2000, and Chair of Modern Languages and Linguistics
- Pohl, Mary E.**, PhD, Harvard; Laura Jepsen Professor of Anthropology, 2003 (Retired)
- Porterfield, Amanda**, PhD, Stanford; Robery A. Spivey Professor of Religion, 2003, Visiting Professor of Religion, College of Arts and Sciences
- Portman, Richard R.**, Gordon Sawyer Professor of Recording Arts, 1999, and Assistant in Film, School of Motion Picture, Television, and Recording Arts
- Proser, Harrison B.**, PhD, Manchester, Britain; Kirby Kemper Professor of Physics, 2005, Distinguished Research Professor, 2009–2010
- Quine, John R.**, PhD, Michigan; Charles W. McArthur Professor of Mathematics, 2002
- Rasmussen, David**, PhD, Washington; James H. Gapiński Professor of Economics, 2000, Director, DeVoe L. Moore and Family Center for Critical Issues
- Reiser, Robert A.**, PhD, Arizona State; Robert M. Morgan Professor of Instructional Systems, 2003, Professor of Educational Research, Distinguished Teaching Professor, 1999–2000
- Reynolds, John**, PhD, Ohio State; Fraternal Order of Eagles Professor in the Pepper Institute of Aging, College of Social Sciences, 2010
- Rikvold, Per Arne**, PhD, Temple; James Gust Skofronick Professor of Physics, 2003, Professor of Physics and Scholar/Scientist, School of Computational and Information Technology
- Riley, Mark**, PhD, Liverpool; Raymond K. Sheline Professor of Physics, 2000
- Roberts, Thomas M.**, PhD, Notre Dame; Robert B. Short Professor of Biological Science, 2002, and Chair of Biological Science
- Roux, Kenneth H.**, PhD, Tulane; Kurt G. Hofer Professor of Biological Science, 2004, Distinguished Research Professor, 2004–2005, Professor of Biological Science
- Ruhl, John B.**, LL.M., George Washington; J.D., Virginia; Joseph Story Professor of Law, 2001
- Sathe, Shridhar**, PhD, Utah State; D.K. Salunkhe Professor of Food Science, 2001, Distinguished Teaching Professor, 2002–2003, and Professor of Nutrition, Food and Exercise Sciences
- Schlenoff, Joseph**, PhD, Massachusetts, Amherst; Leo Mandelkern Professor of Polymer Science, 2003, Professor of Chemistry and Biochemistry
- Schwartz, Justin**, PhD, Massachusetts Institute of Technology; Jack E. Crow Professor of Engineering, 2004
- Seaton, S. Douglass**, PhD, Columbia; Warren D. Allen Professor of Music, 2002
- Standley, Jayne**, PhD, Florida State; Ella Scoble Opperman Professor of Music, 2000, Distinguished Research Professor, 2003–2004
- Stephan, Friedrich**, PhD, California at Berkeley; Curt P. Richter Professor of Psychology and Neuroscience, 2000
- Stern, Melvin E.**, PhD, Massachusetts Institute of Technology; V.W. Ekman Professor of Oceanography, 1999, Distinguished Research Professor, 1995–1996, National Academy of Sciences (Deceased)
- Tabor, Samuel L.**, PhD, Stanford; Norman P. Heydenburg Professor of Physics, 2003, Distinguished Research Professor, 2001–2002; Professor of Physics
- Tatum, W. Jeffrey**, PhD, Texas; Olivia Nelson Dorman Professor of Classics, 2000, Chair of Classics
- Taylor, Kenneth A.**, PhD, California at Berkeley; Donald L. D. Caspar Professor of Biological Sciences, 2005, Distinguished Research Professor 2001–2002, Professor of Biological Science
- Tenenbaum, Gershon**, PhD, Chicago; Benjamin S. Bloom Professor of Education, 2004
- Thomas, Andre**, D.M.A., Illinois; Owen F. Sellers Professor of Music, 1999
- Torgesen, Joseph**, PhD, Michigan; 1996–1997, Robert M. Gagne Professor of Psychology and Education, 2000 Distinguished Research Professor (Retired)
- Tschinkel, Walter R.**, PhD, California at Berkeley; Margaret Y. Menzel Professor of Biological Science, 1999, Distinguished Research Professor, 2002–2003
- Turner, Robert J.**, PhD, Syracuse; Marie E. Cowart Professor of Epidemiology and Sociology, 2004, Professor of Sociology (Resigned)
- Van Sciver, Steven W.**, PhD, Washington; John H. Gorrie Professor of Mechanical Engineering, 2005, Distinguished Research Professor, 1996–1997, and Professor of Mechanical Engineering
- Von Molnar, Stephan**, PhD, California at Riverside; Robert A. Kromhout Professor of Physics, 2001, and Director, Center for Materials Research and Technology
- Wagner, Richard K.**, PhD, Yale; Alfred Binet Professor of Psychology, 1999
- Walters, Lori J.**, PhD, Princeton; Harry F. Williams Professor of French, 2005, Distinguished Research Professor 2001–2002, Professor of Modern Languages and Linguistics
- Wang, Hsu-Pin (Ben)**, PhD, Pennsylvania State; Simon Ostrach Professor of Engineering, 2000, and Chair of Industrial Engineering
- Wetherby, Amy**, PhD, California at Santa Barbara; Laurel L. Schendel Professor of Communication Disorders, 2000
- Whalley, David**, PhD, Virginia; E.P. Miles Professor of Computer Science, 2003
- Winegardner, Mark D.**, MFA, Janet G. Burroway Professor of English, 2001
- Wise, Sherwood W.**, PhD, Illinois; Lyman D. Toulmin Professor of Geological Sciences, 2001
- Yancey, Kathleen**, PhD, Purdue; Kellogg W. Hunt Professor of English, 2005

Young, Marilyn, PhD, Pittsburgh; Wayne C. Minnick Professor of Communication, 2000
Zollar, Jawole Willa Jo, MFA, Florida State; Nancy Smith Fichter Professor of Dance, 1999
Zou, Xiaolei, PhD, Institute of Atmospheric Physics; Jule Charney Professor of Meteorology, 2003
Zwaan, Rolf A., PhD Utrecht, Netherlands; F.C. Donders Professor of Psychology, 2006 (Resigned)

Robert O. Lawton Distinguished Professors

Beidler, Lloyd Mumbauer, PhD, Johns Hopkins; Distinguished Professor 1971–1972, Professor of Biological Science (Retired)
Bradley, Ralph Allan, PhD, North Carolina; Distinguished Professor 1970–1971, Professor and Head of Statistics (Deceased 10/30/01)
Burroway, Janet G., MA, Distinguished Professor 1995–1996, McKenzie Professor, Service Professor of English (Retired)
Choppin, Gregory R., PhD, Texas; Sc.D., Loyola; Distinguished Professor 1967–1968, Professor of Chemistry (Retired)
Dalal, Naresh S., PhD, British Columbia; Distinguished Professor 2012–2013, Distinguished Research Professor 2002–2003, Dirac Professor of Chemistry
Fallon, Richard Gordon, MA; Distinguished Professor 1975–1976, Professor and Dean Emeritus, School of Theatre (Retired)
Fichter, Nancy Smith, PhD, Texas Woman's University; Distinguished Professor 1991–1992, Chair and Professor of Dance (Retired)
Floyd, Carlisle, Jr., MM, Distinguished Professor 1964–1965, Professor of Music (Resigned)
Frieden, Earl, PhD, Southern California; Distinguished Professor 1969–1970, Professor of Chemistry (Retired)
Friedmann, E. Imre, PhD, Vienna; Distinguished Professor 1991–1992, Professor of Biological Science (Retired)
Gagne, Robert M., PhD, Brown; Distinguished Professor 1982–1983, Professor of Research, Development, and Foundations (Retired)
Gilmer, Robert, PhD, Louisiana State; Distinguished Professor 1981–1982, Professor of Mathematics (Retired)
Gontarski, Stanley E., PhD, Ohio State; Distinguished Professor 2008–2009, Sarah Herndon Professor of English 1999, Distinguished Research Professor 1999–2000
Greaves, Richard L., PhD, London; Distinguished Professor 1989–1990, Professor of History (Deceased)
Grunwald, Ernest Max, PhD, California; Distinguished Professor 1960–1961, Professor of Chemistry (Resigned)
Harper, George M., PhD, North Carolina; Distinguished Professor 1979–1980, Professor of English (Deceased)
Herz, Werner, PhD, Colorado; Distinguished Professor 1987–1988, Robert O. Lawton Professor of Chemistry (Retired)
Hess, Seymour L., PhD, Chicago; Distinguished Professor 1978–1979, Professor of Meteorology (Deceased)
Hofer, Kurt G., PhD, Vienna; Distinguished Professor 1994–1995, Distinguished Teaching Professor 1989–1990, Professor of Biological Science (Retired)
Hoffman, Dorothy Lois Breen, PhD, Illinois; Distinguished Professor 1963–1964, Professor of Modern Languages and Linguistics (Deceased)
Hollander, Myles, PhD, Stanford; Distinguished Professor, 1998–1999, Distinguished Research Professor, 1995–1996, Professor of Statistics
Housewright, Wiley Lee, EdD, New York; Distinguished Professor 1961–1962, Professor and Dean, School of Music (Retired)
Hunt, Kellogg Wesley, PhD, Iowa; Distinguished Professor 1972–1973, Professor of English (Deceased)
Irish, Marian Doris, PhD, Yale; Distinguished Professor 1958–1959, Professor and Chair of Political Science (Deceased)
Joiner, Thomas E., PhD, Texas at Austin; Distinguished Professor 2010–2011, Distinguished Research Professor 2006–2007, Bright-Burton Professor of Psychology
Kasha, Michael, PhD, California; Distinguished Professor 1962–1963, Professor of Chemistry and Director, Institute of Molecular Biophysics (Retired)
Kemper, Kirby W., PhD, Indiana; Distinguished Professor, 2002–2003, Chair and Professor of Physics, and John David Fox Professor of Physics, Distinguished Research Professor, 1993–1994 (Retired)
Kenshalo, Daniel Ralph, PhD, Washington; Distinguished Professor 1974–1975, Professor of Psychology (Retired)
Kirby, David K., PhD, Johns Hopkins; Distinguished Professor, 2003–2004, Professor of English, McKenzie Professor, 1989
Krishnamurti, Tiruvalam N., PhD, Chicago; Distinguished Professor 1985–1986, Professor of Meteorology (Retired)
Liddell, Anna Forbes, PhD, North Carolina; Distinguished Professor 1959–1960, Professor of Philosophy (Deceased)
Madsen, Clifford K., PhD, Florida State; Distinguished Professor 1988–1989, Alumni Professor 1985–1988, Distinguished Teaching Professor 1989–1990, Professor of Music (Retired)
Mandelkern, Leo, PhD, Cornell; Distinguished Professor 1984–1985, Professor of Chemistry (Retired)
Marcus, Nancy H., PhD, Yale; Distinguished Professor, 2001–2002, Mary Sears Professor of Oceanography, 2000, and Dean of Graduate Studies
Marshall, Alan George, PhD, Stanford; Distinguished Professor 2006–2007, Distinguished Research Professor, 1998–1999, Kasha Professor of Chemistry 2000
Nichols, Eugene D., PhD, Illinois; Distinguished Professor 1968–1969, Professor and Head of Mathematics Education (Retired)
Nikolaidi, Elena, Distinguished Professor 1976–1977, Professor of Music (Deceased)
O'Brien, James J., PhD, Texas A&M; Distinguished Professor, 1999–2000, Distinguished Research Professor, 1990–1991, Professor of Meteorology and Oceanography, and Russian Academy of Natural Science (Retired)
Proschan, Frank, PhD, Stanford; Distinguished Professor 1984–1985, Professor of Statistics (Retired)
Robson, Donald, PhD, Melbourne, Australia; Distinguished Professor 1990–1991, Professor of Physics, and Scientist/Scholar, School of Computational Science and Information Technology (Retired)

Rogers, William Hudson, PhD, Virginia; Distinguished Professor 1957–1958, Professor of English, (Deceased)
Rubenstein, Richard Lowell, PhD, Harvard; Distinguished Professor 1977–1978, Professor of Religion (Retired)
Savage, I. Richard, PhD, Columbia; Distinguished Professor 1973–1974, Professor of Statistics (Resigned)
Sethuraman, Jayaram, PhD, Indian Statistical Institute; Distinguished Professor 1993–1994, Professor of Statistics
Sheline, Raymond K., PhD, California at Berkeley; Distinguished Professor 1966–1967, Professor of Chemistry and Physics, and Royal Danish Academy of Science and Letters (Retired)
Simberloff, Daniel, PhD, Harvard; Distinguished Professor 1986–1987, Professor of Biological Science (Resigned)
Smith, James C., PhD, Florida State; Distinguished Professor 1992–1993, Distinguished Teaching Professor 1993–1994, Professor of Psychology (Retired)
Standley, Jayne M., PhD, Florida State; Distinguished Professor, 2005–2006, Distinguished Research Professor, 2003–2004, and Ella Scoble Opperman Professor of Music, 2000
Summers, Dewitt L., PhD, Cambridge; Distinguished Professor 1997–1998, Distinguished Research Professor, 1992–1993, and Professor of Mathematics (Retired)
Tam, Christopher K. W., PhD, California Institute of Technology; Distinguished Professor, 2000–2001, Professor of Mathematics and Mechanical Engineering, and Research Associate, Geophysical Fluid Dynamics Institute, Distinguished Research Professor, 1990–1991
Taylor, J. Herbert, PhD, Virginia; Distinguished Professor 1983–1984, Professor of Biological Sciences, and Program Director, Institute of Molecular Biophysics (Deceased)
Travis, Joseph, PhD, Duke; Distinguished Professor 1996–1997; Professor of Biological Science
Tschinkel, Walter R., PhD, California at Berkeley; Distinguished Professor 2007–2008, Distinguished Research Professor 2002–2003 and Margaret Y. Menzel Professor of Biological Science 1999
Wagner, Richard K., PhD, Yale; Distinguished Professor 2009–2010, Alfred Binet Professor of Psychology 1999
Walborsky, Harry M., PhD, Ohio State; Distinguished Professor 1980–1981, Professor of Chemistry (Deceased)
Watts, Betty Monaghan, PhD, Washington, St. Louis; Distinguished Professor 1965–1966, Professor of Food and Nutrition (Retired)
Zollar, Jawole Willa Jo, MFA, Florida State; Distinguished Professor 2011–2012, Professor of Dance
Dalal, Nar S., PhD, British Columbia; Distinguished Professor 2012–2013, Dirac Professor of Chemistry, 2001, Distinguished Research Professor, 2002–2003, and Chair of Chemistry
Sathe, Shridhar, PhD, Utah State; Distinguished Professor 2013–2014, D.K. Salunkhe Professor of Food Science, 2001, Distinguished Teaching Professor, 2002–2003, and Professor of Nutrition, Food and Exercise Sciences

National Academy Of Sciences, Florida State University Members

Beidler, Lloyd, PhD, Johns Hopkins; Distinguished Professor 1971–1972, Professor of Biological Science (Deceased)
Caspar, Donald L., PhD, Yale; Professor of Biological Science (Retired)
Fisk, Zachary, PhD, California at San Diego, Paul A.M. Dirac Professor of Physics, 1999 (Resigned)
Gor'Kov, Lev P., Dr.Sc., Ioffe Physical Technical Institute; Leningrad; Professor of Physics, and Program Director, National High Magnetic Field Laboratory
Howard, Louis, PhD, Princeton; McKenzie Professor 1986, Professor of Mathematics (Resigned)
Kasha, Michael, PhD, California at Berkeley; Distinguished Professor 1962–1963, Professor of Chemistry/Institute of Molecular Biophysics (Retired)
Schrieffer, John R., PhD, Illinois; Nobel Laureate in Physics, 1972; Professor of Physics, National High Magnetic Field Laboratory (Retired)
Stern, Melvin E., PhD, Massachusetts Institute of Technology; Distinguished Research Professor, 1995–1996, V.W. Ekman Professor of Oceanography, 1999 (Retired)
Taylor, J. Herbert, PhD, Robert O. Lawton Distinguished Professor 1983–1984, Service Professor of Biological Science (Deceased)
Kroto, Harold W. PhD, University of Sheffield; Francis Eppes Professor of Chemistry, Nobel Laureate in Chemistry, 1996 (Retired)

National Academy Of Engineering, Florida State University Members

Larbalestier, David C., PhD, Imperial College London; Francis Eppes Professor of Superconducting Materials
Ostrach, Simon, PhD, Brown; Distinguished Professor of Engineering (Resigned)

Institute Of Medicine, Florida State University Members

Quandagno, Jill, PhD, Kansas; Distinguished Teaching Professor, 2010–2011, Mildred and Claude Pepper Eminent Scholar in Social Gerontology, 1987, and Professor of Sociology

Foreign Academies, Florida State University Members

Boyd, Monica, PhD, Duke; Mildred and Claude Pepper Distinguished Professor of Sociology, and Royal Society of Canada
O'Brien, James J., PhD, Texas A&M; Professor of Meteorology and Oceanography, Robert O. Lawton Distinguished Professor, 1999–2000, Distinguished Research Professor, 1990–1991, and Russian Academy of Natural Science
Rikvold, Per Arne, PhD, Temple; James Gust Skofronick Professor of Physics, 2003, Professor of Physics and Scholar/Scientist, School of Computational and Information Technology, and Norwegian Academy of Science and Letters, 2004

Sheline, Raymond K., PhD, California at Berkeley; Service Professor of Chemistry and Physics, Robert O. Lawton Distinguished Professor 1966–1967, and Royal Danish Academy of Science and Letters (Retired)

Nobel Laureates

Bloch, Konrad E., PhD, Columbia, Eminent Scholar in Human Sciences, Nobel Laureate in Medicine, 1964

Buchanan, James, PhD, Chicago, Professor of Economics, Nobel Laureate in Economic Science, 1986

Dirac, Paul A.M., PhD, St. Johns College, Cambridge, Professor of Physics, Nobel Laureate in Physics, 1933

Kroto, Harold W., PhD, University of Sheffield; Francis Eppes Professor of Chemistry, Nobel Laureate in Chemistry, 1996

Mulliken, Robert S., PhD, Chicago, Professor of Chemistry, Nobel Laureate in Chemistry, 1966

Schrieffer, J. Robert, PhD, Illinois, Professor of Physics, Nobel Laureate in Physics, 1972

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